

University of Georgia

WEED CONTROL IN FIELD CORN WITH ZIDUA

Trial ID: CN-15-13 Study Dir.: SANDY NEWELL
 Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 3 Plots: 6 by 25 feet
 Spray vol: 15 gal/ac Mix size: 1.5 liters (min .58658)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Appl Code	Amt Product to Measure	Rep 1	2	3
1	NTC								101	208	304
2	ZIDUA	85 WG		2.0 oz/a	PRE	A		1.498 g/mx	102	207	308
	ROUNDUP W-MAX	5.5 SL		22.0 oz/a	POST	B		17.19 ml/mx			
	AATREX	4 L		2.0 qt/a	POST	B		49.99 ml/mx			
3	ZIDUA	85 WG		2.0 oz/a	PRE	A		1.498 g/mx	103	205	306
	LIBERTY	2.34 SL		29.0 oz/a	POST	B		22.65 ml/mx			
	AATREX	4 L		2.0 qt/a	POST	B		49.99 ml/mx			
4	AATREX	4 L		1.0 qt/a	PRE	A		25.0 ml/mx	104	210	301
	ROUNDUP W-MAX	5.5 SL		22.0 oz/a	POST	B		17.19 ml/mx			
	AATREX	4 L		1.5 qt/a	POST	B		37.5 ml/mx			
	ZIDUA	85 WG		2.0 oz/a	POST	B		1.498 g/mx			
5	AATREX	4 L		1.0 qt/a	PRE	A		25.0 ml/mx	105	204	310
	LIBERTY	2.34 SL		29.0 oz/a	POST	B		22.65 ml/mx			
	AATREX	4 L		1.5 qt/a	POST	B		37.5 ml/mx			
	ZIDUA	85 WG		2.0 oz/a	POST	B		1.498 g/mx			
6	AATREX	4 L		1.0 qt/a	PRE	A		25.0 ml/mx	106	209	302
	ROUNDUP W-MAX	5.5 SL		22.0 oz/a	POST	B		17.19 ml/mx			
	AATREX	4 L		1.5 qt/a	POST	B		37.5 ml/mx			
7	AATREX	4 L		1.0 qt/a	PRE	A		25.0 ml/mx	107	202	305
	LIBERTY	2.34 SL		29.0 oz/a	POST	B		22.65 ml/mx			
	AATREX	4 L		1.5 qt/a	POST	B		37.5 ml/mx			
8	AATREX	4 L		1.0 qt/a	PRE	A		25.0 ml/mx	108	203	307
	ROUNDUP W-MAX	5.5 SL		22.0 oz/a	POST	B		17.19 ml/mx			
	AATREX	4 L		1.5 qt/a	POST	B		37.5 ml/mx			
	PROWL H20	3.8 SC		2.0 pt/a	POST	B		25.0 ml/mx			
9	AATREX	4 L		1.0 qt/a	PRE	A		25.0 ml/mx	109	201	309
	LIBERTY	2.34 SL		29.0 oz/a	POST	B		22.65 ml/mx			
	AATREX	4 L		1.5 qt/a	POST	B		37.5 ml/mx			
	PROWL H20	3.8 SC		2.0 pt/a	POST	B		25.0 ml/mx			
10	ZIDUA	85 WG		2.0 oz/a	PRE	A		1.498 g/mx	110	206	303
	ROUNDUP W-MAX	5.5 SL		22.0 oz/a	POST	B		17.19 ml/mx			
	STATUS	56 WG		5.0 oz/a	POST	B		3.745 g/mx			

Sort Order: Treatment

Trial Comments

HARVEST DATE: SEPTEMBER 3
 HARVEST MOISTURE: 18.25%
 YIELDS ADJUSTED TO 15.5%

SUMMARY:

- 1) PRE APPLICATIONS OF ZIDUA @ 2 OZ/A CAUSED SIGNIFICANT CORN STUNTING.
- 2) PRE APPLICATIONS OF ZIDUA @ 2 OZ/A PROVIDED EXCELLENT RESIDUAL CONTROL OF PALMER AMARANTH, HENBIT, AND CORN SPURRY.
- 3) ON MAY 28 (69 DAP), ALL PRE + POST TREATMENTS THAT INCLUDED RESIDUALS PROVIDED EXCELLENT CONTROL (99%) OF PALMER AMARANTH EXCEPT ZIDUA (PRE) FB ROUNDUP + STATUS (POST) = ONLY 68% CONTROL OF PALMER AMARANTH.
- 4) THE ONLY TREATMENT THAT RESULTED IN GREATER YIELDS THAN THE NTC WAS AATREX (PRE) FB LIBERTY + AATREX (POST).
- 5) ZIDUA (PRE) FB ROUNDUP + AATREX (POST) TREATED PLOTS HAD LOWER YIELDS THAN ANY OTHER TREATMENT EXCEPT THE NTC.

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WEED CONTROL IN FIELD CORN WITH ZIDUA

Trial ID: CN-15-13 Study Dir.: SANDY NEWELL
 Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: SANDY NEWELL **Title:** _____
Affiliation: _____ **Postal Code:** _____

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

Trial Status: _____ **Initiation Date:** _____ **Country:** _____
City: _____ **State/Prov.:** _____ **Postal Code:** _____
Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N

Objective: _____

Conclusions: _____

CROP AND PEST DESCRIPTION

Weed 1: AMAPA PALMER AMARANTH **2.** LAMAM HENBIT
Weed 3: RAPRA WILD RADISH **4.** SPRAR CORN SPURRY

Crop 1: ZEAMA FIELD CORN **Variety:** PIONEER 2023BVT **Planting Date:** Mar-20-13
Planting Method: MONOSEM **Rate:** 28471 S/A **Depth:** 2 IN
Perennial Age: _____ **Row Spacing:** 36 IN **Seed Bed:** _____
Soil Temperature: _____ **Soil Moisture:** OPTIMUM **Emergence Date:** _____

Plot Width, Unit: 6 FT **Plot Length, Unit:** 25 FT **Reps:** 3
Site Type: _____
Tillage Type: CONVENTIONAL **Study Design:** RACOB
Trial Initiation Comments: _____

Previous: Crops **Pesticides** **Year**
 1. PEANUT 2012 _____

MAINTENANCE

Field Prep./Maintenance: _____

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

SOIL DESCRIPTION

Texture: SAND **% OM:** 0.72 **% Sand:** 94 **% Silt:** 4 **% Clay:** 2
pH: 5.7 **CEC:** 3.5 **Soil Name:** TIFTON **Fertility Level:** GOOD

MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. Mar-22-13	_____	0.02	IN	RAINFALL	_____	_____
2. Mar-23-13	_____	0.51	IN	RAINFALL	_____	_____
3. Mar-24-13	_____	0.77	IN	RAINFALL	_____	_____
4. Mar-29-13	_____	0.10	IN	IRRIGATION	_____	_____
5. Mar-31-13	_____	0.14	IN	RAINFALL	_____	_____
6. Apr-3-13	_____	0.55	IN	RAINFALL	_____	_____
7. Apr-10-13	_____	0.50	IN	RAINFALL	_____	_____
8. _____	_____	_____	_____	_____	_____	_____

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

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	Mar-20-13	Apr-23-13	_____	_____	_____	_____
Time of Day:	7:00 PM	7:30 AM	_____	_____	_____	_____
Application Method:	BROADCAST	BROADCAST	_____	_____	_____	_____
Application Timing:	PRE	POST	_____	_____	_____	_____
Applic. Placement:	SOIL	FOLIAGE	_____	_____	_____	_____
Air Temp., Unit:	63 F	56 F	_____	_____	_____	_____
% Relative Humidity:	35	81	_____	_____	_____	_____
Wind Velocity, Unit:	5 MPH	3 MPH	_____	_____	_____	_____
Dew Presence (Y/N):	N	Y	_____	_____	_____	_____
Water Hardness:	---	---	_____	_____	_____	_____
Soil Temp., Unit:	65 F	61 F	_____	_____	_____	_____
Soil Moisture:	OPTIMUM	OPTIMUM	_____	_____	_____	_____
% Cloud Cover:	50	5	_____	_____	_____	_____

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CROP STAGE AT EACH APPLICATION									
		A	B	C	D	E	F		
Crop 1	Stage: ZEAMA	_____	7 LEAF	_____	_____	_____	_____		
	Stage Scale:	_____	V6	_____	_____	_____	_____		
	Height, Unit:	_____	8 IN	_____	_____	_____	_____		

WEED STAGE AT EACH APPLICATION									
		A	B	C	D	E	F		
Weed 1	Stage: AMAPA	_____	_____	_____	_____	_____	_____		
	Stage Scale:	_____	_____	_____	_____	_____	_____		
	Density, Unit:	_____	_____	_____	_____	_____	_____		
Weed 2	Stage: LAMAM	_____	_____	_____	_____	_____	_____		
	Stage Scale:	_____	_____	_____	_____	_____	_____		
	Density, Unit:	_____	_____	_____	_____	_____	_____		
Weed 3	Stage: RAPRA	_____	_____	_____	_____	_____	_____		
	Stage Scale:	_____	_____	_____	_____	_____	_____		
	Density, Unit:	_____	_____	_____	_____	_____	_____		
Weed 4	Stage: SPRAR	_____	_____	_____	_____	_____	_____		
	Stage Scale:	_____	_____	_____	_____	_____	_____		
	Density, Unit:	_____	_____	_____	_____	_____	_____		

APPLICATION EQUIPMENT									
		A	B	C	D	E	F		
Appl. Equipment:	BACKPACK	BACKPACK	_____	_____	_____	_____	_____		
Operating Pressure:	40	40	_____	_____	_____	_____	_____		
Nozzle Type:	AIXR	FLAT FAN	_____	_____	_____	_____	_____		
Nozzle Size:	11002	11002DG	_____	_____	_____	_____	_____		
Nozzle Spacing, Unit:	20	IN 20 IN	_____	_____	_____	_____	_____		
Nozzles/Row:	_____	_____	_____	_____	_____	_____	_____		
Band Width, Unit:	_____	_____	_____	_____	_____	_____	_____		
Boom Length, Unit:	60	IN 60 IN	_____	_____	_____	_____	_____		
Boom Height, Unit:	20	IN 20 IN	_____	_____	_____	_____	_____		
Ground Speed, Unit:	3.5	MPH 3.5 MPH	_____	_____	_____	_____	_____		
Incorporation Equip.:	_____	_____	_____	_____	_____	_____	_____		
Hours to Incorp.:	_____	_____	_____	_____	_____	_____	_____		
Incorp. Depth, Unit:	_____	_____	_____	_____	_____	_____	_____		
Carrier:	WATER	WATER	_____	_____	_____	_____	_____		
Spray Volume, Unit:	15	GPA 15 GPA	_____	_____	_____	_____	_____		
Spray pH:	_____	_____	_____	_____	_____	_____	_____		
Propellant:	CO2	CO2	_____	_____	_____	_____	_____		
Tank Mix (Y/N):	-	-	_____	_____	_____	_____	_____		

Trt No	Treatment Application Comment
_____	_____

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WEED CONTROL IN FIELD CORN WITH ZIDUA														
Trial ID: CN-15-13		Study Dir.: SANDY NEWELL												
Location: PONDER FARM		Investigator: Eric P. Prostko												
Weed Code							----- ZEAMA PLANT - STAND #/3FT Apr-8-13	----- ZEAMA PLANT - STUNTING PERCENT Apr-8-13	RAPRA ----- CONTROL PERCENT Apr-8-13	LAMAM ----- CONTROL PERCENT Apr-8-13	AMAPA ----- CONTROL PERCENT Apr-8-13	SPRAR ----- CONTROL PERCENT Apr-8-13	----- ZEAMA PLANT - STUNTING PERCENT Apr-18-13	
Crop Code														
Part Rated														
Rating Data Type														
Rating Unit														
Rating Date														
PRM Data Type														
# Subsamples, Dec.														
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	1	2	3	4	5	6	7
1	NTC							6.7 a	0.0 a	0.0 b	0.0 b	0.0 b	0.0 b	0.0 c
2	ZIDUA	85 WG		2.0 oz/a	PRE	A		5.7 a	0.0 a	94.3 a	99.0 a	99.0 a	99.0 a	10.0 a
	ROUNDUP W-MAX	5.5 SL		22.0 oz/a	POST	B								
	AATREX	4 L		2.0 qt/a	POST	B								
3	ZIDUA	85 WG		2.0 oz/a	PRE	A		6.7 a	0.0 a	96.0 a	99.0 a	99.0 a	99.0 a	1.7 bc
	LIBERTY	2.34 SL		29.0 oz/a	POST	B								
	AATREX	4 L		2.0 qt/a	POST	B								
4	AATREX	4 L		1.0 qt/a	PRE	A		6.3 a	0.0 a	91.0 a	99.0 a	99.0 a	99.0 a	1.7 bc
	ROUNDUP W-MAX	5.5 SL		22.0 oz/a	POST	B								
	AATREX	4 L		1.5 qt/a	POST	B								
	ZIDUA	85 WG		2.0 oz/a	POST	B								
5	AATREX	4 L		1.0 qt/a	PRE	A		7.0 a	0.0 a	93.0 a	99.0 a	99.0 a	99.0 a	0.0 c
	LIBERTY	2.34 SL		29.0 oz/a	POST	B								
	AATREX	4 L		1.5 qt/a	POST	B								
	ZIDUA	85 WG		2.0 oz/a	POST	B								
6	AATREX	4 L		1.0 qt/a	PRE	A		6.0 a	0.0 a	91.0 a	99.0 a	99.0 a	99.0 a	3.3 bc
	ROUNDUP W-MAX	5.5 SL		22.0 oz/a	POST	B								
	AATREX	4 L		1.5 qt/a	POST	B								
7	AATREX	4 L		1.0 qt/a	PRE	A		6.7 a	0.0 a	94.3 a	99.0 a	99.0 a	99.0 a	0.0 c
	LIBERTY	2.34 SL		29.0 oz/a	POST	B								
	AATREX	4 L		1.5 qt/a	POST	B								
8	AATREX	4 L		1.0 qt/a	PRE	A		6.7 a	0.0 a	97.7 a	99.0 a	99.0 a	99.0 a	0.0 c
	ROUNDUP W-MAX	5.5 SL		22.0 oz/a	POST	B								
	AATREX	4 L		1.5 qt/a	POST	B								
	PROWL H20	3.8 SC		2.0 pt/a	POST	B								
9	AATREX	4 L		1.0 qt/a	PRE	A		6.7 a	0.0 a	91.0 a	99.0 a	99.0 a	99.0 a	0.0 c
	LIBERTY	2.34 SL		29.0 oz/a	POST	B								
	AATREX	4 L		1.5 qt/a	POST	B								
	PROWL H20	3.8 SC		2.0 pt/a	POST	B								
10	ZIDUA	85 WG		2.0 oz/a	PRE	A		7.0 a	0.0 a	93.0 a	99.0 a	99.0 a	99.0 a	6.7 ab
	ROUNDUP W-MAX	5.5 SL		22.0 oz/a	POST	B								
	STATUS	56 WG		5.0 oz/a	POST	B								
LSD (P=.10)								0.91	0.00	6.93	0.00	0.00	0.00	4.84
Standard Deviation								0.64	0.00	4.90	0.00	0.00	0.00	3.42
CV								9.81	0.0	5.82	0.0	0.0	0.0	146.39
Grand Mean								6.53	0.0	84.13	89.1	89.1	89.1	2.33
Bartlett's X2								4.421	0.0	6.713	0.0	0.0	0.0	1.678
P(Bartlett's X2)								0.73	.	0.568	.	.	.	0.795
Replicate F								3.973	0.000	26.163	0.000	0.000	0.000	0.286
Replicate Prob(F)								0.0372	1.0000	0.0001	1.0000	1.0000	1.0000	0.7548
Treatment F								1.297	0.000	109.968	0.000	0.000	0.000	3.048
Treatment Prob(F)								0.3040	1.0000	0.0001	1.0000	1.0000	1.0000	0.0211

Means followed by same letter do not significantly differ (P=.10, Duncan's New MRT)

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

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Weed Code							AMAPA	LAMAM	SPRAR	-----	AMAPA	RAPRA
Crop Code							-----	-----	-----	-----	-----	-----
Part Rated										ZEAMA		
Rating Data Type							CONTROL	CONTROL	CONTROL	STUNTING	CONTROL	CONTROL
Rating Unit							PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date							Apr-18-13	Apr-18-13	Apr-18-13	May-7-13	May-7-13	May-7-13
PRM Data Type												
# Subsamples, Dec.												
Trt Treatment	Form Form	Rate Grow	Appl									
No. Name	Conc Type	Rate Unit	Stg	Code			8	9	10	11	12	13
1 NTC							0.0 b	0.0 b	0.0 b	0.0 c	0.0 b	0.0 b
2 ZIDUA	85 WG	2.0 oz/a	PRE	A			99.0 a	99.0 a	99.0 a	26.7 a	99.0 a	99.0 a
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST	B								
AATREX	4 L	2.0 qt/a	POST	B								
3 ZIDUA	85 WG	2.0 oz/a	PRE	A			99.0 a	99.0 a	99.0 a	18.3 b	99.0 a	99.0 a
LIBERTY	2.34 SL	29.0 oz/a	POST	B								
AATREX	4 L	2.0 qt/a	POST	B								
4 AATREX	4 L	1.0 qt/a	PRE	A			99.0 a	99.0 a	99.0 a	0.0 c	99.0 a	99.0 a
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST	B								
AATREX	4 L	1.5 qt/a	POST	B								
ZIDUA	85 WG	2.0 oz/a	POST	B								
5 AATREX	4 L	1.0 qt/a	PRE	A			99.0 a	99.0 a	99.0 a	5.0 c	99.0 a	99.0 a
LIBERTY	2.34 SL	29.0 oz/a	POST	B								
AATREX	4 L	1.5 qt/a	POST	B								
ZIDUA	85 WG	2.0 oz/a	POST	B								
6 AATREX	4 L	1.0 qt/a	PRE	A			99.0 a	99.0 a	99.0 a	0.0 c	99.0 a	99.0 a
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST	B								
AATREX	4 L	1.5 qt/a	POST	B								
7 AATREX	4 L	1.0 qt/a	PRE	A			99.0 a	99.0 a	99.0 a	5.0 c	99.0 a	99.0 a
LIBERTY	2.34 SL	29.0 oz/a	POST	B								
AATREX	4 L	1.5 qt/a	POST	B								
8 AATREX	4 L	1.0 qt/a	PRE	A			99.0 a	99.0 a	99.0 a	0.0 c	99.0 a	99.0 a
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST	B								
AATREX	4 L	1.5 qt/a	POST	B								
PROWL H20	3.8 SC	2.0 pt/a	POST	B								
9 AATREX	4 L	1.0 qt/a	PRE	A			99.0 a	99.0 a	99.0 a	1.7 c	99.0 a	99.0 a
LIBERTY	2.34 SL	29.0 oz/a	POST	B								
AATREX	4 L	1.5 qt/a	POST	B								
PROWL H20	3.8 SC	2.0 pt/a	POST	B								
10 ZIDUA	85 WG	2.0 oz/a	PRE	A			99.0 a	99.0 a	99.0 a	16.7 b	99.0 a	99.0 a
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST	B								
STATUS	56 WG	5.0 oz/a	POST	B								
LSD (P=.10)							0.00	0.00	0.00	5.88	0.00	0.00
Standard Deviation							0.00	0.00	0.00	4.15	0.00	0.00
CV							0.0	0.0	0.0	56.59	0.0	0.0
Grand Mean							89.1	89.1	89.1	7.33	89.1	89.1
Bartlett's X2							0.0	0.0	0.0	4.072	0.0	0.0
P(Bartlett's X2)							.	.	.	0.539	.	.
Replicate F							0.000	0.000	0.000	0.194	0.000	0.000
Replicate Prob(F)							1.0000	1.0000	1.0000	0.8257	1.0000	1.0000
Treatment F							0.000	0.000	0.000	16.258	0.000	0.000
Treatment Prob(F)							1.0000	1.0000	1.0000	0.0001	1.0000	1.0000

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Weed Code	-----	AMAPA	-----	-----
Crop Code	ZEAMA		ZEAMA	ZEAMA
Part Rated	PLANT -			
Rating Data Type	STUNTING	CONTROL	YIELD	YIELD
Rating Unit	PERCENT	PERCENT	LBS/PLOT	BU/A
Rating Date	May-28-13	May-28-13	Sep-3-13	Sep-3-13
PRM Data Type				TY1
# Subsamples, Dec.				- 0
Trt Treatment				
No. Name	Form Form	Rate Grow	Appl	
	Conc Type	Rate Unit	Stg	Code
1 NTC				
2 ZIDUA	85 WG	2.0 oz/a	PRE A	
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST B	
AATREX	4 L	2.0 qt/a	POST B	
3 ZIDUA	85 WG	2.0 oz/a	PRE A	
LIBERTY	2.34 SL	29.0 oz/a	POST B	
AATREX	4 L	2.0 qt/a	POST B	
4 AATREX	4 L	1.0 qt/a	PRE A	
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST B	
AATREX	4 L	1.5 qt/a	POST B	
ZIDUA	85 WG	2.0 oz/a	POST B	
5 AATREX	4 L	1.0 qt/a	PRE A	
LIBERTY	2.34 SL	29.0 oz/a	POST B	
AATREX	4 L	1.5 qt/a	POST B	
ZIDUA	85 WG	2.0 oz/a	POST B	
6 AATREX	4 L	1.0 qt/a	PRE A	
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST B	
AATREX	4 L	1.5 qt/a	POST B	
7 AATREX	4 L	1.0 qt/a	PRE A	
LIBERTY	2.34 SL	29.0 oz/a	POST B	
AATREX	4 L	1.5 qt/a	POST B	
8 AATREX	4 L	1.0 qt/a	PRE A	
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST B	
AATREX	4 L	1.5 qt/a	POST B	
PROWL H20	3.8 SC	2.0 pt/a	POST B	
9 AATREX	4 L	1.0 qt/a	PRE A	
LIBERTY	2.34 SL	29.0 oz/a	POST B	
AATREX	4 L	1.5 qt/a	POST B	
PROWL H20	3.8 SC	2.0 pt/a	POST B	
10 ZIDUA	85 WG	2.0 oz/a	PRE A	
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST B	
STATUS	56 WG	5.0 oz/a	POST B	
LSD (P=.10)		3.45	2.58	3.25
Standard Deviation		2.43	1.83	2.30
CV		182.57	2.12	4.27
Grand Mean		1.33	86.03	53.83
Bartlett's X2		0.0	0.0	8.523
P(Bartlett's X2)		.	.	0.482
Replicate F		2.250	1.000	2.352
Replicate Prob(F)		0.1342	0.3874	0.1237
Treatment F		4.000	906.010	2.484
Treatment Prob(F)		0.0060	0.0001	0.0479

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WEED CONTROL IN FIELD CORN WITH ZIDUA

Trial ID: CN-15-13 Study Dir.: SANDY NEWELL
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code

RAPRA = RADISH, WILD / RAPHANUS RAPHANISTRUM L.
LAMAM = HENBIT / LAMIUM AMPLEXICAULE L.
AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.
SPRAR = SPURRY, CORN / SPERGULA ARVENSIS L.

Part Rated

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

PRM Data Type

TY1 = 5.016948*[16]

University of Georgia

WEED CONTROL IN FIELD CORN WITH ZIDUA

Trial ID: CN-15-13 Study Dir.: SANDY NEWELL
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.							----- ZEAMA PLANT - STAND #/3FT Apr-8-13	----- ZEAMA PLANT - STUNTING PERCENT Apr-8-13	RAPRA ----- CONTROL PERCENT Apr-8-13	LAMAM ----- CONTROL PERCENT Apr-8-13	AMAPA ----- CONTROL PERCENT Apr-8-13	SPRAR ----- CONTROL PERCENT Apr-8-13
Trt Treatment	Form Form	Rate Grow	Appl				1	2	3	4	5	6
No. Name	Conc Type	Rate Unit	Stg	Code	Plot							
1 NTC					101	7.0	0.0	0.0	0.0	0.0	0.0	0.0
					208	6.0	0.0	0.0	0.0	0.0	0.0	0.0
					304	7.0	0.0	0.0	0.0	0.0	0.0	0.0
					Mean =	6.7	0.0	0.0	0.0	0.0	0.0	0.0
2 ZIDUA	85 WG	2.0 oz/a	PRE	A	102	4.0	0.0	99.0	99.0	99.0	99.0	99.0
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST	B	207	6.0	0.0	99.0	99.0	99.0	99.0	99.0
AATREX	4 L	2.0 qt/a	POST	B	308	7.0	0.0	85.0	99.0	99.0	99.0	99.0
					Mean =	5.7	0.0	94.3	99.0	99.0	99.0	99.0
3 ZIDUA	85 WG	2.0 oz/a	PRE	A	103	6.0	0.0	99.0	99.0	99.0	99.0	99.0
LIBERTY	2.34 SL	29.0 oz/a	POST	B	205	7.0	0.0	99.0	99.0	99.0	99.0	99.0
AATREX	4 L	2.0 qt/a	POST	B	306	7.0	0.0	90.0	99.0	99.0	99.0	99.0
					Mean =	6.7	0.0	96.0	99.0	99.0	99.0	99.0
4 AATREX	4 L	1.0 qt/a	PRE	A	104	6.0	0.0	99.0	99.0	99.0	99.0	99.0
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST	B	210	6.0	0.0	99.0	99.0	99.0	99.0	99.0
AATREX	4 L	1.5 qt/a	POST	B	301	7.0	0.0	75.0	99.0	99.0	99.0	99.0
ZIDUA	85 WG	2.0 oz/a	POST	B								
					Mean =	6.3	0.0	91.0	99.0	99.0	99.0	99.0
5 AATREX	4 L	1.0 qt/a	PRE	A	105	7.0	0.0	99.0	99.0	99.0	99.0	99.0
LIBERTY	2.34 SL	29.0 oz/a	POST	B	204	7.0	0.0	95.0	99.0	99.0	99.0	99.0
AATREX	4 L	1.5 qt/a	POST	B	310	7.0	0.0	85.0	99.0	99.0	99.0	99.0
ZIDUA	85 WG	2.0 oz/a	POST	B								
					Mean =	7.0	0.0	93.0	99.0	99.0	99.0	99.0
6 AATREX	4 L	1.0 qt/a	PRE	A	106	6.0	0.0	99.0	99.0	99.0	99.0	99.0
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST	B	209	5.0	0.0	99.0	99.0	99.0	99.0	99.0
AATREX	4 L	1.5 qt/a	POST	B	302	7.0	0.0	75.0	99.0	99.0	99.0	99.0
					Mean =	6.0	0.0	91.0	99.0	99.0	99.0	99.0
7 AATREX	4 L	1.0 qt/a	PRE	A	107	7.0	0.0	99.0	99.0	99.0	99.0	99.0
LIBERTY	2.34 SL	29.0 oz/a	POST	B	202	6.0	0.0	99.0	99.0	99.0	99.0	99.0
AATREX	4 L	1.5 qt/a	POST	B	305	7.0	0.0	85.0	99.0	99.0	99.0	99.0
					Mean =	6.7	0.0	94.3	99.0	99.0	99.0	99.0
8 AATREX	4 L	1.0 qt/a	PRE	A	108	6.0	0.0	99.0	99.0	99.0	99.0	99.0
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST	B	203	7.0	0.0	99.0	99.0	99.0	99.0	99.0
AATREX	4 L	1.5 qt/a	POST	B	307	7.0	0.0	95.0	99.0	99.0	99.0	99.0
PROWL H20	3.8 SC	2.0 pt/a	POST	B								
					Mean =	6.7	0.0	97.7	99.0	99.0	99.0	99.0
9 AATREX	4 L	1.0 qt/a	PRE	A	109	7.0	0.0	99.0	99.0	99.0	99.0	99.0
LIBERTY	2.34 SL	29.0 oz/a	POST	B	201	6.0	0.0	99.0	99.0	99.0	99.0	99.0
AATREX	4 L	1.5 qt/a	POST	B	309	7.0	0.0	75.0	99.0	99.0	99.0	99.0
PROWL H20	3.8 SC	2.0 pt/a	POST	B								
					Mean =	6.7	0.0	91.0	99.0	99.0	99.0	99.0
10 ZIDUA	85 WG	2.0 oz/a	PRE	A	110	7.0	0.0	99.0	99.0	99.0	99.0	99.0
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST	B	206	7.0	0.0	95.0	99.0	99.0	99.0	99.0
STATUS	56 WG	5.0 oz/a	POST	B	303	7.0	0.0	85.0	99.0	99.0	99.0	99.0
					Mean =	7.0	0.0	93.0	99.0	99.0	99.0	99.0

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.							----- ZEAMA PLANT - STUNTING PERCENT Apr-18-13	AMAPA ----- CONTROL PERCENT Apr-18-13	LAMAM ----- CONTROL PERCENT Apr-18-13	SPRAR ----- CONTROL PERCENT Apr-18-13	----- ZEAMA PLANT - STUNTING PERCENT May-7-13	AMAPA ----- CONTROL PERCENT May-7-13		
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	7	8	9	10	11	12
1	NTC						101		0.0	0.0	0.0	0.0	0.0	0.0
							208		0.0	0.0	0.0	0.0	0.0	0.0
							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
2	ZIDUA	85 WG		2.0 oz/a	PRE	A	102		10.0	99.0	99.0	99.0	30.0	99.0
	ROUNDUP W-MAX	5.5 SL		22.0 oz/a	POST	B	207		5.0	99.0	99.0	99.0	20.0	99.0
	AATREX	4 L		2.0 qt/a	POST	B	308		15.0	99.0	99.0	99.0	30.0	99.0
							Mean =		10.0	99.0	99.0	99.0	26.7	99.0
3	ZIDUA	85 WG		2.0 oz/a	PRE	A	103		0.0	99.0	99.0	99.0	20.0	99.0
	LIBERTY	2.34 SL		29.0 oz/a	POST	B	205		0.0	99.0	99.0	99.0	20.0	99.0
	AATREX	4 L		2.0 qt/a	POST	B	306		5.0	99.0	99.0	99.0	15.0	99.0
							Mean =		1.7	99.0	99.0	99.0	18.3	99.0
4	AATREX	4 L		1.0 qt/a	PRE	A	104		0.0	99.0	99.0	99.0	0.0	99.0
	ROUNDUP W-MAX	5.5 SL		22.0 oz/a	POST	B	210		5.0	99.0	99.0	99.0	0.0	99.0
	AATREX	4 L		1.5 qt/a	POST	B	301		0.0	99.0	99.0	99.0	0.0	99.0
	ZIDUA	85 WG		2.0 oz/a	POST	B								
							Mean =		1.7	99.0	99.0	99.0	0.0	99.0
5	AATREX	4 L		1.0 qt/a	PRE	A	105		0.0	99.0	99.0	99.0	0.0	99.0
	LIBERTY	2.34 SL		29.0 oz/a	POST	B	204		0.0	99.0	99.0	99.0	15.0	99.0
	AATREX	4 L		1.5 qt/a	POST	B	310		0.0	99.0	99.0	99.0	0.0	99.0
	ZIDUA	85 WG		2.0 oz/a	POST	B								
							Mean =		0.0	99.0	99.0	99.0	5.0	99.0
6	AATREX	4 L		1.0 qt/a	PRE	A	106		0.0	99.0	99.0	99.0	0.0	99.0
	ROUNDUP W-MAX	5.5 SL		22.0 oz/a	POST	B	209		10.0	99.0	99.0	99.0	0.0	99.0
	AATREX	4 L		1.5 qt/a	POST	B	302		0.0	99.0	99.0	99.0	0.0	99.0
							Mean =		3.3	99.0	99.0	99.0	0.0	99.0
7	AATREX	4 L		1.0 qt/a	PRE	A	107		0.0	99.0	99.0	99.0	5.0	99.0
	LIBERTY	2.34 SL		29.0 oz/a	POST	B	202		0.0	99.0	99.0	99.0	0.0	99.0
	AATREX	4 L		1.5 qt/a	POST	B	305		0.0	99.0	99.0	99.0	10.0	99.0
							Mean =		0.0	99.0	99.0	99.0	5.0	99.0
8	AATREX	4 L		1.0 qt/a	PRE	A	108		0.0	99.0	99.0	99.0	0.0	99.0
	ROUNDUP W-MAX	5.5 SL		22.0 oz/a	POST	B	203		0.0	99.0	99.0	99.0	0.0	99.0
	AATREX	4 L		1.5 qt/a	POST	B	307		0.0	99.0	99.0	99.0	0.0	99.0
	PROWL H20	3.8 SC		2.0 pt/a	POST	B								
							Mean =		0.0	99.0	99.0	99.0	0.0	99.0
9	AATREX	4 L		1.0 qt/a	PRE	A	109		0.0	99.0	99.0	99.0	0.0	99.0
	LIBERTY	2.34 SL		29.0 oz/a	POST	B	201		0.0	99.0	99.0	99.0	5.0	99.0
	AATREX	4 L		1.5 qt/a	POST	B	309		0.0	99.0	99.0	99.0	0.0	99.0
	PROWL H20	3.8 SC		2.0 pt/a	POST	B								
							Mean =		0.0	99.0	99.0	99.0	1.7	99.0
10	ZIDUA	85 WG		2.0 oz/a	PRE	A	110		10.0	99.0	99.0	99.0	15.0	99.0
	ROUNDUP W-MAX	5.5 SL		22.0 oz/a	POST	B	206		10.0	99.0	99.0	99.0	20.0	99.0
	STATUS	56 WG		5.0 oz/a	POST	B	303		0.0	99.0	99.0	99.0	15.0	99.0
							Mean =		6.7	99.0	99.0	99.0	16.7	99.0

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.							RAPRA ----- CONTROL PERCENT May-7-13	----- ZEAMA PLANT - STUNTING PERCENT May-28-13	AMAPA ----- CONTROL PERCENT May-28-13	----- ZEAMA YIELD LBS/PLOT Sep-3-13	----- ZEAMA YIELD BU/A Sep-3-13 TY1 - 0		
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	13	14	15	16	17
1	NTC							101	0.0	0.0	0.0	54.0	271
								208	0.0	0.0	0.0	50.0	251
								304	0.0	0.0	0.0	51.0	256
								Mean =	0.0	0.0	0.0	51.7	259
2	ZIDUA	85	WG	2.0	oz/a	PRE	A	102	99.0	10.0	99.0	51.0	256
	ROUNDUP W-MAX	5.5	SL	22.0	oz/a	POST	B	207	99.0	0.0	99.0	49.0	246
	AATREX	4	L	2.0	qt/a	POST	B	308	99.0	10.0	99.0	47.0	236
								Mean =	99.0	6.7	99.0	49.0	246
3	ZIDUA	85	WG	2.0	oz/a	PRE	A	103	99.0	0.0	99.0	52.0	261
	LIBERTY	2.34	SL	29.0	oz/a	POST	B	205	99.0	0.0	99.0	57.0	286
	AATREX	4	L	2.0	qt/a	POST	B	306	99.0	0.0	99.0	55.0	276
								Mean =	99.0	0.0	99.0	54.7	274
4	AATREX	4	L	1.0	qt/a	PRE	A	104	99.0	0.0	99.0	54.0	271
	ROUNDUP W-MAX	5.5	SL	22.0	oz/a	POST	B	210	99.0	0.0	99.0	54.0	271
	AATREX	4	L	1.5	qt/a	POST	B	301	99.0	0.0	99.0	58.0	291
	ZIDUA	85	WG	2.0	oz/a	POST	B						
								Mean =	99.0	0.0	99.0	55.3	278
5	AATREX	4	L	1.0	qt/a	PRE	A	105	99.0	0.0	99.0	54.0	271
	LIBERTY	2.34	SL	29.0	oz/a	POST	B	204	99.0	0.0	99.0	53.0	266
	AATREX	4	L	1.5	qt/a	POST	B	310	99.0	0.0	99.0	57.0	286
	ZIDUA	85	WG	2.0	oz/a	POST	B						
								Mean =	99.0	0.0	99.0	54.7	274
6	AATREX	4	L	1.0	qt/a	PRE	A	106	99.0	0.0	99.0	54.0	271
	ROUNDUP W-MAX	5.5	SL	22.0	oz/a	POST	B	209	99.0	0.0	99.0	50.0	251
	AATREX	4	L	1.5	qt/a	POST	B	302	99.0	0.0	99.0	60.0	301
								Mean =	99.0	0.0	99.0	54.7	274
7	AATREX	4	L	1.0	qt/a	PRE	A	107	99.0	0.0	99.0	54.0	271
	LIBERTY	2.34	SL	29.0	oz/a	POST	B	202	99.0	0.0	99.0	56.0	281
	AATREX	4	L	1.5	qt/a	POST	B	305	99.0	0.0	99.0	59.0	296
								Mean =	99.0	0.0	99.0	56.3	283
8	AATREX	4	L	1.0	qt/a	PRE	A	108	99.0	0.0	99.0	53.0	266
	ROUNDUP W-MAX	5.5	SL	22.0	oz/a	POST	B	203	99.0	0.0	99.0	55.0	276
	AATREX	4	L	1.5	qt/a	POST	B	307	99.0	0.0	99.0	55.0	276
	PROWL H20	3.8	SC	2.0	pt/a	POST	B						
								Mean =	99.0	0.0	99.0	54.3	273
9	AATREX	4	L	1.0	qt/a	PRE	A	109	99.0	0.0	99.0	55.0	276
	LIBERTY	2.34	SL	29.0	oz/a	POST	B	201	99.0	0.0	99.0	54.0	271
	AATREX	4	L	1.5	qt/a	POST	B	309	99.0	0.0	99.0	54.0	271
	PROWL H20	3.8	SC	2.0	pt/a	POST	B						
								Mean =	99.0	0.0	99.0	54.3	273
10	ZIDUA	85	WG	2.0	oz/a	PRE	A	110	99.0	10.0	65.0	53.0	266
	ROUNDUP W-MAX	5.5	SL	22.0	oz/a	POST	B	206	99.0	0.0	65.0	52.0	261
	STATUS	56	WG	5.0	oz/a	POST	B	303	99.0	10.0	75.0	55.0	276
								Mean =	99.0	6.7	68.3	53.3	268

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WEED CONTROL IN FIELD CORN WITH ZIDUA

Trial ID: CN-15-13 Study Dir.: SANDY NEWELL
Location: PONDER FARM Investigator: Eric P. Prostko

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