

# University of Georgia

## ZIDUA WEED CONTROL PROGRAMS FOR PEANUT

Trial ID: PE-19-15      Study Dir.: LARRY NEWSOME/CLAY OWEN  
 Location: ATTAPULGUS      Investigator: Eric P. Prostko

Reps: 4      Plots: 6 by 20 feet  
 Spray vol: 15 GAL/AC      Mix Size: 1.5 liters (calculated mix size .62569)

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	207	309	408
2	ZIDUA	85	WG	2.0	oz/a	EPOST	B	1.498 g/mx	102	206	307	405
	GRAMOXONE SL	2	SL	12.0	oz/a	EPOST	B	9.374 ml/mx				
	STORM	4	SL	24.0	oz/a	EPOST	B	18.75 ml/mx				
	NIS			0.25	% v/v	EPOST	B	3.75 ml/mx				
3	PROWL H20	3.8	SC	25.3	oz/a	PRE	A	19.76 ml/mx	103	205	306	409
	ZIDUA	85	WG	2.0	oz/a	EPOST	B	1.498 g/mx				
	GRAMOXONE SL	2	SL	12.0	oz/a	EPOST	B	9.374 ml/mx				
	STORM	4	SL	24.0	oz/a	EPOST	B	18.75 ml/mx				
	NIS			0.25	% v/v	EPOST	B	3.75 ml/mx				
4	VALOR SX	51	WG	3.0	oz/a	PRE	A	2.247 g/mx	104	212	305	410
	ZIDUA	85	WG	2.0	oz/a	EPOST	B	1.498 g/mx				
	GRAMOXONE SL	2	SL	12.0	oz/a	EPOST	B	9.374 ml/mx				
	STORM	4	SL	24.0	oz/a	EPOST	B	18.75 ml/mx				
	NIS			0.25	% v/v	EPOST	B	3.75 ml/mx				
	CADRE	2	AS	4.0	oz/a	POST	C	3.125 ml/mx				
	NIS			0.25	% v/v	POST	C	3.75 ml/mx				
5	PROWL H20	3.8	SC	25.3	oz/a	PRE	A	19.76 ml/mx	105	203	302	404
	ZIDUA	85	WG	2.0	oz/a	EPOST	B	1.498 g/mx				
	GRAMOXONE SL	2	SL	12.0	oz/a	EPOST	B	9.374 ml/mx				
	STORM	4	SL	24.0	oz/a	EPOST	B	18.75 ml/mx				
	NIS			0.25	% v/v	EPOST	B	3.75 ml/mx				
	CADRE	2	AS	4.0	oz/a	POST	C	3.125 ml/mx				
	NIS			0.25	% v/v	POST	C	3.75 ml/mx				
6	PROWL H20	3.8	SC	25.3	oz/a	PRE	A	19.76 ml/mx	106	210	301	411
	STRONGARM	84	WG	0.45	oz/a	PRE	A	0.337 g/mx				
	ZIDUA	85	WG	2.0	oz/a	EPOST	B	1.498 g/mx				
	GRAMOXONE SL	2	SL	12.0	oz/a	EPOST	B	9.374 ml/mx				
	STORM	4	SL	24.0	oz/a	EPOST	B	18.75 ml/mx				
	NIS			0.25	% v/v	EPOST	B	3.75 ml/mx				
	CADRE	2	AS	4.0	oz/a	POST	C	3.125 ml/mx				
NIS			0.25	% v/v	POST	C	3.75 ml/mx					
7	PROWL H20	3.8	SC	25.3	oz/a	PRE	A	19.76 ml/mx	107	211	304	402
	STRONGARM	84	WG	0.45	oz/a	PRE	A	0.337 g/mx				
	ZIDUA	85	WG	2.0	oz/a	EPOST	B	1.498 g/mx				
	GRAMOXONE SL	2	SL	12.0	oz/a	EPOST	B	9.374 ml/mx				
	STORM	4	SL	24.0	oz/a	EPOST	B	18.75 ml/mx				
	NIS			0.25	% v/v	EPOST	B	3.75 ml/mx				
	CADRE	2	AS	4.0	oz/a	POST	C	3.125 ml/mx				
	ZIDUA	85	WG	2.0	oz/a	POST	C	1.498 g/mx				
NIS			0.25	% v/v	POST	C	3.75 ml/mx					
8	PROWL H20	3.8	SC	25.3	oz/a	PRE	A	19.76 ml/mx	108	202	312	403
	STRONGARM	84	WG	0.45	oz/a	PRE	A	0.337 g/mx				
	ZIDUA	85	WG	2.0	oz/a	EPOST	B	1.498 g/mx				
	GRAMOXONE SL	2	SL	12.0	oz/a	EPOST	B	9.374 ml/mx				
	STORM	4	SL	24.0	oz/a	EPOST	B	18.75 ml/mx				
	NIS			0.25	% v/v	EPOST	B	3.75 ml/mx				
	CADRE	2	AS	4.0	oz/a	POST	C	3.125 ml/mx				
	ZIDUA	85	WG	1.0	oz/a	POST	C	0.7489 g/mx				
NIS			0.25	% v/v	POST	C	3.75 ml/mx					
9	PROWL H20	3.8	SC	25.3	oz/a	PRE	A	19.76 ml/mx	109	204	311	412
	VALOR SX	51	WG	3.0	oz/a	PRE	A	2.247 g/mx				
	STRONGARM	84	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				
	NIS			0.25	% v/v	POST	C	3.75 ml/mx				

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Reps: 4                      Plots: 6 by 20 feet  
 Spray vol: 15 GAL/AC                      Mix Size: 1.5 liters (calculated mix size .62569)

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Rep 1	2	3	4
10	PROWL H2O	3.8	SC	25.3 oz/a	PRE	A	19.76 ml/mx	110	208	310	407
	VALOR SX	51	WG	3.0 oz/a	PRE	A	2.247 g/mx				
	STRONGARM	84	WG	0.23 oz/a	PRE	A	0.1722 g/mx				
	ZIDUA	85	WG	2.0 oz/a	EPOST	B	1.498 g/mx				
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B	9.374 ml/mx				
	STORM	4	SL	24.0 oz/a	EPOST	B	18.75 ml/mx				
	NIS			0.25 % v/v	EPOST	B	3.75 ml/mx				
	CADRE	2	AS	4.0 oz/a	POST	C	3.125 ml/mx				
	ZIDUA	85	WG	2.0 oz/a	POST	C	1.498 g/mx				
NIS			0.25 % v/v	POST	C	3.75 ml/mx					
11	SONALAN	3	EC	32.0 oz/a	PRE	A	25.0 ml/mx	111	209	303	401
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B	9.374 ml/mx				
	BASAGRAN	4	SL	8.0 oz/a	EPOST	B	6.249 ml/mx				
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B	12.5 ml/mx				
	ULTRA BLAZER	2	SL	24.0 oz/a	POST	C	18.75 ml/mx				
	WARRANT	3	SC	48.0 oz/a	POST	C	37.5 ml/mx				
	2,4-DB	1.75	SL	16.0 oz/a	POST	C	12.5 ml/mx				
	NIS			0.25 % v/v	POST	C	3.75 ml/mx				
12	SONALAN	3	EC	32.0 oz/a	PRE	A	25.0 ml/mx	112	201	308	406
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B	9.374 ml/mx				
	BROADLOOM	4	SL	8.0 oz/a	EPOST	B	6.249 ml/mx				
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B	12.5 ml/mx				
	ULTRA BLAZER	2	SL	24.0 oz/a	POST	C	18.75 ml/mx				
	WARRANT	3	SC	48.0 oz/a	POST	C	37.5 ml/mx				
	2,4-DB	1.75	SL	16.0 oz/a	POST	C	12.5 ml/mx				
	NIS			0.25 % v/v	POST	C	3.75 ml/mx				

Sort Order: Treatment

Trial Comments
<p>ANNUAL GRASS = MIXTURE OF TEXAS PANICUM + CRABGRASS + GOOSEGRASS + CROWFOOTGRASS</p> <p>YIELD DATA WAS NO COLLECTED DUE TO INCLEMENT WEATHER, CROW/DEER DAMAGE AT HARVEST.</p> <p><b><u>SUMMARY:</u></b></p> <p>1) PRE APPLICATIONS OF VALOR CAUSED EARLY SEASON PEANUT STUNTING.</p> <p>2) PALMER AMARANTH CONTROL WITH PRE APPLICATIONS OF PROWL, SONALAN, OR PROWL + VALOR WAS EXCELLENT (95%+) 20 DAT</p> <p><b>3) ON JUNE 2, 12 DAYS AFTER THE EPOST APPLICATIONS, THE FOLLOWING OBSERVATIONS WERE MADE:</b></p> <p>A) PALMER AMARANTH AND ANNUAL GRASS CONTROL EXCEEDED 94% WITH ALL TREATMENTS.</p> <p>B) SICKLEPOD CONTROL WAS REDUCED WHEN GRAMOXONE + BASAGRAN OR BROADLOOM + DUAL MAGNUM WAS APPLIED COMPARED TO ZIDUA + GRAMOXONE + STORM TREATMENTS.</p> <p>C) NO DIFFERENCES IN WEED CONTROL OBSERVED BETWEEN BASAGRAN AND BROADLOOM TREATMENTS.</p> <p><b>4) ON AUGUST 12, 64 DAYS AFTER THE POST TREATMENTS WERE APPLIED, THE FOLLOWING OBSERVATIONS WERE MADE:</b></p> <p>A) ALL TREATMENTS PROVIDED &gt; 94% CONTROL OF PALMER AMARANTH.</p> <p>B) ANNUAL GRASS CONTROL WAS &gt; 93% WITH ALL TREATMENTS EXCEPT THE FOLLOWING:</p> <p>ZIDUA + GRAMOXONE + STORM = 56% CONTROL                      SONALAN FB GRAMOXONE + BASAGRAN + DUAL MAGNUM FB ULTRA BLAZER + WARRANT + DB = 79% CONTROL                      SONALAN FB GRAMOXONE + BROADLOOM + DUAL MAGNUM FB ULTRA BLAZER + WARRANT + DB = 68% CONTROL</p> <p>C) SICKLEPOD CONTROL EXCEEDED 94% WITH ALL TREATMENTS EXCEPT THE FOLLOWING:</p>

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ZIDUA + GRAMOXONE + STORM = 0% CONTROL

PROWL FB ZIDUA + GRAMOXONE + STORM = 61% CONTROL

SONALAN FB GRAMOXONE + BASAGRAN + DUAL MAGNUM FB ULTRA BLAZER + WARRANT + DB = 20% CONTROL

SONALAN FB GRAMOXONE + BROADLOOM + DUAL MAGNUM FB ULTRA BLAZER + WARRANT + DB = 51% CONTROL

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## ZIDUA WEED CONTROL PROGRAMS FOR PEANUT

Trial ID: PE-19-15      Study Dir.: LARRY NEWSOME/CLAY OWEN  
 Location: ATTAPULGUS      Investigator: Eric P. Prostko

### GENERAL TRIAL INFORMATION

**Study Director:** LARRY NEWSOME/CLAY OWEN      **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.** AGRASS      PANTE+ CRAB + GOOSE + CROW  
**Weed 3.** CASOB SICKLEPOD      **4.** CYPSP      YELLOW+PURPLE NUTSEDGE

**Crop 1:** ARAHY      **PEANUT**      **Variety:** GA-06G      **Planting Date:** May-4-15  
**Planting Method:** MONOSEM      **Rate:** 6      SEED/FT      **Depth:** 2.0 IN  
**Perennial Age:** \_\_\_\_\_      **Row Spacing:** 36      IN      **Seed Bed:** \_\_\_\_\_  
**Soil Temperature:** \_\_\_\_\_      **Soil Moisture:** OPTIMUM      **Emergence Date:** \_\_\_\_\_

**Plot Width, Unit:** 6      FT      **Plot Length, Unit:** 20      FT      **Reps:** 4  
**Site Type:** \_\_\_\_\_  
**Tillage Type:** CONVENTIONAL      **Study Design:** RACOBL  
**Trial Initiation Comments:** THIMET INFR @ 5 LBS/A

<b>Previous: Crops</b>	<b>Pesticides</b>	<b>Year</b>
1. FIELD CORN	2014	_____

### MAINTENANCE

**Field Prep./Maintenance:** \_\_\_\_\_

	Form	Form	Form	Rate				
<b>No.</b>	<b>Date</b>	<b>Treatment Name</b>	<b>Conc</b>	<b>Unit</b>	<b>Type</b>	<b>Rate</b>	<b>Unit</b>	
1.	_____	_____	_____	_____	_____	_____	_____	_____

### SOIL DESCRIPTION

**Texture:** LOAMY SAND      **% OM:** 1.0      **% Sand:** 84      **% Silt:** 6      **% Clay:** 10  
**pH:** 6.0      **CEC:** \_\_\_\_\_      **Soil Name:** ORANGEBURG      **Fertility Level:** GOOD

### MOISTURE CONDITIONS

<b>On: Date</b>	<b>Time</b>	<b>Amount</b>	<b>Unit</b>	<b>Type</b>	<b>Interval</b>	<b>Unit</b>
1. May-8-15	_____	0.5	IN	SPRINKLER - CENTER PIVOT	_____	_____
2. May-13-15	_____	_____	_____	SPRINKLER - CENTER PIVOT	_____	_____

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

### APPLICATION DESCRIPTION

	A	B	C	D	E	F
<b>Application Date:</b>	May-5-15	May-21-15	Jun-9-15	_____	_____	_____
<b>Time of Day:</b>	9:00 AM	8:00 AM	8:45 AM	_____	_____	_____
<b>Application Method:</b>	BROADCAST	BROADCAST	BROADCAST	_____	_____	_____
<b>Application Timing:</b>	PRE	EPOST	POST	_____	_____	_____
<b>Applic. Placement:</b>	SOIL	FOLIAGE	FOLIAGE	_____	_____	_____
<b>Air Temp., Unit:</b>	79      F	75      F	79      F	_____	_____	_____
<b>% Relative Humidity:</b>	53	71	89	_____	_____	_____
<b>Wind Velocity, Unit:</b>	2      MPH	1      MPH	1      MPH	_____	_____	_____
<b>Dew Presence (Y/N):</b>	N	N	Y	_____	_____	_____
<b>Water Hardness:</b>	---	---	---	_____	_____	_____
<b>Soil Temp., Unit:</b>	69      F	71      F	78      F	_____	_____	_____
<b>Soil Moisture:</b>	OPTIMUM	OPTIMUM	OPTIMUM	_____	_____	_____
<b>% Cloud Cover:</b>	10	20	95	_____	_____	_____

### CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
<b>Crop 1    Stage:</b> ARAHY	_____	5" WIDE	8" WIDE	_____	_____	_____
<b>Stage Scale:</b>	_____	V3-V4	R1	_____	_____	_____
<b>Height, Unit:</b>	_____	3      IN	6      IN	_____	_____	_____

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		WEED STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Weed 1	Stage: AMAPA		1-2" TALL				
Stage Scale:		_____	_____	_____	_____	_____	_____
Density, Unit:		_____	_____	_____	_____	_____	_____
Weed 2	Stage: AGRASS		1-3" TALL	2-4" TALL			
Stage Scale:		_____	_____	_____	_____	_____	_____
Density, Unit:		_____	_____	_____	_____	_____	_____
Weed 3	Stage: CASOB		2" TALL	2-6" TALL			
Stage Scale:		_____	_____	_____	_____	_____	_____
Density, Unit:		_____	_____	_____	_____	_____	_____
Weed 4	Stage: CYPSP		3-4"	4-6"			
Stage Scale:		_____	_____	_____	_____	_____	_____
Density, Unit:		_____	_____	_____	_____	_____	_____

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	BACKPACK	BACKPACK	SAME AS B			
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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## ZIDUA WEED CONTROL PROGRAMS FOR PEANUT

Trial ID: PE-19-15      Study Dir.: LARRY NEWSOME/CLAY OWEN  
 Location: ATTAPULGUS      Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date					----- ARAHY PLANT - STUNTING PERCENT May-20-15	AMAPA ----- CONTROL PERCENT May-20-15	ANNUAL GRASS CONTROL PERCENT May-20-15	AMAPA ----- CONTROL PERCENT Jun-2-15	ANNUAL GRASS CONTROL PERCENT Jun-2-15	CASOB ----- CONTROL PERCENT Jun-2-15		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6
1	NTC						0.0 b	0.0 c	0.0 c	0.0 b	0.0 c	0.0 c
2	ZIDUA	85	WG	2.0 oz/a	EPOST	B	0.0 b	0.0 c	0.0 c	99.0 a	93.3 b	84.8 ab
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B						
	STORM	4	SL	24.0 oz/a	EPOST	B						
	NIS			0.25 % v/v	EPOST	B						
3	PROWL H20	3.8	SC	25.3 oz/a	PRE	A	0.0 b	99.0 a	97.0 a	99.0 a	99.0 a	81.0 ab
	ZIDUA	85	WG	2.0 oz/a	EPOST	B						
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B						
	STORM	4	SL	24.0 oz/a	EPOST	B						
	NIS			0.25 % v/v	EPOST	B						
4	VALOR SX	51	WG	3.0 oz/a	PRE	A	8.8 a	99.0 a	85.0 b	99.0 a	99.0 a	88.5 ab
	ZIDUA	85	WG	2.0 oz/a	EPOST	B						
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B						
	STORM	4	SL	24.0 oz/a	EPOST	B						
	NIS			0.25 % v/v	EPOST	B						
	CADRE	2	AS	4.0 oz/a	POST	C						
	NIS			0.25 % v/v	POST	C						
5	PROWL H20	3.8	SC	25.3 oz/a	PRE	A	2.5 b	99.0 a	96.8 a	99.0 a	99.0 a	88.3 ab
	ZIDUA	85	WG	2.0 oz/a	EPOST	B						
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B						
	STORM	4	SL	24.0 oz/a	EPOST	B						
	NIS			0.25 % v/v	EPOST	B						
	CADRE	2	AS	4.0 oz/a	POST	C						
	NIS			0.25 % v/v	POST	C						
6	PROWL H20	3.8	SC	25.3 oz/a	PRE	A	0.0 b	99.0 a	99.0 a	99.0 a	99.0 a	81.3 ab
	STRONGARM	84	WG	0.45 oz/a	PRE	A						
	ZIDUA	85	WG	2.0 oz/a	EPOST	B						
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B						
	STORM	4	SL	24.0 oz/a	EPOST	B						
	NIS			0.25 % v/v	EPOST	B						
	CADRE	2	AS	4.0 oz/a	POST	C						
	NIS			0.25 % v/v	POST	C						
7	PROWL H20	3.8	SC	25.3 oz/a	PRE	A	2.5 b	99.0 a	94.5 a	99.0 a	99.0 a	93.0 a
	STRONGARM	84	WG	0.45 oz/a	PRE	A						
	ZIDUA	85	WG	2.0 oz/a	EPOST	B						
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B						
	STORM	4	SL	24.0 oz/a	EPOST	B						
	NIS			0.25 % v/v	EPOST	B						
	CADRE	2	AS	4.0 oz/a	POST	C						
	ZIDUA	85	WG	2.0 oz/a	POST	C						
	NIS			0.25 % v/v	POST	C						
8	PROWL H20	3.8	SC	25.3 oz/a	PRE	A	1.3 b	99.0 a	99.0 a	99.0 a	99.0 a	93.3 a
	STRONGARM	84	WG	0.45 oz/a	PRE	A						
	ZIDUA	85	WG	2.0 oz/a	EPOST	B						
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B						
	STORM	4	SL	24.0 oz/a	EPOST	B						
	NIS			0.25 % v/v	EPOST	B						
	CADRE	2	AS	4.0 oz/a	POST	C						
	ZIDUA	85	WG	1.0 oz/a	POST	C						
	NIS			0.25 % v/v	POST	C						
9	PROWL H20	3.8	SC	25.3 oz/a	PRE	A	10.0 a	99.0 a	99.0 a	99.0 a	94.8 b	65.8 b
	VALOR SX	51	WG	3.0 oz/a	PRE	A						
	STRONGARM	84	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						
	NIS			0.25 % v/v	POST	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.  
 Could not calculate LSD (% mean diff) for columns 4 because error mean square = 0.

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Weed Code						-----	AMAPA	ANNUAL	AMAPA	ANNUAL	CASOB	
Crop Code						ARAHY	-----	GRASS	-----	GRASS	-----	
Part Rated						PLANT -						
Rating Data Type						STUNTING	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Unit						PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
Rating Date						May-20-15	May-20-15	May-20-15	Jun-2-15	Jun-2-15	Jun-2-15	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6
10	PROWL H20	3.8	SC	25.3 oz/a	PRE	A	10.0 a	99.0 a	99.0 a	99.0 a	99.0 a	95.5 a
	VALOR SX	51	WG	3.0 oz/a	PRE	A						
	STRONGARM	84	WG	0.23 oz/a	PRE	A						
	ZIDUA	85	WG	2.0 oz/a	EPOST	B						
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B						
	STORM	4	SL	24.0 oz/a	EPOST	B						
	NIS			0.25 % v/v	EPOST	B						
	CADRE	2	AS	4.0 oz/a	POST	C						
	ZIDUA	85	WG	2.0 oz/a	POST	C						
	NIS			0.25 % v/v	POST	C						
11	SONALAN	3	EC	32.0 oz/a	PRE	A	0.0 b	95.5 b	92.0 a	99.0 a	99.0 a	76.3 ab
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B						
	BASAGRAN	4	SL	8.0 oz/a	EPOST	B						
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B						
	ULTRA BLAZER	2	SL	24.0 oz/a	POST	C						
	WARRANT	3	SC	48.0 oz/a	POST	C						
	2,4-DB	1.75	SL	16.0 oz/a	POST	C						
	NIS			0.25 % v/v	POST	C						
12	SONALAN	3	EC	32.0 oz/a	PRE	A	2.5 b	99.0 a	81.3 b	99.0 a	99.0 a	66.3 b
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B						
	BROADLOOM	4	SL	8.0 oz/a	EPOST	B						
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B						
	ULTRA BLAZER	2	SL	24.0 oz/a	POST	C						
	WARRANT	3	SC	48.0 oz/a	POST	C						
	2,4-DB	1.75	SL	16.0 oz/a	POST	C						
	NIS			0.25 % v/v	POST	C						
LSD P=.10							3.91	2.42	6.73	.	2.74	21.54
Standard Deviation							3.27	2.02	5.63	0.00	2.29	18.00
CV							104.52	2.46	7.17	0.0	2.55	23.64
Grand Mean							3.13	82.21	78.54	90.75	89.92	76.15
Bartlett's X2							2.795	0.0	9.345	0.0	1.117	24.87
P(Bartlett's X2)							0.834	.	0.096	.	0.291	0.006*
Replicate F							0.325	1.000	2.920	0.000	0.806	0.819
Replicate Prob(F)							0.8069	0.4051	0.0485	1.0000	0.4995	0.4924
Treatment F							6.124	1445.408	174.174	0.000	615.301	8.280
Treatment Prob(F)							0.0001	0.0001	0.0001	1.0000	0.0001	0.0001

# University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date					CYPSP ----- CONTROL PERCENT Jun-2-15	----- ARAHY PLANT - STUNTING PERCENT Jun-2-15	AMAPA ----- CONTROL PERCENT Jun-24-15	ANNUAL GRASS CONTROL PERCENT Jun-24-15	CASOB ----- CONTROL PERCENT Jun-24-15	AMAPA ----- CONTROL PERCENT Aug-12-15		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	7	8	9	10	11	12
1	NTC						0.0 d	0.0 c	0.0 c	0.0 c	0.0 c	0.0 c
2	ZIDUA	85	WG	2.0 oz/a	EPOST	B	50.0 c	1.3 bc	95.8 b	84.8 b	58.8 b	94.3 b
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B						
	STORM	4	SL	24.0 oz/a	EPOST	B						
	NIS			0.25 % v/v	EPOST	B						
3	PROWL H20	3.8	SC	25.3 oz/a	PRE	A	67.5 abc	1.3 bc	99.0 a	99.0 a	60.0 b	99.0 a
	ZIDUA	85	WG	2.0 oz/a	EPOST	B						
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B						
	STORM	4	SL	24.0 oz/a	EPOST	B						
	NIS			0.25 % v/v	EPOST	B						
4	VALOR SX	51	WG	3.0 oz/a	PRE	A	72.5 abc	10.0 ab	99.0 a	99.0 a	96.8 a	99.0 a
	ZIDUA	85	WG	2.0 oz/a	EPOST	B						
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B						
	STORM	4	SL	24.0 oz/a	EPOST	B						
	NIS			0.25 % v/v	EPOST	B						
	CADRE	2	AS	4.0 oz/a	POST	C						
	NIS			0.25 % v/v	POST	C						
5	PROWL H20	3.8	SC	25.3 oz/a	PRE	A	72.5 abc	0.0 c	99.0 a	99.0 a	98.0 a	99.0 a
	ZIDUA	85	WG	2.0 oz/a	EPOST	B						
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B						
	STORM	4	SL	24.0 oz/a	EPOST	B						
	NIS			0.25 % v/v	EPOST	B						
	CADRE	2	AS	4.0 oz/a	POST	C						
	NIS			0.25 % v/v	POST	C						
6	PROWL H20	3.8	SC	25.3 oz/a	PRE	A	80.0 a	2.5 bc	99.0 a	99.0 a	98.0 a	99.0 a
	STRONGARM	84	WG	0.45 oz/a	PRE	A						
	ZIDUA	85	WG	2.0 oz/a	EPOST	B						
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B						
	STORM	4	SL	24.0 oz/a	EPOST	B						
	NIS			0.25 % v/v	EPOST	B						
	CADRE	2	AS	4.0 oz/a	POST	C						
	NIS			0.25 % v/v	POST	C						
7	PROWL H20	3.8	SC	25.3 oz/a	PRE	A	85.0 a	1.3 bc	99.0 a	99.0 a	95.5 a	99.0 a
	STRONGARM	84	WG	0.45 oz/a	PRE	A						
	ZIDUA	85	WG	2.0 oz/a	EPOST	B						
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B						
	STORM	4	SL	24.0 oz/a	EPOST	B						
	NIS			0.25 % v/v	EPOST	B						
	CADRE	2	AS	4.0 oz/a	POST	C						
	ZIDUA	85	WG	2.0 oz/a	POST	C						
	NIS			0.25 % v/v	POST	C						
8	PROWL H20	3.8	SC	25.3 oz/a	PRE	A	81.3 a	1.3 bc	99.0 a	99.0 a	98.0 a	99.0 a
	STRONGARM	84	WG	0.45 oz/a	PRE	A						
	ZIDUA	85	WG	2.0 oz/a	EPOST	B						
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B						
	STORM	4	SL	24.0 oz/a	EPOST	B						
	NIS			0.25 % v/v	EPOST	B						
	CADRE	2	AS	4.0 oz/a	POST	C						
	ZIDUA	85	WG	1.0 oz/a	POST	C						
	NIS			0.25 % v/v	POST	C						
9	PROWL H20	3.8	SC	25.3 oz/a	PRE	A	75.0 ab	3.8 bc	99.0 a	98.0 a	85.8 a	99.0 a
	VALOR SX	51	WG	3.0 oz/a	PRE	A						
	STRONGARM	84	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						
	NIS			0.25 % v/v	POST	C						



# University of Georgia

Weed Code						CYPSP	-----	AMAPA	ANNUAL	CASOB	AMAPA	
Crop Code						-----	ARAHY	-----	GRASS	-----	-----	
Part Rated							PLANT -					
Rating Data Type						CONTROL	STUNTING	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Unit						PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
Rating Date						Jun-2-15	Jun-2-15	Jun-24-15	Jun-24-15	Jun-24-15	Aug-12-15	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	7	8	9	10	11	12
10	PROWL H20	3.8	SC	25.3 oz/a	PRE	A	66.3 abc	7.5 abc	99.0 a	99.0 a	95.8 a	99.0 a
	VALOR SX	51	WG	3.0 oz/a	PRE	A						
	STRONGARM	84	WG	0.23 oz/a	PRE	A						
	ZIDUA	85	WG	2.0 oz/a	EPOST	B						
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B						
	STORM	4	SL	24.0 oz/a	EPOST	B						
	NIS			0.25 % v/v	EPOST	B						
	CADRE	2	AS	4.0 oz/a	POST	C						
	ZIDUA	85	WG	2.0 oz/a	POST	C						
	NIS			0.25 % v/v	POST	C						
11	SONALAN	3	EC	32.0 oz/a	PRE	A	68.8 abc	5.0 bc	99.0 a	95.8 a	83.5 a	99.0 a
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B						
	BASAGRAN	4	SL	8.0 oz/a	EPOST	B						
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B						
	ULTRA BLAZER	2	SL	24.0 oz/a	POST	C						
	WARRANT	3	SC	48.0 oz/a	POST	C						
	2,4-DB	1.75	SL	16.0 oz/a	POST	C						
	NIS			0.25 % v/v	POST	C						
12	SONALAN	3	EC	32.0 oz/a	PRE	A	53.8 bc	16.3 a	99.0 a	96.0 a	87.0 a	99.0 a
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B						
	BROADLOOM	4	SL	8.0 oz/a	EPOST	B						
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B						
	ULTRA BLAZER	2	SL	24.0 oz/a	POST	C						
	WARRANT	3	SC	48.0 oz/a	POST	C						
	2,4-DB	1.75	SL	16.0 oz/a	POST	C						
	NIS			0.25 % v/v	POST	C						
LSD P=.10							20.53	8.41	1.48	6.19	18.11	3.28
Standard Deviation							17.16	7.03	1.23	5.18	15.14	2.74
CV							26.65	168.63	1.36	5.82	18.98	3.04
Grand Mean							64.38	4.17	90.48	88.96	79.75	90.35
Bartlett's X2							25.239	34.288	0.0	18.225	51.372	0.0
P(Bartlett's X2)							0.003*	0.001*	.	0.001*	0.001*	.
Replicate F							0.267	1.913	1.000	1.436	0.994	1.000
Replicate Prob(F)							0.8490	0.1467	0.4051	0.2499	0.4076	0.4051
Treatment F							7.035	1.941	2137.658	119.644	14.419	431.604
Treatment Prob(F)							0.0001	0.0696	0.0001	0.0001	0.0001	0.0001

## University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date					ANNUAL GRASS	CASOB ----		
					CONTROL PERCENT Aug-12-15	CONTROL PERCENT Aug-12-15		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	13	14
1	NTC						0.0 e	0.0 c
2	ZIDUA	85	WG	2.0 oz/a	EPOST	B	56.0 d	0.0 c
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B		
	STORM	4	SL	24.0 oz/a	EPOST	B		
	NIS			0.25 % v/v	EPOST	B		
3	PROWL H20	3.8	SC	25.3 oz/a	PRE	A	93.5 ab	61.3 b
	ZIDUA	85	WG	2.0 oz/a	EPOST	B		
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B		
	STORM	4	SL	24.0 oz/a	EPOST	B		
	NIS			0.25 % v/v	EPOST	B		
4	VALOR SX	51	WG	3.0 oz/a	PRE	A	97.0 a	96.8 a
	ZIDUA	85	WG	2.0 oz/a	EPOST	B		
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B		
	STORM	4	SL	24.0 oz/a	EPOST	B		
	NIS			0.25 % v/v	EPOST	B		
	CADRE	2	AS	4.0 oz/a	POST	C		
	NIS			0.25 % v/v	POST	C		
5	PROWL H20	3.8	SC	25.3 oz/a	PRE	A	98.0 a	94.5 a
	ZIDUA	85	WG	2.0 oz/a	EPOST	B		
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B		
	STORM	4	SL	24.0 oz/a	EPOST	B		
	NIS			0.25 % v/v	EPOST	B		
	CADRE	2	AS	4.0 oz/a	POST	C		
6	PROWL H20	3.8	SC	25.3 oz/a	PRE	A	99.0 a	99.0 a
	STRONGARM	84	WG	0.45 oz/a	PRE	A		
	ZIDUA	85	WG	2.0 oz/a	EPOST	B		
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B		
	STORM	4	SL	24.0 oz/a	EPOST	B		
	NIS			0.25 % v/v	EPOST	B		
	CADRE	2	AS	4.0 oz/a	POST	C		
	NIS			0.25 % v/v	POST	C		
	NIS			0.25 % v/v	POST	C		
7	PROWL H20	3.8	SC	25.3 oz/a	PRE	A	99.0 a	96.8 a
	STRONGARM	84	WG	0.45 oz/a	PRE	A		
	ZIDUA	85	WG	2.0 oz/a	EPOST	B		
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B		
	STORM	4	SL	24.0 oz/a	EPOST	B		
	NIS			0.25 % v/v	EPOST	B		
	CADRE	2	AS	4.0 oz/a	POST	C		
	ZIDUA	85	WG	2.0 oz/a	POST	C		
	NIS			0.25 % v/v	POST	C		
8	PROWL H20	3.8	SC	25.3 oz/a	PRE	A	99.0 a	99.0 a
	STRONGARM	84	WG	0.45 oz/a	PRE	A		
	ZIDUA	85	WG	2.0 oz/a	EPOST	B		
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B		
	STORM	4	SL	24.0 oz/a	EPOST	B		
	NIS			0.25 % v/v	EPOST	B		
	CADRE	2	AS	4.0 oz/a	POST	C		
	ZIDUA	85	WG	1.0 oz/a	POST	C		
	NIS			0.25 % v/v	POST	C		
9	PROWL H20	3.8	SC	25.3 oz/a	PRE	A	98.0 a	96.8 a
	VALOR SX	51	WG	3.0 oz/a	PRE	A		
	STRONGARM	84	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		
	NIS			0.25 % v/v	POST	C		

# University of Georgia

Weed Code						ANNUAL	CASOB
Crop Code						GRASS	----
Part Rated							
Rating Data Type						CONTROL	CONTROL
Rating Unit						PERCENT	PERCENT
Rating Date						Aug-12-15	Aug-12-15
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	
10	PROWL H20	3.8	SC	25.3 oz/a	PRE	A	13
	VALOR SX	51	WG	3.0 oz/a	PRE	A	14
	STRONGARM	84	WG	0.23 oz/a	PRE	A	
	ZIDUA	85	WG	2.0 oz/a	EPOST	B	
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B	
	STORM	4	SL	24.0 oz/a	EPOST	B	
	NIS			0.25 % v/v	EPOST	B	
	CADRE	2	AS	4.0 oz/a	POST	C	
	ZIDUA	85	WG	2.0 oz/a	POST	C	
	NIS			0.25 % v/v	POST	C	
							99.0 a
							99.0 a
11	SONALAN	3	EC	32.0 oz/a	PRE	A	13
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B	14
	BASAGRAN	4	SL	8.0 oz/a	EPOST	B	
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B	
	ULTRA BLAZER	2	SL	24.0 oz/a	POST	C	
	WARRANT	3	SC	48.0 oz/a	POST	C	
	2,4-DB	1.75	SL	16.0 oz/a	POST	C	
	NIS			0.25 % v/v	POST	C	
							78.8 bc
							20.0 c
12	SONALAN	3	EC	32.0 oz/a	PRE	A	13
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B	14
	BROADLOOM	4	SL	8.0 oz/a	EPOST	B	
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B	
	ULTRA BLAZER	2	SL	24.0 oz/a	POST	C	
	WARRANT	3	SC	48.0 oz/a	POST	C	
	2,4-DB	1.75	SL	16.0 oz/a	POST	C	
	NIS			0.25 % v/v	POST	C	
							67.5 cd
							51.3 b
LSD P=.10							17.06
Standard Deviation							23.20
CV							14.26
Grand Mean							17.37
Bartlett's X2							28.57
P(Bartlett's X2)							67.85
Replicate F							82.06
Replicate Prob(F)							41.269
Treatment F							32.098
Treatment Prob(F)							0.001*
Replicate F							2.647
Replicate Prob(F)							1.948
Treatment F							0.0652
Treatment Prob(F)							0.1411
Treatment F							17.255
Treatment Prob(F)							17.358
Treatment Prob(F)							0.0001
Treatment Prob(F)							0.0001

# University of Georgia

## ZIDUA WEED CONTROL PROGRAMS FOR PEANUT

Trial ID: PE-19-15      Study Dir.: LARRY NEWSOME/CLAY OWEN  
Location: ATTAPULGUS      Investigator: Eric P. Prostko

Weed Code

AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.  
CASOB = SICKLEPOD / CASSIA OBTUSIFOLIA L.

Part Rated

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

# University of Georgia

## ZIDUA WEED CONTROL PROGRAMS FOR PEANUT

Trial ID: PE-19-15      Study Dir.: LARRY NEWSOME/CLAY OWEN  
 Location: ATTAPULGUS      Investigator: Eric P. Prostko

Weed Code			----- ARAHY PLANT -	AMAPA -----	ANNUAL GRASS	AMAPA -----	ANNUAL GRASS	CASOB -----						
Crop Code			STUNTING	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL						
Part Rated			PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT						
Rating Data Type			May-20-15	May-20-15	May-20-15	Jun-2-15	Jun-2-15	Jun-2-15						
Rating Unit														
Rating Date														
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5	6	
1	NTC						101	0.0	0.0	0.0	0.0	0.0	0.0	
							207	0.0	0.0	0.0	0.0	0.0	0.0	
							309	0.0	0.0	0.0	0.0	0.0	0.0	
							408	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	EPOST	B	102	0.0	0.0	0.0	99.0	99.0	80.0	
							206	0.0	0.0	0.0	99.0	99.0	85.0	
							307	0.0	0.0	0.0	99.0	85.0	99.0	
							405	0.0	0.0	0.0	99.0	90.0	75.0	
							Mean =	0.0	0.0	0.0	99.0	93.3	84.8	
3	PROWL H20	3.8	SC	25.3 oz/a	PRE	A	103	0.0	99.0	95.0	99.0	99.0	85.0	
							205	0.0	99.0	99.0	99.0	99.0	50.0	
							306	0.0	99.0	95.0	99.0	99.0	90.0	
							409	0.0	99.0	99.0	99.0	99.0	99.0	
							Mean =	0.0	99.0	97.0	99.0	99.0	81.0	
4	VALOR SX	51	WG	3.0 oz/a	PRE	A	104	10.0	99.0	90.0	99.0	99.0	85.0	
							212	10.0	99.0	90.0	99.0	99.0	90.0	
							305	10.0	99.0	85.0	99.0	99.0	80.0	
							410	5.0	99.0	75.0	99.0	99.0	99.0	
							NIS			0.25 % v/v	EPOST	B		
							CADRE	2	AS	4.0 oz/a	POST	C		
							NIS			0.25 % v/v	POST	C		
					Mean =	8.8	99.0	85.0	99.0	99.0	88.5			
5	PROWL H20	3.8	SC	25.3 oz/a	PRE	A	105	10.0	99.0	99.0	99.0	99.0	99.0	
							203	0.0	99.0	99.0	99.0	99.0	99.0	
							302	0.0	99.0	99.0	99.0	99.0	65.0	
							404	0.0	99.0	90.0	99.0	99.0	90.0	
							NIS			0.25 % v/v	EPOST	B		
							CADRE	2	AS	4.0 oz/a	POST	C		
					NIS			0.25 % v/v	POST	C				
					Mean =	2.5	99.0	96.8	99.0	99.0	88.3			
6	PROWL H20	3.8	SC	25.3 oz/a	PRE	A	106	0.0	99.0	99.0	99.0	99.0	90.0	
							210	0.0	99.0	99.0	99.0	99.0	85.0	
							301	0.0	99.0	99.0	99.0	99.0	75.0	
							411	0.0	99.0	99.0	99.0	99.0	75.0	
							NIS			0.25 % v/v	EPOST	B		
							CADRE	2	AS	4.0 oz/a	POST	C		
							NIS			0.25 % v/v	POST	C		
							Mean =	0.0	99.0	99.0	99.0	99.0	81.3	
7	PROWL H20	3.8	SC	25.3 oz/a	PRE	A	107	10.0	99.0	99.0	99.0	99.0	99.0	
							211	0.0	99.0	99.0	99.0	99.0	99.0	
							304	0.0	99.0	85.0	99.0	99.0	75.0	
							402	0.0	99.0	95.0	99.0	99.0	99.0	
							NIS			0.25 % v/v	EPOST	B		
							CADRE	2	AS	4.0 oz/a	POST	C		
							ZIDUA	85	WG	2.0 oz/a	POST	C		
							NIS			0.25 % v/v	POST	C		
							Mean =	2.5	99.0	94.5	99.0	99.0	93.0	

# University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							----- ARAHY PLANT - STUNTING PERCENT May-20-15	AMAPA ----- CONTROL PERCENT May-20-15	ANNUAL GRASS CONTROL PERCENT May-20-15	AMAPA ----- CONTROL PERCENT Jun-2-15	ANNUAL GRASS CONTROL PERCENT Jun-2-15	CASOB ----- CONTROL PERCENT Jun-2-15
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code Plot	1	2	3	4	5	6
8	PROWL H20	3.8	SC	25.3 oz/a	PRE	A 108	0.0	99.0	99.0	99.0	99.0	99.0
	STRONGARM	84	WG	0.45 oz/a	PRE	A 202	5.0	99.0	99.0	99.0	99.0	90.0
	ZIDUA	85	WG	2.0 oz/a	EPOST	B 312	0.0	99.0	99.0	99.0	99.0	85.0
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B 403	0.0	99.0	99.0	99.0	99.0	99.0
	STORM	4	SL	24.0 oz/a	EPOST	B						
	NIS			0.25 % v/v	EPOST	B						
	CADRE	2	AS	4.0 oz/a	POST	C						
	ZIDUA	85	WG	1.0 oz/a	POST	C						
	NIS			0.25 % v/v	POST	C						
						Mean =	1.3	99.0	99.0	99.0	99.0	93.3
9	PROWL H20	3.8	SC	25.3 oz/a	PRE	A 109	10.0	99.0	99.0	99.0	95.0	0.0
	VALOR SX	51	WG	3.0 oz/a	PRE	A 204	5.0	99.0	99.0	99.0	95.0	99.0
	STRONGARM	84	WG	0.23 oz/a	PRE	A 311	10.0	99.0	99.0	99.0	99.0	65.0
	CADRE	2	AS	4.0 oz/a	POST	C 412	15.0	99.0	99.0	99.0	90.0	99.0
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C						
	NIS			0.25 % v/v	POST	C						
						Mean =	10.0	99.0	99.0	99.0	94.8	65.8
10	PROWL H20	3.8	SC	25.3 oz/a	PRE	A 110	5.0	99.0	99.0	99.0	99.0	85.0
	VALOR SX	51	WG	3.0 oz/a	PRE	A 208	10.0	99.0	99.0	99.0	99.0	99.0
	STRONGARM	84	WG	0.23 oz/a	PRE	A 310	15.0	99.0	99.0	99.0	99.0	99.0
	ZIDUA	85	WG	2.0 oz/a	EPOST	B 407	10.0	99.0	99.0	99.0	99.0	99.0
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B						
	STORM	4	SL	24.0 oz/a	EPOST	B						
	NIS			0.25 % v/v	EPOST	B						
	CADRE	2	AS	4.0 oz/a	POST	C						
	ZIDUA	85	WG	2.0 oz/a	POST	C						
	NIS			0.25 % v/v	POST	C						
						Mean =	10.0	99.0	99.0	99.0	99.0	95.5
11	SONALAN	3	EC	32.0 oz/a	PRE	A 111	0.0	99.0	99.0	99.0	99.0	75.0
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B 209	0.0	99.0	95.0	99.0	99.0	80.0
	BASAGRAN	4	SL	8.0 oz/a	EPOST	B 303	0.0	99.0	99.0	99.0	99.0	65.0
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B 401	0.0	85.0	75.0	99.0	99.0	85.0
	ULTRA BLAZER	2	SL	24.0 oz/a	POST	C						
	WARRANT	3	SC	48.0 oz/a	POST	C						
	2,4-DB	1.75	SL	16.0 oz/a	POST	C						
	NIS			0.25 % v/v	POST	C						
						Mean =	0.0	95.5	92.0	99.0	99.0	76.3
12	SONALAN	3	EC	32.0 oz/a	PRE	A 112	0.0	99.0	90.0	99.0	99.0	50.0
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B 201	0.0	99.0	95.0	99.0	99.0	75.0
	BROADLOOM	4	SL	8.0 oz/a	EPOST	B 308	0.0	99.0	65.0	99.0	99.0	90.0
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B 406	10.0	99.0	75.0	99.0	99.0	50.0
	ULTRA BLAZER	2	SL	24.0 oz/a	POST	C						
	WARRANT	3	SC	48.0 oz/a	POST	C						
	2,4-DB	1.75	SL	16.0 oz/a	POST	C						
	NIS			0.25 % v/v	POST	C						
						Mean =	2.5	99.0	81.3	99.0	99.0	66.3

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date						CYPSP ----- CONTROL PERCENT Jun-2-15	----- ARAHY PLANT - STUNTING PERCENT Jun-2-15	AMAPA ----- CONTROL PERCENT Jun-24-15	ANNUAL GRASS CONTROL PERCENT Jun-24-15	CASOB ----- CONTROL PERCENT Jun-24-15	AMAPA ----- CONTROL PERCENT Aug-12-15
Trt Treatment No. Name	Form Form Conc Type	Rate Rate Unit	Grow Stg	Appl Code Plot		7	8	9	10	11	12
1 NTC				101		0.0	0.0	0.0	0.0	0.0	0.0
				207		0.0	0.0	0.0	0.0	0.0	0.0
				309		0.0	0.0	0.0	0.0	0.0	0.0
				408		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	EPOST B	102		50.0	5.0	99.0	99.0	50.0	99.0
GRAMOXONE SL	2 SL	12.0 oz/a	EPOST B	206		75.0	0.0	95.0	95.0	60.0	99.0
STORM	4 SL	24.0 oz/a	EPOST B	307		75.0	0.0	90.0	60.0	60.0	80.0
NIS		0.25 % v/v	EPOST B	405		0.0	0.0	99.0	85.0	65.0	99.0
				Mean =		50.0	1.3	95.8	84.8	58.8	94.3
3 PROWL H20	3.8 SC	25.3 oz/a	PRE A	103		65.0	5.0	99.0	99.0	95.0	99.0
ZIDUA	85 WG	2.0 oz/a	EPOST B	205		65.0	0.0	99.0	99.0	0.0	99.0
GRAMOXONE SL	2 SL	12.0 oz/a	EPOST B	306		75.0	0.0	99.0	99.0	60.0	99.0
STORM	4 SL	24.0 oz/a	EPOST B	409		65.0	0.0	99.0	99.0	85.0	99.0
NIS		0.25 % v/v	EPOST B								
				Mean =		67.5	1.3	99.0	99.0	60.0	99.0
4 VALOR SX	51 WG	3.0 oz/a	PRE A	104		75.0	10.0	99.0	99.0	99.0	99.0
ZIDUA	85 WG	2.0 oz/a	EPOST B	212		65.0	10.0	99.0	99.0	99.0	99.0
GRAMOXONE SL	2 SL	12.0 oz/a	EPOST B	305		65.0	10.0	99.0	99.0	90.0	99.0
STORM	4 SL	24.0 oz/a	EPOST B	410		85.0	10.0	99.0	99.0	99.0	99.0
NIS		0.25 % v/v	EPOST B								
CADRE	2 AS	4.0 oz/a	POST C								
NIS		0.25 % v/v	POST C								
				Mean =		72.5	10.0	99.0	99.0	96.8	99.0
5 PROWL H20	3.8 SC	25.3 oz/a	PRE A	105		65.0	0.0	99.0	99.0	99.0	99.0
ZIDUA	85 WG	2.0 oz/a	EPOST B	203		75.0	0.0	99.0	99.0	99.0	99.0
GRAMOXONE SL	2 SL	12.0 oz/a	EPOST B	302		65.0	0.0	99.0	99.0	95.0	99.0
STORM	4 SL	24.0 oz/a	EPOST B	404		85.0	0.0	99.0	99.0	99.0	99.0
NIS		0.25 % v/v	EPOST B								
CADRE	2 AS	4.0 oz/a	POST C								
NIS		0.25 % v/v	POST C								
				Mean =		72.5	0.0	99.0	99.0	98.0	99.0
6 PROWL H20	3.8 SC	25.3 oz/a	PRE A	106		85.0	0.0	99.0	99.0	99.0	99.0
STRONGARM	84 WG	0.45 oz/a	PRE A	210		75.0	0.0	99.0	99.0	99.0	99.0
ZIDUA	85 WG	2.0 oz/a	EPOST B	301		75.0	0.0	99.0	99.0	95.0	99.0
GRAMOXONE SL	2 SL	12.0 oz/a	EPOST B	411		85.0	10.0	99.0	99.0	99.0	99.0
STORM	4 SL	24.0 oz/a	EPOST B								
NIS		0.25 % v/v	EPOST B								
CADRE	2 AS	4.0 oz/a	POST C								
NIS		0.25 % v/v	POST C								
				Mean =		80.0	2.5	99.0	99.0	98.0	99.0
7 PROWL H20	3.8 SC	25.3 oz/a	PRE A	107		85.0	0.0	99.0	99.0	99.0	99.0
STRONGARM	84 WG	0.45 oz/a	PRE A	211		85.0	0.0	99.0	99.0	99.0	99.0
ZIDUA	85 WG	2.0 oz/a	EPOST B	304		85.0	5.0	99.0	99.0	85.0	99.0
GRAMOXONE SL	2 SL	12.0 oz/a	EPOST B	402		85.0	0.0	99.0	99.0	99.0	99.0
STORM	4 SL	24.0 oz/a	EPOST B								
NIS		0.25 % v/v	EPOST B								
CADRE	2 AS	4.0 oz/a	POST C								
ZIDUA	85 WG	2.0 oz/a	POST C								
NIS		0.25 % v/v	POST C								
				Mean =		85.0	1.3	99.0	99.0	95.5	99.0

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							CYPSP ----- CONTROL PERCENT Jun-2-15	----- ARAHY PLANT - STUNTING PERCENT Jun-2-15	AMAPA ----- CONTROL PERCENT Jun-24-15	ANNUAL GRASS CONTROL PERCENT Jun-24-15	CASOB ----- CONTROL PERCENT Jun-24-15	AMAPA ----- CONTROL PERCENT Aug-12-15
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code Plot	7	8	9	10	11	12
8	PROWL H20	3.8	SC	25.3 oz/a	PRE	A 108	60.0	0.0	99.0	99.0	99.0	99.0
	STRONGARM	84	WG	0.45 oz/a	PRE	A 202	85.0	5.0	99.0	99.0	99.0	99.0
	ZIDUA	85	WG	2.0 oz/a	EPOST	B 312	85.0	0.0	99.0	99.0	99.0	99.0
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B 403	95.0	0.0	99.0	99.0	95.0	99.0
	STORM	4	SL	24.0 oz/a	EPOST	B						
	NIS			0.25 % v/v	EPOST	B						
	CADRE	2	AS	4.0 oz/a	POST	C						
	ZIDUA	85	WG	1.0 oz/a	POST	C						
	NIS			0.25 % v/v	POST	C						
						Mean =	81.3	1.3	99.0	99.0	98.0	99.0
9	PROWL H20	3.8	SC	25.3 oz/a	PRE	A 109	85.0	0.0	99.0	99.0	80.0	99.0
	VALOR SX	51	WG	3.0 oz/a	PRE	A 204	65.0	5.0	99.0	99.0	99.0	99.0
	STRONGARM	84	WG	0.23 oz/a	PRE	A 311	65.0	0.0	99.0	99.0	65.0	99.0
	CADRE	2	AS	4.0 oz/a	POST	C 412	85.0	10.0	99.0	95.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C						
	NIS			0.25 % v/v	POST	C						
						Mean =	75.0	3.8	99.0	98.0	85.8	99.0
10	PROWL H20	3.8	SC	25.3 oz/a	PRE	A 110	65.0	0.0	99.0	99.0	99.0	99.0
	VALOR SX	51	WG	3.0 oz/a	PRE	A 208	75.0	10.0	99.0	99.0	90.0	99.0
	STRONGARM	84	WG	0.23 oz/a	PRE	A 310	65.0	10.0	99.0	99.0	95.0	99.0
	ZIDUA	85	WG	2.0 oz/a	EPOST	B 407	60.0	10.0	99.0	99.0	99.0	99.0
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B						
	STORM	4	SL	24.0 oz/a	EPOST	B						
	NIS			0.25 % v/v	EPOST	B						
	CADRE	2	AS	4.0 oz/a	POST	C						
	ZIDUA	85	WG	2.0 oz/a	POST	C						
	NIS			0.25 % v/v	POST	C						
						Mean =	66.3	7.5	99.0	99.0	95.8	99.0
11	SONALAN	3	EC	32.0 oz/a	PRE	A 111	60.0	5.0	99.0	99.0	65.0	99.0
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B 209	65.0	0.0	99.0	99.0	99.0	99.0
	BASAGRAN	4	SL	8.0 oz/a	EPOST	B 303	65.0	5.0	99.0	95.0	75.0	99.0
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B 401	85.0	10.0	99.0	90.0	95.0	99.0
	ULTRA BLAZER	2	SL	24.0 oz/a	POST	C						
	WARRANT	3	SC	48.0 oz/a	POST	C						
	2,4-DB	1.75	SL	16.0 oz/a	POST	C						
	NIS			0.25 % v/v	POST	C						
						Mean =	68.8	5.0	99.0	95.8	83.5	99.0
12	SONALAN	3	EC	32.0 oz/a	PRE	A 112	75.0	5.0	99.0	99.0	65.0	99.0
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B 201	65.0	10.0	99.0	95.0	85.0	99.0
	BROADLOOM	4	SL	8.0 oz/a	EPOST	B 308	75.0	0.0	99.0	95.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B 406	0.0	50.0	99.0	95.0	99.0	99.0
	ULTRA BLAZER	2	SL	24.0 oz/a	POST	C						
	WARRANT	3	SC	48.0 oz/a	POST	C						
	2,4-DB	1.75	SL	16.0 oz/a	POST	C						
	NIS			0.25 % v/v	POST	C						
						Mean =	53.8	16.3	99.0	96.0	87.0	99.0



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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							ANNUAL GRASS	CASOB ----		
							CONTROL PERCENT Aug-12-15	CONTROL PERCENT Aug-12-15		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Grow Stg	Appl Code	Plot	13	14
1	NTC							101 207 309 408 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0
2	ZIDUA	85	WG	2.0	oz/a	EPOST	B	102	99.0	0.0
	GRAMOXONE SL	2	SL	12.0	oz/a	EPOST	B	206	85.0	0.0
	STORM	4	SL	24.0	oz/a	EPOST	B	307	0.0	0.0
	NIS			0.25	% v/v	EPOST	B	405	40.0	0.0
								Mean =	56.0	0.0
3	PROWL H20	3.8	SC	25.3	oz/a	PRE	A	103	99.0	85.0
	ZIDUA	85	WG	2.0	oz/a	EPOST	B	205	95.0	0.0
	GRAMOXONE SL	2	SL	12.0	oz/a	EPOST	B	306	85.0	70.0
	STORM	4	SL	24.0	oz/a	EPOST	B	409	95.0	90.0
	NIS			0.25	% v/v	EPOST	B			
								Mean =	93.5	61.3
4	VALOR SX	51	WG	3.0	oz/a	PRE	A	104	99.0	99.0
	ZIDUA	85	WG	2.0	oz/a	EPOST	B	212	95.0	99.0
	GRAMOXONE SL	2	SL	12.0	oz/a	EPOST	B	305	95.0	90.0
	STORM	4	SL	24.0	oz/a	EPOST	B	410	99.0	99.0
	NIS			0.25	% v/v	EPOST	B			
	CADRE	2	AS	4.0	oz/a	POST	C			
	NIS			0.25	% v/v	POST	C			
								Mean =	97.0	96.8
5	PROWL H20	3.8	SC	25.3	oz/a	PRE	A	105	99.0	99.0
	ZIDUA	85	WG	2.0	oz/a	EPOST	B	203	99.0	90.0
	GRAMOXONE SL	2	SL	12.0	oz/a	EPOST	B	302	99.0	90.0
	STORM	4	SL	24.0	oz/a	EPOST	B	404	95.0	99.0
	NIS			0.25	% v/v	EPOST	B			
	CADRE	2	AS	4.0	oz/a	POST	C			
	NIS			0.25	% v/v	POST	C			
								Mean =	98.0	94.5
6	PROWL H20	3.8	SC	25.3	oz/a	PRE	A	106	99.0	99.0
	STRONGARM	84	WG	0.45	oz/a	PRE	A	210	99.0	99.0
	ZIDUA	85	WG	2.0	oz/a	EPOST	B	301	99.0	99.0
	GRAMOXONE SL	2	SL	12.0	oz/a	EPOST	B	411	99.0	99.0
	STORM	4	SL	24.0	oz/a	EPOST	B			
	NIS			0.25	% v/v	EPOST	B			
	CADRE	2	AS	4.0	oz/a	POST	C			
	NIS			0.25	% v/v	POST	C			
								Mean =	99.0	99.0
7	PROWL H20	3.8	SC	25.3	oz/a	PRE	A	107	99.0	99.0
	STRONGARM	84	WG	0.45	oz/a	PRE	A	211	99.0	99.0
	ZIDUA	85	WG	2.0	oz/a	EPOST	B	304	99.0	90.0
	GRAMOXONE SL	2	SL	12.0	oz/a	EPOST	B	402	99.0	99.0
	STORM	4	SL	24.0	oz/a	EPOST	B			
	NIS			0.25	% v/v	EPOST	B			
	CADRE	2	AS	4.0	oz/a	POST	C			
	ZIDUA	85	WG	2.0	oz/a	POST	C			
	NIS			0.25	% v/v	POST	C			
								Mean =	99.0	96.8

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							ANNUAL GRASS	CASOB ----
							CONTROL PERCENT Aug-12-15	CONTROL PERCENT Aug-12-15
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code Plot	13	14
8	PROWL H20	3.8	SC	25.3 oz/a	PRE	A 108	99.0	99.0
	STRONGARM	84	WG	0.45 oz/a	PRE	A 202	99.0	99.0
	ZIDUA	85	WG	2.0 oz/a	EPOST	B 312	99.0	99.0
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B 403	99.0	99.0
	STORM	4	SL	24.0 oz/a	EPOST	B		
	NIS			0.25 % v/v	EPOST	B		
	CADRE	2	AS	4.0 oz/a	POST	C		
	ZIDUA	85	WG	1.0 oz/a	POST	C		
	NIS			0.25 % v/v	POST	C		
Mean =							99.0	99.0
9	PROWL H20	3.8	SC	25.3 oz/a	PRE	A 109	99.0	90.0
	VALOR SX	51	WG	3.0 oz/a	PRE	A 204	95.0	99.0
	STRONGARM	84	WG	0.23 oz/a	PRE	A 311	99.0	99.0
	CADRE	2	AS	4.0 oz/a	POST	C 412	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST	C		
	NIS			0.25 % v/v	POST	C		
Mean =							98.0	96.8
10	PROWL H20	3.8	SC	25.3 oz/a	PRE	A 110	99.0	99.0
	VALOR SX	51	WG	3.0 oz/a	PRE	A 208	99.0	99.0
	STRONGARM	84	WG	0.23 oz/a	PRE	A 310	99.0	99.0
	ZIDUA	85	WG	2.0 oz/a	EPOST	B 407	99.0	99.0
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B		
	STORM	4	SL	24.0 oz/a	EPOST	B		
	NIS			0.25 % v/v	EPOST	B		
	CADRE	2	AS	4.0 oz/a	POST	C		
	ZIDUA	85	WG	2.0 oz/a	POST	C		
	NIS			0.25 % v/v	POST	C		
Mean =							99.0	99.0
11	SONALAN	3	EC	32.0 oz/a	PRE	A 111	95.0	0.0
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B 209	95.0	0.0
	BASAGRAN	4	SL	8.0 oz/a	EPOST	B 303	75.0	0.0
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B 401	50.0	80.0
	ULTRA BLAZER	2	SL	24.0 oz/a	POST	C		
	WARRANT	3	SC	48.0 oz/a	POST	C		
	2,4-DB	1.75	SL	16.0 oz/a	POST	C		
	NIS			0.25 % v/v	POST	C		
Mean =							78.8	20.0
12	SONALAN	3	EC	32.0 oz/a	PRE	A 112	75.0	0.0
	GRAMOXONE SL	2	SL	12.0 oz/a	EPOST	B 201	85.0	65.0
	BROADLOOM	4	SL	8.0 oz/a	EPOST	B 308	50.0	50.0
	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST	B 406	60.0	90.0
	ULTRA BLAZER	2	SL	24.0 oz/a	POST	C		
	WARRANT	3	SC	48.0 oz/a	POST	C		
	2,4-DB	1.75	SL	16.0 oz/a	POST	C		
	NIS			0.25 % v/v	POST	C		
Mean =							67.5	51.3

# University of Georgia

## ZIDUA WEED CONTROL PROGRAMS FOR PEANUT

Trial ID: PE-19-15      Study Dir.: LARRY NEWSOME/CLAY OWEN  
Location: ATTAPULGUS      Investigator: Eric P. Prostko

### Weed Code

AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.  
CASOB = SICKLEPOD / CASSIA OBTUSIFOLIA L.

### Part Rated

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