

University of Georgia

WEED CONTROL IN PEANUT WITH ZIDUA, DUAL MAGNUM, AND WARRANT PROGRAMS - I

Trial ID: PE-01-13 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 4 Plots: 6 by 25 feet
Spray vol: 15 gal/ac Mix size: 1.5 liters (min .78211)

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Rep 1	2	3	4
1	NTC							101	203	307	411
2	VALOR SX	51 WG		3.0 oz/a	PRE	A	2.247 g/mx	102	208	306	409
	ZIDUA	85 WG		1.5 oz/a	PRE	A	1.123 g/mx				
	CADRE	2 AS		4.0 oz/a	POST	C	3.125 ml/mx				
	ZIDUA	85 WG		1.5 oz/a	POST	C	1.123 g/mx				
	COC			1.0 % v/v	POST	C	15.0 ml/mx				
3	VALOR SX	51 WG		3.0 oz/a	PRE	A	2.247 g/mx	103	201	304	410
	ZIDUA	85 WG		1.5 oz/a	PRE	A	1.123 g/mx				
	COBRA	2 EC		12.5 oz/a	POST	C	9.765 ml/mx				
	ZIDUA	85 WG		1.5 oz/a	POST	C	1.123 g/mx				
	COC			1.0 % v/v	POST	C	15.0 ml/mx				
4	VALOR SX	51 WG		3.0 oz/a	PRE	A	2.247 g/mx	104	202	301	402
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A	12.5 ml/mx				
	CADRE	2 AS		4.0 oz/a	POST	C	3.125 ml/mx				
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	C	12.5 ml/mx				
5	VALOR SX	51 WG		3.0 oz/a	PRE	A	2.247 g/mx	105	210	305	407
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A	12.5 ml/mx				
	COBRA	2 EC		12.5 oz/a	POST	C	9.765 ml/mx				
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	C	12.5 ml/mx				
6	VALOR SX	51 WG		3.0 oz/a	PRE	A	2.247 g/mx	106	209	309	401
	WARRANT	3 ME		48.0 oz/a	PRE	A	37.5 ml/mx				
	CADRE	2 AS		4.0 oz/a	POST	C	3.125 ml/mx				
	WARRANT	3 ME		48.0 oz/a	POST	C	37.5 ml/mx				
	COC			1.0 % v/v	POST	C	15.0 ml/mx				
7	VALOR SX	51 WG		3.0 oz/a	PRE	A	2.247 g/mx	107	204	308	403
	WARRANT	3 ME		48.0 oz/a	PRE	A	37.5 ml/mx				
	COBRA	2 EC		12.5 oz/a	POST	C	9.765 ml/mx				
	WARRANT	3 ME		48.0 oz/a	POST	C	37.5 ml/mx				
	COC			1.0 % v/v	POST	C	15.0 ml/mx				
8	PROWL H2O	3.8 SC		32.0 oz/a	PRE	A	25.0 ml/mx	108	206	311	406
	VALOR SX	51 WG		3.0 oz/a	PRE	A	2.247 g/mx				
	STRONGARM	85 WG		0.23 oz/a	PRE	A	0.1722 g/mx				
	CADRE	2 AS		4.0 oz/a	POST	C	3.125 ml/mx				
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	C	12.5 ml/mx				
9	PROWL H2O	3.8 SC		32.0 oz/a	PRE	A	25.0 ml/mx	109	211	302	405
	VALOR SX	51 WG		3.0 oz/a	PRE	A	2.247 g/mx				
	STRONGARM	85 WG		0.23 oz/a	PRE	A	0.1722 g/mx				
	COBRA	2 EC		12.5 oz/a	POST	C	9.765 ml/mx				
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	C	12.5 ml/mx				
10	PROWL H2O	3.8 SC		32.0 oz/a	PRE	A	25.0 ml/mx	110	205	303	408
	GRAMOXONE SL	2 SL		12.0 oz/a	EPOST	B	9.374 ml/mx				
	STORM	4 SL		16.0 oz/a	EPOST	B	12.5 ml/mx				
	DUAL MAGNUM	7.62 EC		16.0 oz/a	EPOST	B	12.5 ml/mx				
	CADRE	2 AS		4.0 oz/a	POST	C	3.125 ml/mx				
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	C	12.5 ml/mx				
11	PROWL H2O	3.8 SC		32.0 oz/a	PRE	A	25.0 ml/mx	111	207	310	404
	GRAMOXONE SL	2 SL		12.0 oz/a	EPOST	B	9.374 ml/mx				
	STORM	4 SL		16.0 oz/a	EPOST	B	12.5 ml/mx				
	DUAL MAGNUM	7.62 EC		16.0 oz/a	EPOST	B	12.5 ml/mx				
	COBRA	2 EC		12.5 oz/a	POST	C	9.765 ml/mx				
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	C	12.5 ml/mx				

Sort Order: Treatment

Trial Comments

ANNUAL GRASS = TEXAS PANICUM + GOOSEGRASS + CRABGRASS

AIM 2EC @ 2 OZ/A + NIS - SEPTEMBER 4

DIGGING DATE: SEPTEMBER 20

HARVEST DATE: SEPTEMBER 30

HARVEST MOISTURE: 13.8%

YIELDS ADJUSTED TO 10%

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MISSING YIELD DATA IN PLOT#404 DUE TO COMBINE PROBLEMS.

SUMMARY:

- 1) PRE APPLICATIONS OF VALOR OR ZIDUA + VALOR CAUSED SIGNIFICANT PEANUT STUNTING. HOWEVER, ZIDUA + VALOR CAUSED MORE INJURY THAN VALOR APPLIED ALONE.
- 2) COBRA CAUSED SIGNIFICANT PEANUT LEAF INJURY (BURN).
- 3) PALMER AMARANTH CONTROL WAS EXCELLENT WITH ALL TREATMENTS (99%).
- 4) GENERALLY, THERE WAS NO DIFFERENCE IN WEED CONTROL OR YIELD BETWEEN DUAL MAGNUM AND WARRANT BASED PROGRAMS. HOWEVER, VALOR + DUAL FB COBRA + DUAL PROVIDED BETTER ANNUAL GRASS CONTROL THAN VALOR + WARRANT FB COBRA + WARRANT
- 5) ANNUAL GRASS CONTROL ON JUNE 25 (57 DAP) WAS GREATER THAN 83% WITH ALL TREATMENTS EXCEPT FOR THE FOLLOWING: VALOR + WARRANT FB COBRA + WARRANT (70% CONTROL).
- 6) ALL TREATMENTS RESULTED IN GREATER YIELDS THAN THE NTC.
- 7) GENERALLY, TREATMENTS THAT INCLUDED PRE + POST APPLICATIONS OF ZIDUA HAD SIGNIFICANTLY LOWER PEANUT YIELDS THAN THE CURRENT STANDARD WEED CONTROL PROGRAMS.

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WEED CONTROL IN PEANUT WITH ZIDUA, DUAL MAGNUM,
AND WARRANT PROGRAMS - I

Trial ID: PE-01-13 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: _____ Title: _____
Affiliation: _____ Postal Code: _____

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

Trial 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. GRASS TPANICUM/GOOSE/CRAB

Crop 1: ARAHY PEANUT Variety: GA-06G Planting Date: Apr-29-13
Planting Method: MONOSEM TWIN ROW Rate: 3.1 SEED/FT Depth: 2 IN
Perennial Age: _____ Row Spacing: _____ Seed Bed: _____
Soil Temperature: _____ Soil Moisture: OPTIMUM Emergence Date: _____

Plot Width, Unit: 6 FT Plot Length, Unit: 25 FT Reps: 4

Site Type: _____

Tillage Type: CONVENTIONAL

Study Design: RACOB

Trial Initiation Comments: 36"/9" TWIN ROW Spacing; THIMET20G INFR @ 3.5 LBS/A;
DYNASTY PD SEED TRT

Previous: Crops Pesticides Year

1. _____

MAINTENANCE

Field Prep./Maintenance: _____

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

SOIL DESCRIPTION

Texture: SAND % OM: 0.45 % Sand: 92 % Silt: 4 % Clay: 4
pH: 6.2 CEC: 3.1 Soil Name: TIFTON Fertility Level: GOOD

MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. May-2-13		0.34	IN	RAINFALL		
2. May-3-13		0.17	IN	RAINFALL		
3. May-4-13		0.69	IN	RAINFALL		
4. May-5-13		0.02	IN	RAINFALL		
5. May-8-13		0.5	IN	SPRINKLER - LATERAL MOVE		
6. May-11-13		0.05	IN	RAINFALL		
7. May-14-13		0.5	IN	SPRINKLER - LATERAL MOVE		
8. May-18-13		0.07	IN	RAINFALL		
9. May-19-13		0.12	IN	RAINFALL		
10. May-21-13		0.50	IN	RAINFALL		
11. May-22-13		0.31	IN	RAINFALL		
12. May-23-13		0.69	IN	RAINFALL		
13. May-29-13		0.4	IN	SPRINKLER - LATERAL MOVE		
14. May-30-13		0.4	IN	SPRINKLER - LATERAL MOVE		
15. Jun-2-13		0.6	IN	RAINFALL		

Overall Moisture Conditions: _____

Closest Weather Station: _____ Distance: _____ Unit: _____

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APPLICATION DESCRIPTION						
	A	B	C	D	E	F
Application Date:	Apr-30-13	May-16-13	Jun-11-13			
Time of Day:	9:00 AM	7:30 AM	7:00 AM			
Application Method:	BROADCAST	BROADCAST	BROADCAST			
Application Timing:	PRE	EPOST	POST			
Applic. Placement:	SOIL	FOLIAGE	FOLIAGE			
Air Temp., Unit:	70 F	64 F	73 F			
% Relative Humidity:	72	97	100			
Wind Velocity, Unit:	2 MPH	0 MPH	3 MPH			
Dew Presence (Y/N):	N	Y	Y			
Water Hardness:	--	--	--			
Soil Temp., Unit:	66 F	72 F	76 F			
Soil Moisture:	GOOD	OPTIMUM	OPTIMUM			
% Cloud Cover:	100	50	90			

CROP STAGE AT EACH APPLICATION						
	A	B	C	D	E	F
Crop 1 Stage: ARAHY						
Stage Scale:		V3-V4	R1			
Height, Unit:		3 IN	6 IN			

WEED STAGE AT EACH APPLICATION						
	A	B	C	D	E	F
Weed 1 Stage: AMAPA						
Stage Scale:						
Density, Unit:						
Weed 2 Stage: GRASS			4-6"			
Stage Scale:						
Density, Unit:						

APPLICATION EQUIPMENT						
	A	B	C	D	E	F
Appl. Equipment:	BACKPACK	BACKPACK	SAME			
Operating Pressure:	29	29				
Nozzle Type:	AIXR	FLAT FAN				
Nozzle Size:	11002	11002XR				
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:	3.0	MPH 3.0	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 PEANUT WITH ZIDUA, DUAL MAGNUM, AND WARRANT PROGRAMS - I													
Trial ID:		PE-01-13		Study Dir.:									
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.							----- ARAHY PLANT - STUNTING PERCENT May-15-13	AMAPA ----- CONTROL PERCENT May-15-13	----- ARAHY PLANT - STUNTING PERCENT May-28-13	----- ARAHY LEAF - BURN PERCENT May-28-13	AMAPA ----- CONTROL PERCENT May-28-13	ANNUAL GRASS CONTROL PERCENT May-28-13	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6	
1	NTC						0.0 f	0.0 c	0.0 d	0.0 a	0.0 b	0.0 d	
2	VALOR SX	51 WG		3.0 oz/a	PRE A	A	50.0 a	99.0 a	41.3 a	0.0 a	99.0 a	96.8 ab	
	ZIDUA	85 WG		1.5 oz/a	PRE A	A							
	CADRE	2 AS		4.0 oz/a	POST C	C							
	ZIDUA	85 WG		1.5 oz/a	POST C	C							
	COC			1.0 % v/v	POST C	C							
3	VALOR SX	51 WG		3.0 oz/a	PRE A	A	50.0 a	99.0 a	38.8 a	0.0 a	99.0 a	99.0 a	
	ZIDUA	85 WG		1.5 oz/a	PRE A	A							
	COBRA	2 EC		12.5 oz/a	POST C	C							
	ZIDUA	85 WG		1.5 oz/a	POST C	C							
	COC			1.0 % v/v	POST C	C							
4	VALOR SX	51 WG		3.0 oz/a	PRE A	A	15.0 bc	99.0 a	13.8 bc	5.0 a	99.0 a	94.5 ab	
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE A	A							
	CADRE	2 AS		4.0 oz/a	POST C	C							
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST C	C							
5	VALOR SX	51 WG		3.0 oz/a	PRE A	A	21.3 b	99.0 a	18.8 bc	0.0 a	99.0 a	99.0 a	
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE A	A							
	COBRA	2 EC		12.5 oz/a	POST C	C							
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST C	C							
6	VALOR SX	51 WG		3.0 oz/a	PRE A	A	3.8 ef	99.0 a	17.5 bc	2.5 a	99.0 a	88.5 bc	
	WARRANT	3 ME		48.0 oz/a	PRE A	A							
	CADRE	2 AS		4.0 oz/a	POST C	C							
	WARRANT	3 ME		48.0 oz/a	POST C	C							
	COC			1.0 % v/v	POST C	C							
7	VALOR SX	51 WG		3.0 oz/a	PRE A	A	11.3 cd	99.0 a	21.3 b	0.0 a	99.0 a	84.8 c	
	WARRANT	3 ME		48.0 oz/a	PRE A	A							
	COBRA	2 EC		12.5 oz/a	POST C	C							
	WARRANT	3 ME		48.0 oz/a	POST C	C							
	COC			1.0 % v/v	POST C	C							
8	PROWL H20	3.8 SC		32.0 oz/a	PRE A	A	12.5 cd	99.0 a	12.5 c	0.0 a	99.0 a	97.0 ab	
	VALOR SX	51 WG		3.0 oz/a	PRE A	A							
	STRONGARM	85 WG		0.23 oz/a	PRE A	A							
	CADRE	2 AS		4.0 oz/a	POST C	C							
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST C	C							
9	PROWL H20	3.8 SC		32.0 oz/a	PRE A	A	12.5 cd	99.0 a	17.5 bc	2.5 a	99.0 a	98.0 a	
	VALOR SX	51 WG		3.0 oz/a	PRE A	A							
	STRONGARM	85 WG		0.23 oz/a	PRE A	A							
	COBRA	2 EC		12.5 oz/a	POST C	C							
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST C	C							
10	PROWL H20	3.8 SC		32.0 oz/a	PRE A	A	3.8 ef	95.5 b	3.8 d	0.0 a	99.0 a	98.0 a	
	GRAMOXONE SL	2 SL		12.0 oz/a	EPOST B	B							
	STORM	4 SL		16.0 oz/a	EPOST B	B							
	DUAL MAGNUM	7.62 EC		16.0 oz/a	EPOST B	B							
	CADRE	2 AS		4.0 oz/a	POST C	C							
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST C	C							

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.

Missing data estimates are included in columns: Yates=14,15

Weed Code	-----	AMAPA	-----	-----	AMAPA	ANNUAL
Crop Code	ARAHY		ARAHY	ARAHY		GRASS
Part Rated	PLANT -		PLANT -	LEAF -		
Rating Data Type	STUNTING	CONTROL	STUNTING	BURN	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	May-15-13	May-15-13	May-28-13	May-28-13	May-28-13	May-28-13
PRM Data Type						
# Subsamples, Dec.						
Trt Treatment	Form Form	Rate	Grow	Appl		
No. Name	Conc Type	Rate Unit	Stg	Code	1	2
11 PROWL H2O	3.8 SC	32.0 oz/a	PRE	A	7.5 de	96.8 ab
GRAMOXONE SL	2 SL	12.0 oz/a	EPOST	B		1.3 d
STORM	4 SL	16.0 oz/a	EPOST	B		0.0 a
DUAL MAGNUM	7.62 EC	16.0 oz/a	EPOST	B		99.0 a
COBRA	2 EC	12.5 oz/a	POST	C		99.0 a
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	C		
LSD (P=.10)		6.58	2.87	7.72	3.34	8.01
Standard Deviation		5.48	2.39	6.43	2.78	6.67
CV		32.17	2.67	37.98	305.78	7.69
Grand Mean		17.05	89.48	16.93	0.91	86.77
Bartlett's X2		6.537	0.559	11.23	0.083	23.145
P(Bartlett's X2)		0.685	0.455	0.26	0.959	0.001*
Replicate F		3.854	2.101	1.735	0.784	1.971
Replicate Prob(F)		0.0191	0.1211	0.1809	0.5121	0.1396
Treatment F		39.952	616.546	17.659	1.471	76.349
Treatment Prob(F)		0.0001	0.0001	0.0001	0.1989	0.0001

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.							----- ARAHY PLANT - STUNTING PERCENT Jun-11-13	AMAPA ----- CONTROL PERCENT Jun-11-13	ANNUAL GRASS CONTROL PERCENT Jun-11-13	----- ARAHY PLANT - STUNTING PERCENT Jun-25-13	----- ARAHY LEAF - BURN PERCENT Jun-25-13	AMAPA ----- CONTROL PERCENT Jun-25-13	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg	Appl Code	7	8	9	10	11	12
1	NTC							0.0 c	0.0 b	0.0 c	0.0 b	0.0 b	0.0 b
2	VALOR SX	51	WG	3.0 oz/a	PRE	A		37.5 a	99.0 a	98.0 a	23.8 a	0.0 b	99.0 a
	ZIDUA	85	WG	1.5 oz/a	PRE	A							
	CADRE	2	AS	4.0 oz/a	POST	C							
	ZIDUA	85	WG	1.5 oz/a	POST	C							
	COC			1.0 % v/v	POST	C							
3	VALOR SX	51	WG	3.0 oz/a	PRE	A		37.5 a	99.0 a	95.8 a	21.3 a	5.0 a	99.0 a
	ZIDUA	85	WG	1.5 oz/a	PRE	A							
	COBRA	2	EC	12.5 oz/a	POST	C							
	ZIDUA	85	WG	1.5 oz/a	POST	C							
	COC			1.0 % v/v	POST	C							
4	VALOR SX	51	WG	3.0 oz/a	PRE	A		5.0 bc	99.0 a	84.8 b	3.8 b	0.0 b	99.0 a
	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE	A							
	CADRE	2	AS	4.0 oz/a	POST	C							
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C							
5	VALOR SX	51	WG	3.0 oz/a	PRE	A		8.8 b	99.0 a	96.8 a	3.8 b	5.0 a	99.0 a
	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE	A							
	COBRA	2	EC	12.5 oz/a	POST	C							
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C							
6	VALOR SX	51	WG	3.0 oz/a	PRE	A		2.5 bc	99.0 a	82.3 b	1.3 b	0.0 b	99.0 a
	WARRANT	3	ME	48.0 oz/a	PRE	A							
	CADRE	2	AS	4.0 oz/a	POST	C							
	WARRANT	3	ME	48.0 oz/a	POST	C							
	COC			1.0 % v/v	POST	C							
7	VALOR SX	51	WG	3.0 oz/a	PRE	A		8.8 b	99.0 a	78.5 b	2.5 b	5.0 a	99.0 a
	WARRANT	3	ME	48.0 oz/a	PRE	A							
	COBRA	2	EC	12.5 oz/a	POST	C							
	WARRANT	3	ME	48.0 oz/a	POST	C							
	COC			1.0 % v/v	POST	C							
8	PROWL H20	3.8	SC	32.0 oz/a	PRE	A		0.0 c	99.0 a	96.8 a	0.0 b	0.0 b	99.0 a
	VALOR SX	51	WG	3.0 oz/a	PRE	A							
	STRONGARM	85	WG	0.23 oz/a	PRE	A							
	CADRE	2	AS	4.0 oz/a	POST	C							
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C							
9	PROWL H20	3.8	SC	32.0 oz/a	PRE	A		0.0 c	99.0 a	96.8 a	1.3 b	5.0 a	99.0 a
	VALOR SX	51	WG	3.0 oz/a	PRE	A							
	STRONGARM	85	WG	0.23 oz/a	PRE	A							
	COBRA	2	EC	12.5 oz/a	POST	C							
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C							
10	PROWL H20	3.8	SC	32.0 oz/a	PRE	A		2.5 bc	99.0 a	99.0 a	3.8 b	0.0 b	99.0 a
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B							
	STORM	4	SL	16.0 oz/a	EPOST	B							
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B							
	CADRE	2	AS	4.0 oz/a	POST	C							
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C							

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date	----- ARAHY PLANT - STUNTING PERCENT Jun-11-13	AMAPA ----- CONTROL PERCENT Jun-11-13	ANNUAL GRASS CONTROL PERCENT Jun-11-13	----- ARAHY PLANT - STUNTING PERCENT Jun-25-13	----- ARAHY LEAF - BURN PERCENT Jun-25-13	AMAPA ----- CONTROL PERCENT Jun-25-13
PRM Data Type # Subsamples, Dec.						
Trt Treatment Form Form Rate Grow Appl No. Name Conc Type Rate Unit Stg Code	7	8	9	10	11	12
11 PROWL H2O 3.8 SC 32.0 oz/a PRE A	5.0 bc	99.0 a	96.8 a	3.8 b	5.0 a	99.0 a
GRAMOXONE SL 2 SL 12.0 oz/a EPOST B						
STORM 4 SL 16.0 oz/a EPOST B						
DUAL MAGNUM 7.62 EC 16.0 oz/a EPOST B						
COBRA 2 EC 12.5 oz/a POST C						
DUAL MAGNUM 7.62 EC 16.0 oz/a POST C						
LSD (P=.10)	6.83	0.00	9.15	6.55	0.00	0.00
Standard Deviation	5.69	0.00	7.63	5.46	0.00	0.00
CV	58.23	0.0	9.07	92.34	0.0	0.0
Grand Mean	9.77	90.0	84.11	5.91	2.27	90.0
Bartlett's X2	16.831	0.0	20.636	16.824	0.0	0.0
P(Bartlett's X2)	0.019*	.	0.008*	0.032*	.	.
Replicate F	3.766	0.000	2.879	1.476	0.000	0.000
Replicate Prob(F)	0.0209	1.0000	0.0523	0.2410	1.0000	1.0000
Treatment F	24.425	0.000	57.050	9.366	0.000	0.000
Treatment Prob(F)	0.0001	1.0000	0.0001	0.0001	1.0000	1.0000

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Weed Code							ANNUAL GRASS	----- ARAHY PLOT - YIELD LBS/PLOT Sep-30-13	----- ARAHY PLOT - YIELD LBS/A Sep-30-13
Crop Code									
Part Rated									
Rating Data Type									
Rating Unit									
Rating Date							Jun-25-13	Sep-30-13	Sep-30-13
PRM Data Type									TY1
# Subsamples, Dec.								- 2	- 0
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	13	14	15
1	NTC						0.0 c	0.00 f	0 f
2	VALOR SX	51 WG	3.0 oz/a	PRE	A		99.0 a	16.51 e	4593 e
	ZIDUA	85 WG	1.5 oz/a	PRE	A				
	CADRE	2 AS	4.0 oz/a	POST	C				
	ZIDUA	85 WG	1.5 oz/a	POST	C				
	COC		1.0 % v/v	POST	C				
3	VALOR SX	51 WG	3.0 oz/a	PRE	A		83.3 ab	17.20 de	4784 de
	ZIDUA	85 WG	1.5 oz/a	PRE	A				
	COBRA	2 EC	12.5 oz/a	POST	C				
	ZIDUA	85 WG	1.5 oz/a	POST	C				
	COC		1.0 % v/v	POST	C				
4	VALOR SX	51 WG	3.0 oz/a	PRE	A		86.0 ab	19.64 abc	5462 abc
	DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A				
	CADRE	2 AS	4.0 oz/a	POST	C				
	DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	C				
5	VALOR SX	51 WG	3.0 oz/a	PRE	A		88.0 a	20.39 ab	5671 ab
	DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A				
	COBRA	2 EC	12.5 oz/a	POST	C				
	DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	C				
6	VALOR SX	51 WG	3.0 oz/a	PRE	A		83.5 ab	21.09 a	5865 a
	WARRANT	3 ME	48.0 oz/a	PRE	A				
	CADRE	2 AS	4.0 oz/a	POST	C				
	WARRANT	3 ME	48.0 oz/a	POST	C				
	COC		1.0 % v/v	POST	C				
7	VALOR SX	51 WG	3.0 oz/a	PRE	A		69.8 b	18.75 bcd	5215 bcd
	WARRANT	3 ME	48.0 oz/a	PRE	A				
	COBRA	2 EC	12.5 oz/a	POST	C				
	WARRANT	3 ME	48.0 oz/a	POST	C				
	COC		1.0 % v/v	POST	C				
8	PROWL H20	3.8 SC	32.0 oz/a	PRE	A		98.0 a	18.90 bc	5257 bc
	VALOR SX	51 WG	3.0 oz/a	PRE	A				
	STRONGARM	85 WG	0.23 oz/a	PRE	A				
	CADRE	2 AS	4.0 oz/a	POST	C				
	DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	C				
9	PROWL H20	3.8 SC	32.0 oz/a	PRE	A		95.5 a	19.56 abc	5441 abc
	VALOR SX	51 WG	3.0 oz/a	PRE	A				
	STRONGARM	85 WG	0.23 oz/a	PRE	A				
	COBRA	2 EC	12.5 oz/a	POST	C				
	DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	C				
10	PROWL H20	3.8 SC	32.0 oz/a	PRE	A		99.0 a	19.94 abc	5545 abc
	GRAMOXONE SL	2 SL	12.0 oz/a	EPOST	B				
	STORM	4 SL	16.0 oz/a	EPOST	B				
	DUAL MAGNUM	7.62 EC	16.0 oz/a	EPOST	B				
	CADRE	2 AS	4.0 oz/a	POST	C				
	DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	C				

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Weed Code						ANNUAL	-----	-----
Crop Code						GRASS	ARAHY	ARAHY
Part Rated							PLOT -	PLOT -
Rating Data Type						CONTROL	YIELD	YIELD
Rating Unit						PERCENT	LBS/PLOT	LBS/A
Rating Date						Jun-25-13	Sep-30-13	Sep-30-13
PRM Data Type								TY1
# Subsamples, Dec.							- 2	- 0
Trt Treatment	Form Form	Rate	Grow	Appl				
No. Name	Conc Type	Rate Unit	Stg	Code		13	14	15
11 PROWL H20	3.8 SC	32.0 oz/a	PRE	A		98.0 a	18.35 cd	5105 cd
GRAMOXONE SL	2 SL	12.0 oz/a	EPOST	B				
STORM	4 SL	16.0 oz/a	EPOST	B				
DUAL MAGNUM	7.62 EC	16.0 oz/a	EPOST	B				
COBRA	2 EC	12.5 oz/a	POST	C				
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	C				
LSD (P=.10)						15.34	1.551	431.3
Standard Deviation						12.78	1.291	359.0
CV						15.62	7.46	7.46
Grand Mean						81.82	17.3	4812.5
Bartlett's X2						24.705	4.89	4.89
P(Bartlett's X2)						0.001*	0.844	0.844
Replicate F						6.212	3.326	3.326
Replicate Prob(F)						0.0021	0.0333	0.0333
Treatment F						20.077	83.323	83.323
Treatment Prob(F)						0.0001	0.0001	0.0001

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WEED CONTROL IN PEANUT WITH ZIDUA, DUAL MAGNUM, AND WARRANT PROGRAMS - I			
Trial ID:	PE-01-13	Study Dir.:	
Location:	PONDER FARM	Investigator:	Eric P. Prostko
<u>Weed Code</u> AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.			
<u>Part Rated</u> PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)			
LEAF = LEAF / FOLIAGE			
<u>PRM Data Type</u> TY1 = 278.1387*[14]			

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WEED CONTROL IN PEANUT WITH ZIDUA, DUAL MAGNUM, AND WARRANT PROGRAMS - I															
Trial ID:		PE-01-13		Study Dir.:											
Location:		PONDER FARM		Investigator:		Eric P. Prostko									
Weed Code							-----	AMAPA	-----	-----	AMAPA	ANNUAL			
Crop Code							ARAHY	-----	ARAHY	ARAHY	-----	GRASS			
Part Rated							PLANT -		PLANT -	LEAF -					
Rating Data Type							STUNTING	CONTROL	STUNTING	BURN	CONTROL	CONTROL			
Rating Unit							PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT			
Rating Date							May-15-13	May-15-13	May-28-13	May-28-13	May-28-13	May-28-13			
PRM Data Type															
# Subsamples, Dec.															
Trt	Treatment	Form	Form	Rate	Grow	Appl									
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3	4	5	6	
1	NTC						101		0.0	0.0	0.0	0.0	0.0	0.0	
							203		0.0	0.0	0.0	0.0	0.0	0.0	
							307		0.0	0.0	0.0	0.0	0.0	0.0	
							411		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	VALOR SX	51	WG	3.0	oz/a	PRE	A	102	50.0	99.0	50.0	0.0	99.0	99.0	
		ZIDUA	85	WG	1.5	oz/a	PRE	A	208	50.0	99.0	50.0	0.0	99.0	99.0
		CADRE	2	AS	4.0	oz/a	POST	C	306	40.0	99.0	30.0	0.0	99.0	90.0
		ZIDUA	85	WG	1.5	oz/a	POST	C	409	60.0	99.0	35.0	0.0	99.0	99.0
		COC			1.0	% v/v	POST	C							
						Mean =		50.0	99.0	41.3	0.0	99.0	96.8		
3	VALOR SX	51	WG	3.0	oz/a	PRE	A	103	60.0	99.0	40.0	0.0	99.0	99.0	
		ZIDUA	85	WG	1.5	oz/a	PRE	A	201	50.0	99.0	35.0	0.0	99.0	99.0
		COBRA	2	EC	12.5	oz/a	POST	C	304	50.0	99.0	45.0	0.0	99.0	99.0
		ZIDUA	85	WG	1.5	oz/a	POST	C	410	40.0	99.0	35.0	0.0	99.0	99.0
		COC			1.0	% v/v	POST	C							
						Mean =		50.0	99.0	38.8	0.0	99.0	99.0		
4	VALOR SX	51	WG	3.0	oz/a	PRE	A	104	20.0	99.0	15.0	0.0	99.0	85.0	
		DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE	A	202	10.0	99.0	20.0	10.0	99.0	99.0
		CADRE	2	AS	4.0	oz/a	POST	C	301	15.0	99.0	10.0	10.0	99.0	99.0
		DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	C	402	15.0	99.0	10.0	0.0	99.0	95.0
								Mean =		15.0	99.0	13.8	5.0	99.0	94.5
5	VALOR SX	51	WG	3.0	oz/a	PRE	A	105	20.0	99.0	25.0	0.0	99.0	99.0	
		DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE	A	210	30.0	99.0	30.0	0.0	99.0	99.0
		COBRA	2	EC	12.5	oz/a	POST	C	305	20.0	99.0	10.0	0.0	99.0	99.0
		DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	C	407	15.0	99.0	10.0	0.0	99.0	99.0
								Mean =		21.3	99.0	18.8	0.0	99.0	99.0
6	VALOR SX	51	WG	3.0	oz/a	PRE	A	106	5.0	99.0	10.0	0.0	99.0	65.0	
		WARRANT	3	ME	48.0	oz/a	PRE	A	209	0.0	99.0	30.0	0.0	99.0	99.0
		CADRE	2	AS	4.0	oz/a	POST	C	309	5.0	99.0	10.0	0.0	99.0	95.0
		WARRANT	3	ME	48.0	oz/a	POST	C	401	5.0	99.0	20.0	10.0	99.0	95.0
		COC			1.0	% v/v	POST	C							
						Mean =		3.8	99.0	17.5	2.5	99.0	88.5		
7	VALOR SX	51	WG	3.0	oz/a	PRE	A	107	20.0	99.0	30.0	0.0	99.0	65.0	
		WARRANT	3	ME	48.0	oz/a	PRE	A	204	0.0	99.0	20.0	0.0	99.0	90.0
		COBRA	2	EC	12.5	oz/a	POST	C	308	15.0	99.0	25.0	0.0	99.0	99.0
		WARRANT	3	ME	48.0	oz/a	POST	C	403	10.0	99.0	10.0	0.0	99.0	85.0
		COC			1.0	% v/v	POST	C							
						Mean =		11.3	99.0	21.3	0.0	99.0	84.8		
8	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	108	20.0	99.0	10.0	0.0	99.0	99.0	
		VALOR SX	51	WG	3.0	oz/a	PRE	A	206	10.0	99.0	10.0	0.0	99.0	95.0
		STRONGARM	85	WG	0.23	oz/a	PRE	A	311	10.0	99.0	20.0	0.0	99.0	95.0
		CADRE	2	AS	4.0	oz/a	POST	C	406	10.0	99.0	10.0	0.0	99.0	99.0
		DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	C							
						Mean =		12.5	99.0	12.5	0.0	99.0	97.0		
9	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	109	20.0	99.0	15.0	0.0	99.0	99.0	
		VALOR SX	51	WG	3.0	oz/a	PRE	A	211	10.0	99.0	15.0	0.0	99.0	95.0
		STRONGARM	85	WG	0.23	oz/a	PRE	A	302	10.0	99.0	20.0	10.0	99.0	99.0
		COBRA	2	EC	12.5	oz/a	POST	C	405	10.0	99.0	20.0	0.0	99.0	99.0
		DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	C							
						Mean =		12.5	99.0	17.5	2.5	99.0	98.0		
10	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	110	10.0	99.0	0.0	0.0	99.0	99.0	
		GRAMOXONE SL	2	SL	12.0	oz/a	EPOST	B	205	5.0	99.0	5.0	0.0	99.0	99.0
		STORM	4	SL	16.0	oz/a	EPOST	B	303	0.0	99.0	10.0	0.0	99.0	95.0
		DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	B	408	0.0	85.0	0.0	0.0	99.0	99.0
		CADRE	2	AS	4.0	oz/a	POST	C							
						Mean =		3.8	95.5	3.8	0.0	99.0	98.0		

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Weed Code							----- ARAHY PLANT - STUNTING PERCENT May-15-13	AMAPA ----- CONTROL PERCENT May-15-13	----- ARAHY PLANT - STUNTING PERCENT May-28-13	----- ARAHY LEAF - BURN PERCENT May-28-13	AMAPA ----- CONTROL PERCENT May-28-13	ANNUAL GRASS CONTROL PERCENT May-28-13
Crop Code												
Part Rated												
Rating Data Type												
Rating Unit												
Rating Date												
PRM Data Type												
# Subsamples, Dec.												
Trt Treatment	Form Form	Rate	Grow	Appl								
No. Name	Conc Type	Rate Unit	Stg	Code Plot			1	2	3	4	5	6
11 PROWL H20	3.8 SC	32.0 oz/a	PRE	A 111			15.0	99.0	5.0	0.0	99.0	99.0
GRAMOXONE SL	2 SL	12.0 oz/a	EPOST	B 207			15.0	99.0	0.0	0.0	99.0	99.0
STORM	4 SL	16.0 oz/a	EPOST	B 310			0.0	99.0	0.0	0.0	99.0	99.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	EPOST	B 404			0.0	90.0	0.0	0.0	99.0	99.0
COBRA	2 EC	12.5 oz/a	POST	C								
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	C								
Mean =							7.5	96.8	1.3	0.0	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.						----- ARAHY PLANT - STUNTING PERCENT Jun-11-13	AMAPA ----- CONTROL PERCENT Jun-11-13	ANNUAL GRASS CONTROL PERCENT Jun-11-13	----- ARAHY PLANT - STUNTING PERCENT Jun-25-13	----- ARAHY LEAF - BURN PERCENT Jun-25-13	AMAPA ----- CONTROL PERCENT Jun-25-13
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
					203	0.0	0.0	0.0	0.0	0.0	0.0
					307	0.0	0.0	0.0	0.0	0.0	0.0
					411	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 VALOR SX	51 WG	3.0 oz/a	PRE	A	102	45.0	99.0	99.0	25.0	0.0	99.0
ZIDUA	85 WG	1.5 oz/a	PRE	A	208	50.0	99.0	99.0	40.0	0.0	99.0
CADRE	2 AS	4.0 oz/a	POST	C	306	35.0	99.0	95.0	15.0	0.0	99.0
ZIDUA	85 WG	1.5 oz/a	POST	C	409	20.0	99.0	99.0	15.0	0.0	99.0
COC		1.0 % v/v	POST	C							
					Mean =	37.5	99.0	98.0	23.8	0.0	99.0
3 VALOR SX	51 WG	3.0 oz/a	PRE	A	103	45.0	99.0	95.0	30.0	5.0	99.0
ZIDUA	85 WG	1.5 oz/a	PRE	A	201	30.0	99.0	90.0	10.0	5.0	99.0
COBRA	2 EC	12.5 oz/a	POST	C	304	50.0	99.0	99.0	30.0	5.0	99.0
ZIDUA	85 WG	1.5 oz/a	POST	C	410	25.0	99.0	99.0	15.0	5.0	99.0
COC		1.0 % v/v	POST	C							
					Mean =	37.5	99.0	95.8	21.3	5.0	99.0
4 VALOR SX	51 WG	3.0 oz/a	PRE	A	104	10.0	99.0	75.0	10.0	0.0	99.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A	202	5.0	99.0	90.0	0.0	0.0	99.0
CADRE	2 AS	4.0 oz/a	POST	C	301	0.0	99.0	99.0	0.0	0.0	99.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	C	402	5.0	99.0	75.0	5.0	0.0	99.0
					Mean =	5.0	99.0	84.8	3.8	0.0	99.0
5 VALOR SX	51 WG	3.0 oz/a	PRE	A	105	10.0	99.0	90.0	5.0	5.0	99.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A	210	20.0	99.0	99.0	10.0	5.0	99.0
COBRA	2 EC	12.5 oz/a	POST	C	305	5.0	99.0	99.0	0.0	5.0	99.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	C	407	0.0	99.0	99.0	0.0	5.0	99.0
					Mean =	8.8	99.0	96.8	3.8	5.0	99.0
6 VALOR SX	51 WG	3.0 oz/a	PRE	A	106	0.0	99.0	65.0	0.0	0.0	99.0
WARRANT	3 ME	48.0 oz/a	PRE	A	209	5.0	99.0	95.0	5.0	0.0	99.0
CADRE	2 AS	4.0 oz/a	POST	C	309	5.0	99.0	99.0	0.0	0.0	99.0
WARRANT	3 ME	48.0 oz/a	POST	C	401	0.0	99.0	70.0	0.0	0.0	99.0
COC		1.0 % v/v	POST	C							
					Mean =	2.5	99.0	82.3	1.3	0.0	99.0
7 VALOR SX	51 WG	3.0 oz/a	PRE	A	107	10.0	99.0	65.0	5.0	5.0	99.0
WARRANT	3 ME	48.0 oz/a	PRE	A	204	10.0	99.0	75.0	0.0	5.0	99.0
COBRA	2 EC	12.5 oz/a	POST	C	308	10.0	99.0	99.0	0.0	5.0	99.0
WARRANT	3 ME	48.0 oz/a	POST	C	403	5.0	99.0	75.0	5.0	5.0	99.0
COC		1.0 % v/v	POST	C							
					Mean =	8.8	99.0	78.5	2.5	5.0	99.0
8 PROWL H20	3.8 SC	32.0 oz/a	PRE	A	108	0.0	99.0	99.0	0.0	0.0	99.0
VALOR SX	51 WG	3.0 oz/a	PRE	A	206	0.0	99.0	90.0	0.0	0.0	99.0
STRONGARM	85 WG	0.23 oz/a	PRE	A	311	0.0	99.0	99.0	0.0	0.0	99.0
CADRE	2 AS	4.0 oz/a	POST	C	406	0.0	99.0	99.0	0.0	0.0	99.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	C							
					Mean =	0.0	99.0	96.8	0.0	0.0	99.0
9 PROWL H20	3.8 SC	32.0 oz/a	PRE	A	109	0.0	99.0	99.0	0.0	5.0	99.0
VALOR SX	51 WG	3.0 oz/a	PRE	A	211	0.0	99.0	90.0	0.0	5.0	99.0
STRONGARM	85 WG	0.23 oz/a	PRE	A	302	0.0	99.0	99.0	5.0	5.0	99.0
COBRA	2 EC	12.5 oz/a	POST	C	405	0.0	99.0	99.0	0.0	5.0	99.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	C							
					Mean =	0.0	99.0	96.8	1.3	5.0	99.0
10 PROWL H20	3.8 SC	32.0 oz/a	PRE	A	110	5.0	99.0	99.0	10.0	0.0	99.0
GRAMOXONE SL	2 SL	12.0 oz/a	EPOST	B	205	5.0	99.0	99.0	5.0	0.0	99.0
STORM	4 SL	16.0 oz/a	EPOST	B	303	0.0	99.0	99.0	0.0	0.0	99.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	EPOST	B	408	0.0	99.0	99.0	0.0	0.0	99.0
CADRE	2 AS	4.0 oz/a	POST	C							
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	C							
					Mean =	2.5	99.0	99.0	3.8	0.0	99.0

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Weed Code								----- ARAHY PLANT - STUNTING PERCENT Jun-11-13	AMAPA ----- CONTROL PERCENT Jun-11-13	ANNUAL GRASS CONTROL PERCENT Jun-11-13	----- ARAHY PLANT - STUNTING PERCENT Jun-25-13	----- ARAHY LEAF - BURN PERCENT Jun-25-13	AMAPA ----- CONTROL PERCENT Jun-25-13
Crop Code													
Part Rated													
Rating Data Type													
Rating Unit													
Rating Date													
PRM Data Type													
# Subsamples, Dec.													
Trt Treatment	Form Form	Rate	Grow	Appl									
No. Name	Conc Type	Rate Unit	Stg	Code Plot				7	8	9	10	11	12
11 PROWL H20	3.8 SC	32.0 oz/a	PRE	A 111				5.0	99.0	99.0	5.0	5.0	99.0
GRAMOXONE SL	2 SL	12.0 oz/a	EPOST	B 207				10.0	99.0	90.0	5.0	5.0	99.0
STORM	4 SL	16.0 oz/a	EPOST	B 310				5.0	99.0	99.0	5.0	5.0	99.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	EPOST	B 404				0.0	99.0	99.0	0.0	5.0	99.0
COBRA	2 EC	12.5 oz/a	POST	C									
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	C									
Mean =								5.0	99.0	96.8	3.8	5.0	99.0

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.							ANNUAL GRASS	----- ARAHY PLOT - YIELD LBS/PLOT Sep-30-13	----- ARAHY PLOT - YIELD LBS/A Sep-30-13 TY1 - 0
Trt Treatment	Form Form	Rate	Grow	Appl					
No. Name	Conc Type Rate Unit Stg	Code Plot					13	14	15
1 NTC		101					0.0	0.00	0
		203					0.0	0.00	0
		307					0.0	0.00	0
		411					0.0	0.00	0
		Mean =					0.0	0.00	0
2 VALOR SX	51 WG	3.0 oz/a	PRE	A	102		99.0	16.20	4506
ZIDUA	85 WG	1.5 oz/a	PRE	A	208		99.0	14.30	3977
CADRE	2 AS	4.0 oz/a	POST	C	306		99.0	18.10	5034
ZIDUA	85 WG	1.5 oz/a	POST	C	409		99.0	17.45	4854
COC		1.0 % v/v	POST	C					
		Mean =					99.0	16.51	4593
3 VALOR SX	51 WG	3.0 oz/a	PRE	A	103		50.0	18.75	5215
ZIDUA	85 WG	1.5 oz/a	PRE	A	201		85.0	17.05	4742
COBRA	2 EC	12.5 oz/a	POST	C	304		99.0	16.75	4659
ZIDUA	85 WG	1.5 oz/a	POST	C	410		99.0	16.25	4520
COC		1.0 % v/v	POST	C					
		Mean =					83.3	17.20	4784
4 VALOR SX	51 WG	3.0 oz/a	PRE	A	104		65.0	20.55	5716
DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A	202		95.0	20.35	5660
CADRE	2 AS	4.0 oz/a	POST	C	301		99.0	18.65	5187
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	C	402		85.0	19.00	5285
		Mean =					86.0	19.64	5462
5 VALOR SX	51 WG	3.0 oz/a	PRE	A	105		55.0	21.50	5980
DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A	210		99.0	20.50	5702
COBRA	2 EC	12.5 oz/a	POST	C	305		99.0	19.70	5479
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	C	407		99.0	19.85	5521
		Mean =					88.0	20.39	5671
6 VALOR SX	51 WG	3.0 oz/a	PRE	A	106		50.0	22.45	6244
WARRANT	3 ME	48.0 oz/a	PRE	A	209		99.0	20.90	5813
CADRE	2 AS	4.0 oz/a	POST	C	309		95.0	20.70	5757
WARRANT	3 ME	48.0 oz/a	POST	C	401		90.0	20.30	5646
COC		1.0 % v/v	POST	C					
		Mean =					83.5	21.09	5865
7 VALOR SX	51 WG	3.0 oz/a	PRE	A	107		30.0	19.30	5368
WARRANT	3 ME	48.0 oz/a	PRE	A	204		75.0	19.55	5438
COBRA	2 EC	12.5 oz/a	POST	C	308		99.0	19.80	5507
WARRANT	3 ME	48.0 oz/a	POST	C	403		75.0	16.35	4548
COC		1.0 % v/v	POST	C					
		Mean =					69.8	18.75	5215
8 PROWL H20	3.8 SC	32.0 oz/a	PRE	A	108		99.0	21.45	5966
VALOR SX	51 WG	3.0 oz/a	PRE	A	206		95.0	16.45	4575
STRONGARM	85 WG	0.23 oz/a	PRE	A	311		99.0	19.20	5340
CADRE	2 AS	4.0 oz/a	POST	C	406		99.0	18.50	5146
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	C					
		Mean =					98.0	18.90	5257
9 PROWL H20	3.8 SC	32.0 oz/a	PRE	A	109		99.0	21.35	5938
VALOR SX	51 WG	3.0 oz/a	PRE	A	211		85.0	19.85	5521
STRONGARM	85 WG	0.23 oz/a	PRE	A	302		99.0	16.80	4673
COBRA	2 EC	12.5 oz/a	POST	C	405		99.0	20.25	5632
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	C					
		Mean =					95.5	19.56	5441
10 PROWL H20	3.8 SC	32.0 oz/a	PRE	A	110		99.0	20.35	5660
GRAMOXONE SL	2 SL	12.0 oz/a	EPOST	B	205		99.0	21.30	5924
STORM	4 SL	16.0 oz/a	EPOST	B	303		99.0	17.50	4867
DUAL MAGNUM	7.62 EC	16.0 oz/a	EPOST	B	408		99.0	20.60	5730
CADRE	2 AS	4.0 oz/a	POST	C					
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST	C					
		Mean =					99.0	19.94	5545

Weed Code							ANNUAL	-----	-----
Crop Code							GRASS	ARAHY	ARAHY
Part Rated								PLOT -	PLOT -
Rating Data Type							CONTROL	YIELD	YIELD
Rating Unit							PERCENT	LBS/PLOT	LBS/A
Rating Date							Jun-25-13	Sep-30-13	Sep-30-13
PRM Data Type									TY1
# Subsamples, Dec.								- 2	- 0
Trt Treatment	Form	Form	Rate	Grow	Appl				
No. Name	Conc	Type	Rate Unit	Stg	Code Plot	13	14	15	
11 PROWL H20	3.8	SC	32.0 oz/a	PRE	A 111	99.0	20.10	5591	
GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B 207	99.0	16.90	4701	
STORM	4	SL	16.0 oz/a	EPOST	B 310	95.0	18.40	5118	
DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B 404	99.0	18.01*	5009*	
COBRA	2	EC	12.5 oz/a	POST	C				
DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C				
					Mean =	98.0	18.35	5105	

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WEED CONTROL IN PEANUT WITH ZIDUA, DUAL MAGNUM,
AND WARRANT PROGRAMS - I

Trial ID: PE-01-13 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code

AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.

Part Rated

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

LEAF = LEAF / FOLIAGE

PRM Data Type

TY1 = 278.1387*[14]