

University of Georgia

PEANUT RESPONSE TO GRAMOXONE/STORM/ WARRANT TANK-MIXTURES (WEED-FREE) Trial ID: PE-07-18 Study Dir.: Location: ATTAPULGUS REC Investigator: Eric P. Prostko									
--	--	--	--	--	--	--	--	--	--

Reps: 4 Plots: 6 by 25 feet
 Spray vol: 15 GAL/AC Mix Size: 1.5 L (total for 4 plots; minimum=0.782 L)

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Appl Code	Amt Product to Measure	Rep 1	2	3	4
1	16 DAP GRAMOXONE NIS	2 SL		8.0 oz/a 0.25 % v/v	POST POST		A	6.249 mL/mx 3.75 mL/mx	101	210	317	411
2	16 DAP GRAMOXONE NIS	2 SL		12.0 oz/a 0.25 % v/v	POST POST		A	9.374 mL/mx 3.75 mL/mx	102	212	320	408
3	16 DAP GRAMOXONE NIS	2 SL		16.0 oz/a 0.25 % v/v	POST POST		A	12.5 mL/mx 3.75 mL/mx	103	220	309	412
4	16 DAP GRAMOXONE STORM WARRANT NIS	2 SL 4 SL 3 ME		8.0 oz/a 16.0 oz/a 48.0 oz/a 0.25 % v/v	POST POST POST POST		A	6.249 mL/mx 12.5 mL/mx 37.5 mL/mx 3.75 mL/mx	104	205	301	404
5	16 DAP GRAMOXONE STORM WARRANT NIS	2 SL 4 SL 3 ME		12.0 oz/a 16.0 oz/a 48.0 oz/a 0.25 % v/v	POST POST POST POST		A	9.374 mL/mx 12.5 mL/mx 37.5 mL/mx 3.75 mL/mx	105	217	319	403
6	16 DAP GRAMOXONE STORM WARRANT NIS	2 SL 4 SL 3 ME		16.0 oz/a 16.0 oz/a 48.0 oz/a 0.25 % v/v	POST POST POST POST		A	12.5 mL/mx 12.5 mL/mx 37.5 mL/mx 3.75 mL/mx	106	219	311	407
7	16 DAP GRAMOXONE WARRANT NIS	2 SL 3 ME		8.0 oz/a 48.0 oz/a 0.25 % v/v	POST POST POST		A	6.249 mL/mx 37.5 mL/mx 3.75 mL/mx	107	211	316	406
8	16 DAP GRAMOXONE WARRANT NIS	2 SL 3 ME		12.0 oz/a 48.0 oz/a 0.25 % v/v	POST POST POST		A	9.374 mL/mx 37.5 mL/mx 3.75 mL/mx	108	218	314	417
9	16 DAP GRAMOXONE WARRANT NIS	2 SL 3 ME		16.0 oz/a 48.0 oz/a 0.25 % v/v	POST POST POST		A	12.5 mL/mx 37.5 mL/mx 3.75 mL/mx	109	215	302	405
10	42 DAP GRAMOXONE NIS	2 SL		8.0 oz/a 0.25 % v/v	POST POST		B	6.249 mL/mx 3.75 mL/mx	110	208	312	413
11	42 DAP GRAMOXONE NIS	2 SL		12.0 oz/a 0.25 % v/v	POST POST		B	9.374 mL/mx 3.75 mL/mx	111	204	308	419
12	42 DAP GRAMOXONE NIS	2 SL		16.0 oz/a 0.25 % v/v	POST POST		B	12.5 mL/mx 3.75 mL/mx	112	216	307	402
13	42 DAP GRAMOXONE STORM WARRANT NIS	2 SL 4 SL 3 ME		8.0 oz/a 16.0 oz/a 48.0 oz/a 0.25 % v/v	POST POST POST POST		B	6.249 mL/mx 12.5 mL/mx 37.5 mL/mx 3.75 mL/mx	113	214	318	415
14	42 DAP GRAMOXONE STORM WARRANT NIS	2 SL 4 SL 3 ME		12.0 oz/a 16.0 oz/a 48.0 oz/a 0.25 % v/v	POST POST POST POST		B	9.374 mL/mx 12.5 mL/mx 37.5 mL/mx 3.75 mL/mx	114	207	303	418

University of Georgia

Reps: 4 Plots: 6 by 25 feet
 Spray vol: 15 GAL/AC Mix Size: 1.5 L (total for 4 plots; minimum=0.782 L)

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Appl Code	Amt Product to Measure	Rep 1	2	3	4
15	42 DAP						B		115	213	304	410
	GRAMOXONE	2 SL		16.0 oz/a		POST		12.5 mL/mx				
	STORM	4 SL		16.0 oz/a		POST		12.5 mL/mx				
	WARRANT	3 ME		48.0 oz/a		POST		37.5 mL/mx				
	NIS			0.25 % v/v		POST		3.75 mL/mx				
16	42 DAP						B		116	203	306	414
	GRAMOXONE	2 SL		8.0 oz/a		POST		6.249 mL/mx				
	WARRANT	3 ME		48.0 oz/a		POST		37.5 mL/mx				
	NIS			0.25 % v/v		POST		3.75 mL/mx				
17	42 DAP						B		117	209	313	409
	GRAMOXONE	2 SL		12.0 oz/a		POST		9.374 mL/mx				
	WARRANT	3 ME		48.0 oz/a		POST		37.5 mL/mx				
	NIS			0.25 % v/v		POST		3.75 mL/mx				
18	42 DAP						B		118	201	305	401
	GRAMOXONE	2 SL		16.0 oz/a		POST		12.5 mL/mx				
	WARRANT	3 ME		48.0 oz/a		POST		37.5 mL/mx				
	NIS			0.25 % v/v		POST		3.75 mL/mx				
19	NTC								119	202	310	416
20	NTC								120	206	315	420

Sort Order: Treatment

Trial Comments

PROWL H20 @ 32 OZ/A + VALOR @ 3 OZ/A - PRE (MAY 7)

CRACKING - MAY 13

NIS = INDUCE (HELENA)

MAINTAINED WEED-FREE

DIGGING DATE: SEPTEMBER 21

HARVEST DATE: SEPTEMBER 24

HARVEST MOISTURE: 20.2%

YIELDS ADJUSTED TO 10%.

MISSING DATA FOR PLOT #304 DUE TO APPLICATION ERROR

JULY 17 ROW MIDDLE LAPPING RATINGS: % OF MIDDLES TOUCHING: 1 = 0; 2 = 25%; 3 = 50%; 4 = 75%; 5 = 100%.

SUMMARY:

1) GENERALLY, ADDING STORM TO GRAMOXONE TREATMENTS REDUCED PEANUT INJURY IN SOME INSTANCES.

2) PEANUT ROW MIDDLE LAPPING WAS REDUCED WHEN GRAMOXONE TREATMENTS WERE APPLIED 42 DAP.

3) FOR PEANUT YIELD THERE WAS NO INTERACTION BETWEEN TIME OF APPLICATION AND GRAMOXONE TREATMENT (P=0.1127).

4) WHEN AVERAGED OVER GRAMOXONE TREATMENT, PEANUT YIELDS WERE SIGNIFICANTLY LOWER WHEN TREATMENTS WERE APPLIED 42 DAP COMPARED TO 16 DAP (7038 LBS/A VS. 6650 LBS/A = 5.51% YIELD LOSS).

5) WHEN AVERAGED OVER TIME OF APPLICATION, GRAMOXONE TREATMENTS HAD NO EFFECT ON PEANUT YIELD.

University of Georgia

PEANUT RESPONSE TO GRAMOXONE/STORM/
WARRANT TANK-MIXTURES (WEED-FREE)
Trial ID: PE-07-18 Study Dir.:
Location: ATTAPULGUS REC 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. _____ **2.** _____

Crop 1: ARAHY PEANUT **Variety:** GA-16HO **Planting Date:** May-7-18
Planting Method: MONOSEM **Rate:** 6 SEED/FT **Depth:** 2 IN
Perennial Age: _____ **Row Spacing:** 36 IN **Seed Bed:** _____
Soil Temperature: _____ **Soil Moisture:** DRY **Emergence Date:** _____

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

Previous: Crops _____ **Pesticides** _____ **Year** _____
1. COTTON 2017 _____

MAINTENANCE

Field Prep./Maintenance: _____

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

SOIL DESCRIPTION

Texture: LOAMY SAND **% OM:** 1.49 **% Sand:** 86 **% Silt:** 6 **% Clay:** 8
pH: 6.0 **CEC:** _____ **Soil Name:** ORANGEBURG **Fertility Level:** GOOD

MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. May-7-18	_____	0.5	IN	SPRINKLER - CENTER PIVOT	_____	_____
2. May-12-18	_____	0.12	IN	RAINFALL	_____	_____
3. May-15-18	_____	0.41	IN	RAINFALL	_____	_____
4. May-16-18	_____	0.06	IN	RAINFALL	_____	_____
5. May-17-18	_____	1.03	IN	RAINFALL	_____	_____
6. May-18-18	_____	0.46	IN	RAINFALL	_____	_____
7. May-20-18	_____	0.03	IN	RAINFALL	_____	_____
8. May-21-18	_____	0.36	IN	RAINFALL	_____	_____
9. May-22-18	_____	0.14	IN	RAINFALL	_____	_____
10. May-23-18	_____	1.05	IN	RAINFALL	_____	_____
11. May-24-18	_____	0.30	IN	RAINFALL	_____	_____

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

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	May-23-18	Jun-18-18	_____	_____	_____	_____
Time of Day:	9:00 AM	9:00 AM	_____	_____	_____	_____
Application Method:	BROADCAST	BROADCAST	_____	_____	_____	_____
Application Timing:	16 DAP	42 DAP	_____	_____	_____	_____
Applic. Placement:	FOLIAGE	FOLIAGE	_____	_____	_____	_____
Air Temp., Unit:	77 F	79 F	_____	_____	_____	_____
% Relative Humidity:	89	85	_____	_____	_____	_____
Wind Velocity, Unit:	1 MPH	1 MPH	_____	_____	_____	_____
Dew Presence (Y/N):	Y	Y	_____	_____	_____	_____
Water Hardness:	---	---	_____	_____	_____	_____
Soil Temp., Unit:	77 F	79 F	_____	_____	_____	_____
Soil Moisture:	WET	OPTIMUM	_____	_____	_____	_____
% Cloud Cover:	50	0	_____	_____	_____	_____

University of Georgia

CROP STAGE AT EACH APPLICATION									
		A	B	C	D	E	F		
Crop 1	Stage: ARAHY		7"T;11"W						
	Stage Scale:	3"T: V5	R2						
	Height, Unit:								

WEED STAGE AT EACH APPLICATION									
		A	B	C	D	E	F		
Weed 1	Stage:								
	Stage Scale:								
	Density, Unit:								

APPLICATION EQUIPMENT									
		A	B	C	D	E	F		
Appl. Equipment:	BACKPACK	BACKPACK							
Operating Pressure:	44	38							
Nozzle Type:	AIXR	AIXR							
Nozzle Size:	11002	11002							
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	IN						
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

University of Georgia

PEANUT RESPONSE TO GRAMOXONE/STORM/ WARRANT TANK-MIXTURES (WEED-FREE)						
Trial ID: PE-07-18		Study Dir.: Location: ATTAPULGUS REC Investigator: Eric P. Probstko				
Weed Code		----- ARAHY PLANT - STUNTING PERCENT May-30-18	----- ARAHY PLANT - NECROSIS PERCENT May-30-18	----- ARAHY PLANT - STUNTING PERCENT Jun-11-18	----- ARAHY PLANT - STUNTING PERCENT Jun-25-18	----- ARAHY PLANT - NECROSIS PERCENT Jun-25-18
Crop Code						
Part Rated						
Rating Data Type						
Rating Unit						
Rating Date						
Trt-Eval Interval						
PRM Data Type						
# Subsamples, Dec.						
Trt Treatment	Form Form	Rate	Grow	Appl		
No. Name	Conc Type	Rate Unit	Stg	Code		
					1	2
					3	4
					5	6
TABLE OF R MEANS						
Replicate 1						
Replicate 2						
Replicate 3						
Replicate 4						
TABLE OF A (TIME OF APPLICATION) MEANS						
1 16 DAP A						
2 42 DAP B						
Tukey's HSD P=.10						
Standard Deviation						
CV						
TABLE OF B (TREATMENT) MEANS						
1 GRAMOXONE 2 SL 8.0 oz/a POST						
1 NIS 0.25 % v/v POST						
2 GRAMOXONE 2 SL 12.0 oz/a POST						
2 NIS 0.25 % v/v POST						
3 GRAMOXONE 2 SL 16.0 oz/a POST						
3 NIS 0.25 % v/v POST						
4 GRAMOXONE 2 SL 8.0 oz/a POST						
4 STORM 4 SL 16.0 oz/a POST						
4 WARRANT 3 ME 48.0 oz/a POST						
4 NIS 0.25 % v/v POST						
5 GRAMOXONE 2 SL 12.0 oz/a POST						
5 STORM 4 SL 16.0 oz/a POST						
5 WARRANT 3 ME 48.0 oz/a POST						
5 NIS 0.25 % v/v POST						
6 GRAMOXONE 2 SL 16.0 oz/a POST						
6 STORM 4 SL 16.0 oz/a POST						
6 WARRANT 3 ME 48.0 oz/a POST						
6 NIS 0.25 % v/v POST						
7 GRAMOXONE 2 SL 8.0 oz/a POST						
7 WARRANT 3 ME 48.0 oz/a POST						
7 NIS 0.25 % v/v POST						
8 GRAMOXONE 2 SL 12.0 oz/a POST						
8 WARRANT 3 ME 48.0 oz/a POST						
8 NIS 0.25 % v/v POST						
9 GRAMOXONE 2 SL 16.0 oz/a POST						
9 WARRANT 3 ME 48.0 oz/a POST						
9 NIS 0.25 % v/v POST						
Tukey's HSD P=.10						
Standard Deviation						
CV						
TABLE OF A (TIME OF APPLICATION) B (TREATMENT) MEANS						
1 16 DAP A						
1 GRAMOXONE 2 SL 8.0 oz/a POST						
1 NIS 0.25 % v/v POST						
2 42 DAP B						
1 GRAMOXONE 2 SL 8.0 oz/a POST						
1 NIS 0.25 % v/v POST						
1 16 DAP A						
2 GRAMOXONE 2 SL 12.0 oz/a POST						
2 NIS 0.25 % v/v POST						

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD)

University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							----- ARAHY PLANT - STUNTING PERCENT May-30-18	----- ARAHY PLANT - NECROSIS PERCENT May-30-18	----- ARAHY PLANT - STUNTING PERCENT Jun-11-18	----- ARAHY PLANT - STUNTING PERCENT Jun-25-18	----- ARAHY PLANT - NECROSIS PERCENT Jun-25-18	----- ARAHY PLANT - STUNTING PERCENT Jul-17-18
Trt-Eval Interval PRM Data Type # Subsamples, Dec.												
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6
2 42 DAP	2 GRAMOXONE	2 SL		12.0 oz/a	POST	B	0.0 d	0.0 c	0.0 c	20.0 a	22.5 a	10.0 a
2 NIS				0.25 % v/v	POST							
1 16 DAP	3 GRAMOXONE	2 SL		16.0 oz/a	POST	A	21.3 a	8.8 ab	12.5 ab	10.0 bcd	0.0 b	5.0 ab
3 NIS				0.25 % v/v	POST							
2 42 DAP	3 GRAMOXONE	2 SL		16.0 oz/a	POST	B	0.0 d	0.0 c	0.0 c	20.0 a	22.5 a	10.0 a
3 NIS				0.25 % v/v	POST							
1 16 DAP	4 GRAMOXONE	2 SL		8.0 oz/a	POST	A	10.0 c	8.8 ab	10.0 b	7.5 d	0.0 b	2.5 b
4 STORM	4 SL			16.0 oz/a	POST							
4 WARRANT	3 ME			48.0 oz/a	POST							
4 NIS				0.25 % v/v	POST							
2 42 DAP	4 GRAMOXONE	2 SL		8.0 oz/a	POST	B	0.0 d	0.0 c	0.0 c	10.0 bcd	23.8 a	7.5 ab
4 STORM	4 SL			16.0 oz/a	POST							
4 WARRANT	3 ME			48.0 oz/a	POST							
4 NIS				0.25 % v/v	POST							
1 16 DAP	5 GRAMOXONE	2 SL		12.0 oz/a	POST	A	12.5 bc	13.8 a	10.0 b	10.0 bcd	0.0 b	5.0 ab
5 STORM	4 SL			16.0 oz/a	POST							
5 WARRANT	3 ME			48.0 oz/a	POST							
5 NIS				0.25 % v/v	POST							
2 42 DAP	5 GRAMOXONE	2 SL		12.0 oz/a	POST	B	0.0 d	0.0 c	0.0 c	11.3 bcd	22.5 a	10.0 a
5 STORM	4 SL			16.0 oz/a	POST							
5 WARRANT	3 ME			48.0 oz/a	POST							
5 NIS				0.25 % v/v	POST							
1 16 DAP	6 GRAMOXONE	2 SL		16.0 oz/a	POST	A	18.8 ab	8.8 ab	12.5 ab	11.3 bcd	0.0 b	5.0 ab
6 STORM	4 SL			16.0 oz/a	POST							
6 WARRANT	3 ME			48.0 oz/a	POST							
6 NIS				0.25 % v/v	POST							
2 42 DAP	6 GRAMOXONE	2 SL		16.0 oz/a	POST	B	0.0 d	0.0 c	0.0 c	6.7 d	16.7 a	10.0 a
6 STORM	4 SL			16.0 oz/a	POST							
6 WARRANT	3 ME			48.0 oz/a	POST							
6 NIS				0.25 % v/v	POST							
1 16 DAP	7 GRAMOXONE	2 SL		8.0 oz/a	POST	A	20.0 a	7.5 b	12.5 ab	8.8 cd	0.0 b	5.0 ab
7 WARRANT	3 ME			48.0 oz/a	POST							
7 NIS				0.25 % v/v	POST							
2 42 DAP	7 GRAMOXONE	2 SL		8.0 oz/a	POST	B	0.0 d	0.0 c	0.0 c	11.3 bcd	22.5 a	5.0 ab
7 WARRANT	3 ME			48.0 oz/a	POST							
7 NIS				0.25 % v/v	POST							
1 16 DAP	8 GRAMOXONE	2 SL		12.0 oz/a	POST	A	22.5 a	7.5 b	11.3 b	12.5 a-d	0.0 b	5.0 ab
8 WARRANT	3 ME			48.0 oz/a	POST							
8 NIS				0.25 % v/v	POST							
2 42 DAP	8 GRAMOXONE	2 SL		12.0 oz/a	POST	B	0.0 d	0.0 c	0.0 c	16.3 abc	22.5 a	10.0 a
8 WARRANT	3 ME			48.0 oz/a	POST							
8 NIS				0.25 % v/v	POST							

University of Georgia

Weed Code													
Crop Code													
Part Rated													
Rating Data Type													
Rating Unit													
Rating Date													
Trt-Eval Interval													
PRM Data Type													
# Subsamples, Dec.													
Trt Treatment	Form	Form	Rate	Grow	Appl								
No. Name	Conc	Type	Unit	Stg	Code								
1	16 DAP				A	20.0 a	7.5 b	18.8 a	12.5 a-d	0.0 b	5.0 ab		
9	GRAMOXONE	2 SL	16.0 oz/a	POST									
9	WARRANT	3 ME	48.0 oz/a	POST									
9	NIS		0.25 % v/v	POST									
2	42 DAP				B	0.0 d	0.0 c	0.0 c	17.5 ab	21.3 a	10.0 a		
9	GRAMOXONE	2 SL	16.0 oz/a	POST									
9	WARRANT	3 ME	48.0 oz/a	POST									
9	NIS		0.25 % v/v	POST									
Tukey's HSD P=	.10					6.94	5.66	6.42	7.79	8.66	6.19		
Standard Deviation						2.75	2.25	2.55	3.09	3.44	2.46		
CV						29.58	50.52	39.03	25.25	31.45	36.11		

Weed Code								-----	-----	-----
Crop Code								ARAHY	ARAHY	ARAHY
Part Rated								LAPPED -	PLOT -	PLOT -
Rating Data Type								ROWMIDDLE	YIELD	YIELD
Rating Unit								1-5	LBS/PLOT	LBS/A
Rating Date								Jul-17-18	Sep-24-18	Sep-24-18
Trt-Eval Interval									124 DA-A	124 DA-A
PRM Data Type										TY1
# Subsamples, Dec.								- 1	- 2	- 0
Trt Treatment	Form	Form	Rate	Grow	Appl					
No. Name	Conc	Type	Rate	Unit	Stg	Code		7	8	9
TABLE OF R MEANS										
Replicate 1								2.5	27.81	7160
Replicate 2								2.2	28.25	7274
Replicate 3								2.4	26.40	6796
Replicate 4								2.3	23.87	6146
TABLE OF A (TIME OF APPLICATION) MEANS										
1 16 DAP A								3.3 a	27.33 a	7038 a
2 42 DAP B								1.3 b	25.83 b	6650 b
Tukey's HSD P=.10								0.26	0.956	246.1
Standard Deviation								0.46	1.723	443.7
CV								19.66	6.483	6.5
TABLE OF B (TREATMENT) MEANS										
1 GRAMOXONE 2 SL 8.0 oz/a POST								2.2 ab	25.36 a	6531 a
1 NIS 0.25 % v/v POST										
2 GRAMOXONE 2 SL 12.0 oz/a POST								2.2 ab	26.09 a	6719 a
2 NIS 0.25 % v/v POST										
3 GRAMOXONE 2 SL 16.0 oz/a POST								1.8 b	25.60 a	6592 a
3 NIS 0.25 % v/v POST										
4 GRAMOXONE 2 SL 8.0 oz/a POST								2.7 ab	26.82 a	6906 a
4 STORM 4 SL 16.0 oz/a POST										
4 WARRANT 3 ME 48.0 oz/a POST										
4 NIS 0.25 % v/v POST										
5 GRAMOXONE 2 SL 12.0 oz/a POST								2.5 ab	27.62 a	7111 a
5 STORM 4 SL 16.0 oz/a POST										
5 WARRANT 3 ME 48.0 oz/a POST										
5 NIS 0.25 % v/v POST										
6 GRAMOXONE 2 SL 16.0 oz/a POST								2.9 a	28.75 a	7403 a
6 STORM 4 SL 16.0 oz/a POST										
6 WARRANT 3 ME 48.0 oz/a POST										
6 NIS 0.25 % v/v POST										
7 GRAMOXONE 2 SL 8.0 oz/a POST								2.6 ab	27.79 a	7155 a
7 WARRANT 3 ME 48.0 oz/a POST										
7 NIS 0.25 % v/v POST										
8 GRAMOXONE 2 SL 12.0 oz/a POST								2.2 ab	25.53 a	6574 a
8 WARRANT 3 ME 48.0 oz/a POST										
8 NIS 0.25 % v/v POST										
9 GRAMOXONE 2 SL 16.0 oz/a POST								2.1 ab	25.66 a	6608 a
9 WARRANT 3 ME 48.0 oz/a POST										
9 NIS 0.25 % v/v POST										
Tukey's HSD P=.10								1.06	3.715	956.4
Standard Deviation								0.69	2.423	623.9
CV								29.37	9.115	9.1
TABLE OF A (TIME OF APPLICATION) B (TREATMENT) MEANS										
1 16 DAP A								3.1 a	26.81 a-e	6904 a-e
1 GRAMOXONE 2 SL 8.0 oz/a POST										
1 NIS 0.25 % v/v POST										
2 42 DAP B								1.3 bc	23.91 de	6157 de
1 GRAMOXONE 2 SL 8.0 oz/a POST										
1 NIS 0.25 % v/v POST										
1 16 DAP A								3.4 a	26.73 a-e	6881 a-e
2 GRAMOXONE 2 SL 12.0 oz/a POST										
2 NIS 0.25 % v/v POST										

Means followed by same letter or symbol do not significantly differ ($P \geq 0.10$, Tukey's HSD)

University of Georgia

Weed Code								----	----	----
Crop Code								ARAHY	ARAHY	ARAHY
Part Rated								LAPPED -	PLOT -	PLOT -
Rating Data Type								ROWMIDDL	YIELD	YIELD
Rating Unit								1-5	LBS/PLOT	LBS/A
Rating Date								Jul-17-18	Sep-24-18	Sep-24-18
Trt-Eval Interval									124 DA-A	124 DA-A
PRM Data Type									TY1	TY1
# Subsamples, Dec.								- 1	- 2	- 0
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code		7	8	9
2 42 DAP						B		1.0 c	25.46 a-e	6556 a-e
2 GRAMOXONE		2 SL		12.0 oz/a	POST					
2 NIS				0.25 % v/v	POST					
1 16 DAP						A		2.6 ab	27.40 a-e	7055 a-e
3 GRAMOXONE		2 SL		16.0 oz/a	POST					
3 NIS				0.25 % v/v	POST					
2 42 DAP						B		1.0 c	23.80 e	6128 e
3 GRAMOXONE		2 SL		16.0 oz/a	POST					
3 NIS				0.25 % v/v	POST					
1 16 DAP						A		3.8 a	27.09 a-e	6975 a-e
4 GRAMOXONE		2 SL		8.0 oz/a	POST					
4 STORM		4 SL		16.0 oz/a	POST					
4 WARRANT		3 ME		48.0 oz/a	POST					
4 NIS				0.25 % v/v	POST					
2 42 DAP						B		1.6 bc	26.55 a-e	6836 a-e
4 GRAMOXONE		2 SL		8.0 oz/a	POST					
4 STORM		4 SL		16.0 oz/a	POST					
4 WARRANT		3 ME		48.0 oz/a	POST					
4 NIS				0.25 % v/v	POST					
1 16 DAP						A		3.6 a	28.20 ab	7261 ab
5 GRAMOXONE		2 SL		12.0 oz/a	POST					
5 STORM		4 SL		16.0 oz/a	POST					
5 WARRANT		3 ME		48.0 oz/a	POST					
5 NIS				0.25 % v/v	POST					
2 42 DAP						B		1.4 bc	27.04 a-e	6962 a-e
5 GRAMOXONE		2 SL		12.0 oz/a	POST					
5 STORM		4 SL		16.0 oz/a	POST					
5 WARRANT		3 ME		48.0 oz/a	POST					
5 NIS				0.25 % v/v	POST					
1 16 DAP						A		3.4 a	28.34 a	7297 a
6 GRAMOXONE		2 SL		16.0 oz/a	POST					
6 STORM		4 SL		16.0 oz/a	POST					
6 WARRANT		3 ME		48.0 oz/a	POST					
6 NIS				0.25 % v/v	POST					
2 42 DAP						B		2.5 ab	29.17 a	7510 a
6 GRAMOXONE		2 SL		16.0 oz/a	POST					
6 STORM		4 SL		16.0 oz/a	POST					
6 WARRANT		3 ME		48.0 oz/a	POST					
6 NIS				0.25 % v/v	POST					
1 16 DAP						A		3.8 a	27.74 a-d	7142 a-d
7 GRAMOXONE		2 SL		8.0 oz/a	POST					
7 WARRANT		3 ME		48.0 oz/a	POST					
7 NIS				0.25 % v/v	POST					
2 42 DAP						B		1.4 bc	27.84 abc	7168 abc
7 GRAMOXONE		2 SL		8.0 oz/a	POST					
7 WARRANT		3 ME		48.0 oz/a	POST					
7 NIS				0.25 % v/v	POST					
1 16 DAP						A		3.4 a	26.76 a-e	6891 a-e
8 GRAMOXONE		2 SL		12.0 oz/a	POST					
8 WARRANT		3 ME		48.0 oz/a	POST					
8 NIS				0.25 % v/v	POST					
2 42 DAP						B		1.0 c	24.30 cde	6257 cde
8 GRAMOXONE		2 SL		12.0 oz/a	POST					
8 WARRANT		3 ME		48.0 oz/a	POST					
8 NIS				0.25 % v/v	POST					

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD)

University of Georgia

Weed Code	----	----	----
Crop Code	ARAHY	ARAHY	ARAHY
Part Rated	LAPPED -	PLOT -	PLOT -
Rating Data Type	ROWMIDDLE	YIELD	YIELD
Rating Unit	1-5	LBS/PLOT	LBS/A
Rating Date	Jul-17-18	Sep-24-18	Sep-24-18
Trt-Eval Interval		124 DA-A	124 DA-A
PRM Data Type		TY1	TY1
# Subsamples, Dec.	- 1	- 2	- 0
Trt Treatment	Form Form	Rate	Grow
No. Name	Conc Type Rate Unit	Stg	Code
1 16 DAP		A	
9 GRAMOXONE	2 SL 16.0 oz/a	POST	
9 WARRANT	3 ME 48.0 oz/a	POST	
9 NIS	0.25 % v/v	POST	
2 42 DAP		B	
9 GRAMOXONE	2 SL 16.0 oz/a	POST	
9 WARRANT	3 ME 48.0 oz/a	POST	
9 NIS	0.25 % v/v	POST	
Tukey's HSD P=.10	1.41	3.840	988.8
Standard Deviation	0.56	1.524	392.5
CV	23.90	5.735	5.7

University of Georgia

COMPLETE FACTORIAL AOV For ----- ARAHY PLANT STUNTING PERCENT May-30-18 (Data Column 1) Missing values in column 1 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	70	7315.277778				
R	3	56.944444	18.981481	2.505	0.0844	
A	1	6234.722222	6234.722222	328.463	0.0004	2.4
RA	3	56.944444	18.981481			
B	8	309.027778	38.628472	5.319	0.0007	4.1
RB	24	174.305556	7.262731			
AB	8	309.027778	38.628472	5.097	0.0010	6.9
RAB	23	174.305556	7.578502			

COMPLETE FACTORIAL AOV For ----- ARAHY PLANT NECROSIS PERCENT May-30-18 (Data Column 2) Missing values in column 2 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	70	1777.777778				
R	3	2.777778	0.925926	0.184	0.9064	
A	1	1422.222222	1422.222222	1536.000	0.0001	0.5
RA	3	2.777778	0.925926			
B	8	59.027778	7.378472	1.527	0.2001	3.4
RB	24	115.972222	4.832176			
AB	8	59.027778	7.378472	1.463	0.2245	5.7
RAB	23	115.972222	5.042271			

COMPLETE FACTORIAL AOV For ----- ARAHY PLANT STUNTING PERCENT Jun-11-18 (Data Column 3) Missing values in column 3 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	70	3631.944444				
R	3	6.944444	2.314815	0.357	0.7848	
A	1	3068.055556	3068.055556	1325.400	0.0001	0.8
RA	3	6.944444	2.314815			
B	8	125.694444	15.711806	2.526	0.0377	3.8
RB	24	149.305556	6.221065			
AB	8	125.694444	15.711806	2.420	0.0464	6.4
RAB	23	149.305556	6.491546			

COMPLETE FACTORIAL AOV For ----- ARAHY PLANT STUNTING PERCENT Jun-25-18 (Data Column 4) Missing values in column 4 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	70	1673.109568				
R	3	33.449074	11.149691	1.166	0.3441	
A	1	240.779321	240.779321	10.524	0.0477	2.7
RA	3	68.634259	22.878086			
B	8	495.679012	61.959877	4.563	0.0018	5.6
RB	24	325.925926	13.580247			
AB	8	288.734568	36.091821	3.775	0.0058	7.8
RAB	23	219.907407	9.561192			

COMPLETE FACTORIAL AOV For ----- ARAHY PLANT NECROSIS PERCENT Jun-25-18 (Data Column 5) Missing values in column 5 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	70	9332.716049				
R	3	30.555556	10.185185	0.863	0.4745	
A	1	8595.061728	8595.061728	843.879	0.0001	1.8
RA	3	30.555556	10.185185			
B	8	66.743827	8.342978	0.737	0.6582	5.2
RB	24	271.527778	11.313657			
AB	8	66.743827	8.342978	0.707	0.6829	8.7
RAB	23	271.527778	11.805556			

COMPLETE FACTORIAL AOV For ----- ARAHY PLANT STUNTING PERCENT Jul-17-18 (Data Column 6) Missing values in column 6 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	70	1565.277778				
R	3	515.277778	171.759259	28.443	0.0001	
A	1	401.388889	401.388889	4.844	0.1151	5.0
RA	3	248.611111	82.870370			
B	8	77.777778	9.722222	1.909	0.1055	3.5
RB	24	122.222222	5.092593			
AB	8	61.111111	7.638889	1.265	0.3087	6.2
RAB	23	138.888889	6.038647			

University of Georgia

COMPLETE FACTORIAL AOV For ---- ARAHY LAPPED ROWMDDL 1-5 Jul-17-18 1 (Data Column 7) Missing values in column 7 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	70	104.319444				
R	3	1.347222	0.449074	1.427	0.2604	
A	1	72.000000	72.000000	338.087	0.0004	0.3
RA	3	0.638889	0.212963			
B	8	7.819444	0.977431	2.057	0.0822	1.1
RB	24	11.402778	0.475116			
AB	8	3.875000	0.484375	1.540	0.1981	1.4
RAB	23	7.236111	0.314614			

COMPLETE FACTORIAL AOV For ----- ARAHY PLOT YIELD LBS/PLOT Sep-24-18 124 DA-A 2 (Data Column 8) Missing values in column 8 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	70	584.658700				
R	3	210.220197	70.073399	30.158	0.0001	
A	1	40.775467	40.775467	13.733	0.0341	0.96
RA	3	8.907604	2.969201			
B	8	95.462623	11.932828	2.033	0.0857	3.71
RB	24	140.889907	5.870413			
AB	8	34.960818	4.370102	1.881	0.1127	3.84
RAB	23	53.442083	2.323569			

COMPLETE FACTORIAL AOV For ----- ARAHY PLOT YIELD LBS/A Sep-24-18 124 DA-A TY1 0 (Data Column 9) Missing values in column 9 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	70	38762912.810068				
R	3	13937613.790824	4645871.263608	30.158	0.0001	
A	1	2703416.310386	2703416.310386	13.733	0.0341	246
RA	3	590574.781065	196858.260355			
B	8	6329178.631315	791147.328914	2.033	0.0857	956
RB	24	9341010.743693	389208.780987			
AB	8	2317904.679143	289738.084893	1.881	0.1127	989
RAB	23	3543213.873641	154052.777115			

Part Rated

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

PRM Data Type

TY1 = 257.488*[C8]

PEANUT RESPONSE TO GRAMOXONE/STORM/ WARRANT TANK-MIXTURES (WEED-FREE)	
Trial ID: PE-07-18	Study Dir.:
Location: ATTAPULGUS REC	Investigator: Eric P. Prostko

Weed Code									-----	-----	-----	-----	-----	-----
Crop Code									ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY
Part Rated									PLANT -	PLANT -	PLANT -	PLANT -	PLANT -	PLANT -
Rating Data Type									STUNTING	NECROSIS	STUNTING	STUNTING	NECROSIS	STUNTING
Rating Unit									PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date									May-30-18	May-30-18	Jun-11-18	Jun-25-18	Jun-25-18	Jul-17-18
Trt-Eval Interval														
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	16 DAP						A	101	10.0	5.0	10.0	10.0	0.0	10.0
	GRAMOXONE	2	SL	8.0 oz/a	POST			210	20.0	10.0	15.0	10.0	0.0	0.0
	NIS			0.25 % v/v	POST			317	30.0	10.0	20.0	10.0	0.0	0.0
								411	20.0	10.0	15.0	10.0	0.0	0.0
								Mean =	20.0	8.8	15.0	10.0	0.0	2.5
2	16 DAP						A	102	20.0	5.0	10.0	10.0	0.0	10.0
	GRAMOXONE	2	SL	12.0 oz/a	POST			212	20.0	10.0	20.0	10.0	0.0	10.0
	NIS			0.25 % v/v	POST			320	30.0	10.0	10.0	10.0	0.0	0.0
								408	20.0	10.0	20.0	15.0	0.0	0.0
								Mean =	22.5	8.8	15.0	11.3	0.0	5.0
3	16 DAP						A	103	20.0	10.0	10.0	10.0	0.0	10.0
	GRAMOXONE	2	SL	16.0 oz/a	POST			220	25.0	10.0	10.0	10.0	0.0	10.0
	NIS			0.25 % v/v	POST			309	20.0	5.0	20.0	10.0	0.0	0.0
								412	20.0	10.0	10.0	10.0	0.0	0.0
								Mean =	21.3	8.8	12.5	10.0	0.0	5.0
4	16 DAP						A	104	10.0	10.0	10.0	10.0	0.0	10.0
	GRAMOXONE	2	SL	8.0 oz/a	POST			205	10.0	5.0	10.0	0.0	0.0	0.0
	STORM	4	SL	16.0 oz/a	POST			301	10.0	10.0	10.0	10.0	0.0	0.0
	WARRANT	3	ME	48.0 oz/a	POST			404	10.0	10.0	10.0	10.0	0.0	0.0
	NIS			0.25 % v/v	POST			Mean =	10.0	8.8	10.0	7.5	0.0	2.5
5	16 DAP						A	105	10.0	10.0	10.0	10.0	0.0	10.0
	GRAMOXONE	2	SL	12.0 oz/a	POST			217	10.0	20.0	10.0	10.0	0.0	10.0
	STORM	4	SL	16.0 oz/a	POST			319	20.0	15.0	10.0	10.0	0.0	0.0
	WARRANT	3	ME	48.0 oz/a	POST			403	10.0	10.0	10.0	10.0	0.0	0.0
	NIS			0.25 % v/v	POST			Mean =	12.5	13.8	10.0	10.0	0.0	5.0
6	16 DAP						A	106	15.0	10.0	15.0	15.0	0.0	10.0
	GRAMOXONE	2	SL	16.0 oz/a	POST			219	20.0	5.0	10.0	10.0	0.0	10.0
	STORM	4	SL	16.0 oz/a	POST			311	20.0	10.0	10.0	10.0	0.0	0.0
	WARRANT	3	ME	48.0 oz/a	POST			407	20.0	10.0	15.0	10.0	0.0	0.0
	NIS			0.25 % v/v	POST			Mean =	18.8	8.8	12.5	11.3	0.0	5.0
7	16 DAP						A	107	20.0	10.0	15.0	15.0	0.0	10.0
	GRAMOXONE	2	SL	8.0 oz/a	POST			211	20.0	5.0	10.0	10.0	0.0	10.0
	WARRANT	3	ME	48.0 oz/a	POST			316	20.0	10.0	10.0	0.0	0.0	0.0
	NIS			0.25 % v/v	POST			406	20.0	5.0	15.0	10.0	0.0	0.0
								Mean =	20.0	7.5	12.5	8.8	0.0	5.0
8	16 DAP						A	108	20.0	10.0	15.0	15.0	0.0	10.0
	GRAMOXONE	2	SL	12.0 oz/a	POST			218	20.0	5.0	10.0	10.0	0.0	10.0
	WARRANT	3	ME	48.0 oz/a	POST			314	20.0	5.0	10.0	10.0	0.0	0.0
	NIS			0.25 % v/v	POST			417	30.0	10.0	10.0	15.0	0.0	0.0
								Mean =	22.5	7.5	11.3	12.5	0.0	5.0
9	16 DAP						A	109	20.0	5.0	15.0	15.0	0.0	10.0
	GRAMOXONE	2	SL	16.0 oz/a	POST			215	20.0	10.0	20.0	10.0	0.0	10.0
	WARRANT	3	ME	48.0 oz/a	POST			302	20.0	5.0	20.0	15.0	0.0	0.0
	NIS			0.25 % v/v	POST			405	20.0	10.0	20.0	10.0	0.0	0.0
								Mean =	20.0	7.5	18.8	12.5	0.0	5.0
10	42 DAP						B	110	0.0	0.0	0.0	15.0	25.0	10.0
	GRAMOXONE	2	SL	8.0 oz/a	POST			208	0.0	0.0	0.0	20.0	20.0	10.0
	NIS			0.25 % v/v	POST			312	0.0	0.0	0.0	10.0	25.0	10.0
								413	0.0	0.0	0.0	10.0	20.0	10.0
								Mean =	0.0	0.0	0.0	13.8	22.5	10.0

University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Trt-Eval Interval PRM Data Type # Subsamples, Dec.							----- ARAHY PLANT - STUNTING PERCENT May-30-18	----- ARAHY PLANT - NECROSIS PERCENT May-30-18	----- ARAHY PLANT - STUNTING PERCENT Jun-11-18	----- ARAHY PLANT - STUNTING PERCENT Jun-25-18	----- ARAHY PLANT - NECROSIS PERCENT Jun-25-18	----- ARAHY PLANT - STUNTING PERCENT Jul-17-18		
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3	4	5	6
11	42 DAP					B	111		0.0	0.0	0.0	20.0	25.0	10.0
	GRAMOXONE	2	SL	12.0	oz/a	POST	204		0.0	0.0	0.0	20.0	20.0	10.0
	NIS			0.25	% v/v	POST	308		0.0	0.0	0.0	20.0	20.0	10.0
							419		0.0	0.0	0.0	20.0	25.0	10.0
							Mean =		0.0	0.0	0.0	20.0	22.5	10.0
12	42 DAP					B	112		0.0	0.0	0.0	20.0	20.0	10.0
	GRAMOXONE	2	SL	16.0	oz/a	POST	216		0.0	0.0	0.0	20.0	25.0	10.0
	NIS			0.25	% v/v	POST	307		0.0	0.0	0.0	25.0	20.0	10.0
							402		0.0	0.0	0.0	15.0	25.0	10.0
							Mean =		0.0	0.0	0.0	20.0	22.5	10.0
13	42 DAP					B	113		0.0	0.0	0.0	10.0	25.0	10.0
	GRAMOXONE	2	SL	8.0	oz/a	POST	214		0.0	0.0	0.0	10.0	25.0	10.0
	STORM	4	SL	16.0	oz/a	POST	318		0.0	0.0	0.0	10.0	20.0	10.0
	WARRANT	3	ME	48.0	oz/a	POST	415		0.0	0.0	0.0	10.0	25.0	0.0
	NIS			0.25	% v/v	POST								
							Mean =		0.0	0.0	0.0	10.0	23.8	7.5
14	42 DAP					B	114		0.0	0.0	0.0	10.0	25.0	10.0
	GRAMOXONE	2	SL	12.0	oz/a	POST	207		0.0	0.0	0.0	10.0	25.0	10.0
	STORM	4	SL	16.0	oz/a	POST	303		0.0	0.0	0.0	10.0	20.0	10.0
	WARRANT	3	ME	48.0	oz/a	POST	418		0.0	0.0	0.0	15.0	20.0	10.0
	NIS			0.25	% v/v	POST								
							Mean =		0.0	0.0	0.0	11.3	22.5	10.0
15	42 DAP					B	115		0.0	0.0	0.0	0.0	0.0	10.0
	GRAMOXONE	2	SL	16.0	oz/a	POST	213		0.0	0.0	0.0	10.0	25.0	10.0
	STORM	4	SL	16.0	oz/a	POST	304							
	WARRANT	3	ME	48.0	oz/a	POST	410		0.0	0.0	0.0	10.0	25.0	10.0
	NIS			0.25	% v/v	POST								
							Mean =		0.0	0.0	0.0	6.7	16.7	10.0
16	42 DAP					B	116		0.0	0.0	0.0	15.0	20.0	10.0
	GRAMOXONE	2	SL	8.0	oz/a	POST	203		0.0	0.0	0.0	10.0	25.0	10.0
	WARRANT	3	ME	48.0	oz/a	POST	306		0.0	0.0	0.0	10.0	25.0	0.0
	NIS			0.25	% v/v	POST	414		0.0	0.0	0.0	10.0	20.0	0.0
							Mean =		0.0	0.0	0.0	11.3	22.5	5.0
17	42 DAP					B	117		0.0	0.0	0.0	20.0	20.0	10.0
	GRAMOXONE	2	SL	12.0	oz/a	POST	209		0.0	0.0	0.0	20.0	20.0	10.0
	WARRANT	3	ME	48.0	oz/a	POST	313		0.0	0.0	0.0	10.0	25.0	10.0
	NIS			0.25	% v/v	POST	409		0.0	0.0	0.0	15.0	25.0	10.0
							Mean =		0.0	0.0	0.0	16.3	22.5	10.0
18	42 DAP					B	118		0.0	0.0	0.0	20.0	20.0	10.0
	GRAMOXONE	2	SL	16.0	oz/a	POST	201		0.0	0.0	0.0	20.0	20.0	10.0
	WARRANT	3	ME	48.0	oz/a	POST	305		0.0	0.0	0.0	20.0	20.0	10.0
	NIS			0.25	% v/v	POST	401		0.0	0.0	0.0	10.0	25.0	10.0
							Mean =		0.0	0.0	0.0	17.5	21.3	10.0
19	NTC						119		0.0	0.0	0.0	0.0	0.0	0.0
							202		0.0	0.0	0.0	0.0	0.0	0.0
							310		0.0	0.0	0.0	0.0	0.0	0.0
							416		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
20	NTC						120		0.0	0.0	0.0	0.0	0.0	0.0
							206		0.0	0.0	0.0	0.0	0.0	0.0
							315		0.0	0.0	0.0	0.0	0.0	0.0
							420		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

University of Georgia

Weed Code							-----	-----	-----
Crop Code							ARAHY	ARAHY	ARAHY
Part Rated							LAPPED -	PLOT -	PLOT -
Rating Data Type							ROWMIDDL	YIELD	YIELD
Rating Unit							1-5	LBS/PLOT	LBS/A
Rating Date							Jul-17-18	Sep-24-18	Sep-24-18
Trt-Eval Interval								124 DA-A	124 DA-A
PRM Data Type									TY1
# Subsamples, Dec.							- 1	- 2	- 0
Trt	Treatment	Form	Form	Rate	Grow	Appl			
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	
1	16 DAP					A	101		
	GRAMOXONE	2	SL	8.0 oz/a	POST		210	4.0	
	NIS			0.25 % v/v	POST		317	23.80	
							411	30.00	
							Mean =	26.20	
								27.25	
								7017	
								6904	
2	16 DAP					A	102		
	GRAMOXONE	2	SL	12.0 oz/a	POST		212	4.0	
	NIS			0.25 % v/v	POST		320	3.5	
							408	29.95	
							Mean =	28.45	
								22.05	
								5678	
								6881	
3	16 DAP					A	103		
	GRAMOXONE	2	SL	16.0 oz/a	POST		220	3.5	
	NIS			0.25 % v/v	POST		309	2.0	
							412	27.60	
							Mean =	29.80	
								7673	
								6463	
								7055	
4	16 DAP					A	104		
	GRAMOXONE	2	SL	8.0 oz/a	POST		205	3.0	
	STORM	4	SL	16.0 oz/a	POST		301	4.5	
	WARRANT	3	ME	48.0 oz/a	POST		404	30.40	
	NIS			0.25 % v/v	POST		Mean =	27.40	
								24.30	
								6759	
								7828	
								7055	
								6257	
								6975	
5	16 DAP					A	105		
	GRAMOXONE	2	SL	12.0 oz/a	POST		217	3.5	
	STORM	4	SL	16.0 oz/a	POST		319	4.0	
	WARRANT	3	ME	48.0 oz/a	POST		403	29.45	
	NIS			0.25 % v/v	POST		Mean =	29.60	
								7622	
								6540	
								7261	
6	16 DAP					A	106		
	GRAMOXONE	2	SL	16.0 oz/a	POST		219	4.0	
	STORM	4	SL	16.0 oz/a	POST		311	33.60	
	WARRANT	3	ME	48.0 oz/a	POST		407	2.5	
	NIS			0.25 % v/v	POST		Mean =	29.05	
								27.00	
								6952	
								6102	
								7297	
7	16 DAP					A	107		
	GRAMOXONE	2	SL	8.0 oz/a	POST		211	3.0	
	WARRANT	3	ME	48.0 oz/a	POST		316	4.0	
	NIS			0.25 % v/v	POST		406	30.25	
							Mean =	29.95	
								7712	
								6025	
								7142	
8	16 DAP					A	108		
	GRAMOXONE	2	SL	12.0 oz/a	POST		218	3.0	
	WARRANT	3	ME	48.0 oz/a	POST		314	28.25	
	NIS			0.25 % v/v	POST		417	27.10	
							Mean =	27.10	
								6978	
								6978	
								6334	
								6891	
9	16 DAP					A	109		
	GRAMOXONE	2	SL	16.0 oz/a	POST		215	2.5	
	WARRANT	3	ME	48.0 oz/a	POST		302	3.5	
	NIS			0.25 % v/v	POST		405	28.40	
							Mean =	23.00	
								5922	
								6437	
								6936	
10	42 DAP					B	110		
	GRAMOXONE	2	SL	8.0 oz/a	POST		208	1.5	
	NIS			0.25 % v/v	POST		312	22.55	
							413	27.90	
							Mean =	22.85	
								5884	
								5755	
								6157	

University of Georgia

Weed Code						----	-----	-----
Crop Code						ARAHY	ARAHY	ARAHY
Part Rated						LAPPED -	PLOT -	PLOT -
Rating Data Type						ROWMIDDL	YIELD	YIELD
Rating Unit						1-5	LBS/PLOT	LBS/A
Rating Date						Jul-17-18	Sep-24-18	Sep-24-18
Trt-Eval Interval							124 DA-A	124 DA-A
PRM Data Type								TY1
# Subsamples, Dec.						- 1	- 2	- 0
Trt	Treatment	Form	Form	Rate	Grow	Appl		
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	7	8
11	42 DAP					B 111	1.0	25.20
	GRAMOXONE	2 SL		12.0 oz/a	POST	204	1.0	26.90
	NIS			0.25 % v/v	POST	308	1.0	25.10
						419	1.0	24.65
						Mean =	1.0	25.46
12	42 DAP					B 112	1.0	25.40
	GRAMOXONE	2 SL		16.0 oz/a	POST	216	1.0	26.05
	NIS			0.25 % v/v	POST	307	1.0	24.10
						402	1.0	19.65
						Mean =	1.0	23.80
13	42 DAP					B 113	2.0	29.00
	GRAMOXONE	2 SL		8.0 oz/a	POST	214	1.0	28.20
	STORM	4 SL		16.0 oz/a	POST	318	1.5	25.70
	WARRANT	3 ME		48.0 oz/a	POST	415	2.0	23.30
	NIS			0.25 % v/v	POST			
						Mean =	1.6	26.55
14	42 DAP					B 114	1.5	28.15
	GRAMOXONE	2 SL		12.0 oz/a	POST	207	1.0	26.65
	STORM	4 SL		16.0 oz/a	POST	303	1.5	26.55
	WARRANT	3 ME		48.0 oz/a	POST	418	1.5	26.80
	NIS			0.25 % v/v	POST			
						Mean =	1.4	27.04
15	42 DAP					B 115	5.0	32.85
	GRAMOXONE	2 SL		16.0 oz/a	POST	213	1.5	29.55
	STORM	4 SL		16.0 oz/a	POST	304	.	.
	WARRANT	3 ME		48.0 oz/a	POST	410	1.0	25.10
	NIS			0.25 % v/v	POST			
						Mean =	2.5	29.17
16	42 DAP					B 116	1.0	29.00
	GRAMOXONE	2 SL		8.0 oz/a	POST	203	1.0	28.85
	WARRANT	3 ME		48.0 oz/a	POST	306	2.0	28.30
	NIS			0.25 % v/v	POST	414	1.5	25.20
						Mean =	1.4	27.84
17	42 DAP					B 117	1.0	26.90
	GRAMOXONE	2 SL		12.0 oz/a	POST	209	1.0	28.20
	WARRANT	3 ME		48.0 oz/a	POST	313	1.0	22.00
	NIS			0.25 % v/v	POST	409	1.0	20.10
						Mean =	1.0	24.30
18	42 DAP					B 118	1.0	29.00
	GRAMOXONE	2 SL		16.0 oz/a	POST	201	1.0	24.00
	WARRANT	3 ME		48.0 oz/a	POST	305	1.0	22.85
	NIS			0.25 % v/v	POST	401	1.0	21.70
						Mean =	1.0	24.39
19	NTC					119	5.0	34.20
						202	4.5	27.95
						310	4.0	31.05
						416	4.0	27.75
						Mean =	4.4	30.24
20	NTC					120	5.0	33.55
						206	5.0	33.30
						315	4.0	29.60
						420	4.0	25.35
						Mean =	4.5	30.45

University of Georgia

PEANUT RESPONSE TO GRAMOXONE/STORM/ WARRANT TANK-MIXTURES (WEED-FREE) Trial ID: PE-07-18 Study Dir.: Location: ATTAPULGUS REC Investigator: Eric P. Prostko	
Part Rated	
PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)	
PRM Data Type	
TY1 = 257.488*[C8]	