

# University of Georgia

WEED CONTROL IN PEANUT WITH GRAMOXONE 3SL  
AND GRAMOXONE MAGNUM

Trial ID: PE-16-19      Study Dir.: HENRY MCLEAN  
Location: ATTAPULGUS      Investigator: Eric P. Prostko

Reps: 3      Plots: 6 by 20 feet  
Appl. Amount: 15 GAL/AC      Mix Size: 1.5 L (total for 3 plots; minimum=0.4693 L)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Diluent	Rep		
										1	2	3
1	NTC								-	101	206	305
2	GRAMOXONE INDUCE	2 SL		8.0 oz/a		EPOST A		6.249 mL/mx 3.75 mL/mx	1490.0 mL	102	208	312
3	GRAMOXONE STORM	2 SL		12.0 oz/a		EPOST A		9.374 mL/mx	1465.6 mL	103	211	308
		4 SL		16.0 oz/a		EPOST A		12.5 mL/mx				
	DUAL MAGNUM	7.62 EC		16.0 oz/a		EPOST A		12.5 mL/mx				
4	GRAMOXONE STORM	2 SL		16.0 oz/a		EPOST A		12.5 mL/mx	1462.5 mL	104	201	311
		4 SL		16.0 oz/a		EPOST A		12.5 mL/mx				
	DUAL MAGNUM	7.62 EC		16.0 oz/a		EPOST A		12.5 mL/mx				
5	GRAMOXONE INDUCE	3 SL		5.3 oz/a		EPOST A		4.14 mL/mx 3.75 mL/mx	1492.1 mL	105	210	303
6	GRAMOXONE STORM	3 SL		8.0 oz/a		EPOST A		6.249 mL/mx	1468.8 mL	106	207	309
		4 SL		16.0 oz/a		EPOST A		12.5 mL/mx				
	DUAL MAGNUM	7.62 EC		16.0 oz/a		EPOST A		12.5 mL/mx				
7	GRAMOXONE STORM	3 SL		10.7 oz/a		EPOST A		8.358 mL/mx	1466.6 mL	107	212	301
		4 SL		16.0 oz/a		EPOST A		12.5 mL/mx				
	DUAL MAGNUM	7.62 EC		16.0 oz/a		EPOST A		12.5 mL/mx				
8	GRAMOXONE MAGNUM STORM	3.33 EW		12.0 oz/a		EPOST A		9.374 mL/mx	1468.1 mL	108	205	302
		4 SL		16.0 oz/a		EPOST A		12.5 mL/mx				
	DUAL MAGNUM	7.62 EC		12.8 oz/a		EPOST A		9.999 mL/mx				
9	GRAMOXONE MAGNUM STORM	3.33 EW		18.0 oz/a		EPOST A		14.06 mL/mx	1464.6 mL	109	203	310
		4 SL		16.0 oz/a		EPOST A		12.5 mL/mx				
	DUAL MAGNUM	7.62 EC		11.3 oz/a		EPOST A		8.827 mL/mx				
10	GRAMOXONE MAGNUM STORM	3.33 EW		24.0 oz/a		EPOST A		18.75 mL/mx	1461.2 mL	110	204	306
		4 SL		16.0 oz/a		EPOST A		12.5 mL/mx				
	DUAL MAGNUM	7.62 EC		9.7 oz/a		EPOST A		7.577 mL/mx				
11	GRAMOXONE STORM	2 SL		12.0 oz/a		EPOST A		9.374 mL/mx	1472.4 mL	111	209	307
		4 SL		16.0 oz/a		EPOST A		12.5 mL/mx				
	ZIDUA	4.17 SC		2.5 oz/a		EPOST A		1.953 mL/mx				
	INDUCE			0.25 % v/v		EPOST A		3.75 mL/mx				
12	NTC							-	112	202	304	

Sort Order: Treatment

Trial Comments

GRAMOXONE MAGNUM (GM) = PARAQUAT (1.33 LB/GAL) + S-MOC (2.0 LB/GAL)

12 OZ/A OF GM = 0.125 LB AI/A PARAQUAT + 0.1875 LB AI/A S-MOC (3.2 OZ/A DUAL MAGNUM)

18 OZ/A OF GM = 0.1875 LB AI/A PARAQUAT + 0.28 LB AI/A S-MOC (4.7 OZ/A OF DUAL MAGNUM)

24 OZ/A OF GM = 0.25 LB AI/A PARAQUAT + 0.375 LB AI/A S-MOC (6.3 OZ/A DUAL MAGNUM)

ANNUAL GRASS = NON-UNIFORM MIXTURE OF TEXAS PANICUM, CRABGRASS, CROWFOOTGRASS, GOOSEGRASS, BROADLEAF SIGNALGRASS

**SUMMARY:**

1) GENERALLY, THERE WERE NO DIFFERENCES IN PEANUT INJURY OR WEED CONTROL BETWEEN THE OLD AND NEW FORMULATIONS OF GRAMOXONE.

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WEED CONTROL IN PEANUT WITH GRAMOXONE 3SL  
AND GRAMOXONE MAGNUM  
Trial ID: PE-16-19 Study Dir.: HENRY MCLEAN  
Location: ATTAPULGUS Investigator: Eric P. Prostko

### GENERAL TRIAL INFORMATION

**Study Director:** HENRY MCLEAN **Title:** \_\_\_\_\_  
**Affiliation:** \_\_\_\_\_ **Postal Code:** \_\_\_\_\_

**Investigator:** Eric P. Prostko **Title:** \_\_\_\_\_  
**Affiliation:** \_\_\_\_\_ **Postal Code:** \_\_\_\_\_

**Trial Status:** E **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 TX PAN/GOOOSE/CROW  
**Weed 3.** CYPSP YELLOW/PURPLE NUTSEDGE **4.** DEDTO FL BEGGARWEED  
**Weed 5.** CASOB SICKLEPOD **6.** IAQTA SMALLFLOWER MORNINGGLORY

**Crop 1:** ARAHY PEANUT **Variety:** GA-06G **Planting Date:** May-7-19  
**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:** 20 FT **Reps:** 3  
**Site Type:** \_\_\_\_\_  
**Tillage Type:** CONVENTIONAL **Study Design:** RACOBL  
**Trial Initiation Comments:** THIMET INFR @ 5 LBS/A; RANCONA VPD SEED TRT;

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<b>Previous: Crops</b>	<b>Pesticides</b>	<b>Year</b>
1. FALLOW	2018	_____

### MAINTENANCE

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

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

### SOIL DESCRIPTION

**Texture:** LOAMY SAND **% OM:** 1.59 **% Sand:** 84 **% Silt:** 6 **% Clay:** 10  
**pH:** 6.0 **CEC:** \_\_\_\_\_ **Soil Name:** ORANGEBURG **Fertility Level:** GOOD

### MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. May-9-19	_____	0.44	IN	RAINFALL	_____	_____
2. May-10-19	_____	0.06	IN	RAINFALL	_____	_____
3. May-11-19	_____	0.03	IN	RAINFALL	_____	_____
4. May-12-19	_____	0.16	IN	RAINFALL	_____	_____
5. May-15-19	_____	0.5	IN	SPRINKLER - CENTER PIVOT	_____	_____
6. May-20-19	_____	0.5	IN	SPRINKLER - CENTER PIVOT	_____	_____
7. May-23-19	_____	0.5	IN	SPRINKLER - CENTER PIVOT	_____	_____
8. May-30-19	_____	0.5	IN	SPRINKLER - CENTER PIVOT	_____	_____
9. Jun-4-19	_____	0.5	IN	SPRINKLER - CENTER PIVOT	_____	_____
10. Jul-2-19	_____	0.5	IN	SPRINKLER - CENTER PIVOT	_____	_____

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

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Trial ID: PE-16-19      Study Dir.: HENRY MCLEAN  
 Location: ATTAPULGUS      Investigator: Eric P. Prostko

		APPLICATION DESCRIPTION					
		A	B	C	D	E	F
Application Date:	May-17-19	_____	_____	_____	_____	_____	_____
Time of Day:	10:00 AM	_____	_____	_____	_____	_____	_____
Application Method:	BROADCAST	_____	_____	_____	_____	_____	_____
Application Timing:	EPOST	_____	_____	_____	_____	_____	_____
Applic. Placement:	FOLIAGE	_____	_____	_____	_____	_____	_____
Air Temp., Unit:	78 F	_____	_____	_____	_____	_____	_____
% Relative Humidity:	58	_____	_____	_____	_____	_____	_____
Wind Velocity, Unit:	2 MPH	_____	_____	_____	_____	_____	_____
Dew Presence (Y/N):	N	_____	_____	_____	_____	_____	_____
Water Hardness:		_____	_____	_____	_____	_____	_____
Soil Temp., Unit:	76 F	_____	_____	_____	_____	_____	_____
Soil Moisture:	OPTIMUM	_____	_____	_____	_____	_____	_____
% Cloud Cover:	30	_____	_____	_____	_____	_____	_____

		CROP STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Crop 1	Stage: ARAHY	_____	_____	_____	_____	_____	_____
Stage Scale:	2" <sup>T</sup> ;V3-V4	_____	_____	_____	_____	_____	_____
Height, Unit:		_____	_____	_____	_____	_____	_____

		WEED STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Weed 1	Stage: AMAPA 0.5" <sup>T</sup>	_____	_____	_____	_____	_____	_____
Stage Scale:		_____	_____	_____	_____	_____	_____
Density, Unit:		_____	_____	_____	_____	_____	_____
Weed 2	Stage: AGRASS 0.5" <sup>T</sup>	_____	_____	_____	_____	_____	_____
Stage Scale:		_____	_____	_____	_____	_____	_____
Density, Unit:		_____	_____	_____	_____	_____	_____
Weed 3	Stage: CYPSP 3-5" <sup>T</sup>	_____	_____	_____	_____	_____	_____
Stage Scale:		_____	_____	_____	_____	_____	_____
Density, Unit:		_____	_____	_____	_____	_____	_____
Weed 4	Stage: DEDTO 0.5" <sup>T</sup>	_____	_____	_____	_____	_____	_____
Stage Scale:		_____	_____	_____	_____	_____	_____
Density, Unit:		_____	_____	_____	_____	_____	_____
Weed 5	Stage: CASOB 0.5-1" <sup>T</sup>	_____	_____	_____	_____	_____	_____
Stage Scale:		_____	_____	_____	_____	_____	_____
Density, Unit:		_____	_____	_____	_____	_____	_____
Weed 6	Stage: IAQTA 0.5" <sup>T</sup>	_____	_____	_____	_____	_____	_____
Stage Scale:		_____	_____	_____	_____	_____	_____
Density, Unit:		_____	_____	_____	_____	_____	_____

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

Trt No	Treatment Application Comment
_____	_____

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Trial ID: PE-16-19		Study Dir.: HENRY MCLEAN											
Location: ATTAPULGUS		Investigator: Eric P. Probstko											
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	----- ARAHY Stunting Percent May-22-19 5 DA-A	----- ARAHY LeafBurn Percent May-22-19 5 DA-A	AMAPA ----- Control Percent May-22-19 5 DA-A	DEDTO ----- Control Percent May-22-19 5 DA-A	AGRASS ----- Control Percent May-22-19 5 DA-A	AMAPA ----- Control Percent May-31-19 14 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6	
1	NTC						0.0 c	0.0 c	0.0 b	0.0 b	0.0 b	0.0 c	
2	GRAMOXONE INDUCE	2 SL		8.0 oz/a 0.25 % v/v	EPOST A EPOST A		0.0 c	13.3 ab	99.0 a	99.0 a	99.0 a	94.7 b	
3	GRAMOXONE STORM DUAL MAGNUM	2 SL 4 SL 7.62 EC		12.0 oz/a 16.0 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A		11.7 ab	15.0 ab	99.0 a	99.0 a	99.0 a	99.0 a	
4	GRAMOXONE STORM DUAL MAGNUM	2 SL 4 SL 7.62 EC		16.0 oz/a 16.0 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A		13.3 a	16.7 ab	99.0 a	99.0 a	99.0 a	99.0 a	
5	GRAMOXONE INDUCE	3 SL		5.3 oz/a 0.25 % v/v	EPOST A EPOST A		6.7 b	13.3 ab	99.0 a	99.0 a	99.0 a	96.0 b	
6	GRAMOXONE STORM DUAL MAGNUM	3 SL 4 SL 7.62 EC		8.0 oz/a 16.0 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A		10.0 ab	16.7 ab	99.0 a	99.0 a	99.0 a	99.0 a	
7	GRAMOXONE STORM DUAL MAGNUM	3 SL 4 SL 7.62 EC		10.7 oz/a 16.0 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A		13.3 a	16.7 ab	99.0 a	99.0 a	99.0 a	99.0 a	
8	GRAMOXONE MAGNUM STORM DUAL MAGNUM	3.33 EW 4 SL 7.62 EC		12.0 oz/a 16.0 oz/a 12.8 oz/a	EPOST A EPOST A EPOST A		6.7 b	11.7 b	99.0 a	99.0 a	99.0 a	99.0 a	
9	GRAMOXONE MAGNUM STORM DUAL MAGNUM	3.33 EW 4 SL 7.62 EC		18.0 oz/a 16.0 oz/a 11.3 oz/a	EPOST A EPOST A EPOST A		11.7 ab	18.3 a	99.0 a	99.0 a	99.0 a	99.0 a	
10	GRAMOXONE MAGNUM STORM DUAL MAGNUM	3.33 EW 4 SL 7.62 EC		24.0 oz/a 16.0 oz/a 9.7 oz/a	EPOST A EPOST A EPOST A		11.7 ab	15.0 ab	99.0 a	99.0 a	99.0 a	99.0 a	
11	GRAMOXONE STORM ZIDUA INDUCE	2 SL 4 SL 4.17 SC		12.0 oz/a 16.0 oz/a 2.5 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A		8.3 ab	15.0 ab	99.0 a	99.0 a	99.0 a	99.0 a	
12	NTC						0.0 c	0.0 c	0.0 b	0.0 b	0.0 b	0.0 c	
LSD P=.10							6.27	5.51	.	.	.	2.67	
Standard Deviation							4.47	3.93	0.00	0.00	0.00	0.00	1.90
CV							57.52	31.12	0.0	0.0	0.0	0.0	2.33
Grand Mean							7.78	12.64	82.50	82.50	82.50	82.50	81.89
Bartlett's X2							6.435	3.005	0.00	0.00	0.00	0.00	0.039
P(Bartlett's X2)							0.599	0.934	.	.	.	.	0.843

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).  
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
Could not calculate LSD (% mean diff) for columns 3,4,5 because error mean square = 0.

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WEED CONTROL IN PEANUT WITH GRAMOXONE 3SL AND GRAMOXONE MAGNUM							AGRASS	AMAPA	AGRASS	AMAPA	AGRASS	Total	
Trial ID: PE-16-19 Study Dir.: HENRY MCLEAN							Control Percent	Control Percent	Control Percent	Control Percent	Control Percent	Control Percent	Weed - Coverage PERCENT
Location: ATTAPULGUS Investigator: Eric P. Prostko							May-31-19 14 DA-A	Jun-12-19 26 DA-A	Jun-12-19 26 DA-A	Jun-24-19 38 DA-A	Jun-24-19 38 DA-A	Jun-24-19 38 DA-A	
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 d	0.0 c	0.0 d	0.0 c	0.0 b	100.0 a	
2	GRAMOXONE INDUCE	2 SL		8.0 oz/a 0.25 % v/v	EPOST A		94.7 b	86.7 b	76.3 bc	83.3 b	76.3 a	96.7 ab	
3	GRAMOXONE STORM DUAL MAGNUM	2 SL 4 SL 7.62 EC		12.0 oz/a 16.0 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A		99.0 a	99.0 a	86.7 abc	96.0 a	85.0 a	75.0 d	
4	GRAMOXONE STORM DUAL MAGNUM	2 SL 4 SL 7.62 EC		16.0 oz/a 16.0 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A		96.0 ab	99.0 a	86.7 abc	97.7 a	78.0 a	68.3 d	
5	GRAMOXONE INDUCE	3 SL		5.3 oz/a 0.25 % v/v	EPOST A EPOST A		86.7 c	88.3 b	73.3 c	84.7 b	73.3 a	95.0 abc	
6	GRAMOXONE STORM DUAL MAGNUM	3 SL 4 SL 7.62 EC		8.0 oz/a 16.0 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A		99.0 a	99.0 a	90.0 ab	97.7 a	83.0 a	70.0 d	
7	GRAMOXONE STORM DUAL MAGNUM	3 SL 4 SL 7.62 EC		10.7 oz/a 16.0 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A		96.3 ab	99.0 a	85.0 abc	99.0 a	89.7 a	76.7 cd	
8	GRAMOXONE MAGNUM STORM DUAL MAGNUM	3.33 EW 4 SL 7.62 EC		12.0 oz/a 16.0 oz/a 12.8 oz/a	EPOST A EPOST A EPOST A		96.3 ab	96.3 a	80.0 abc	96.3 a	78.3 a	70.0 d	
9	GRAMOXONE MAGNUM STORM DUAL MAGNUM	3.33 EW 4 SL 7.62 EC		18.0 oz/a 16.0 oz/a 11.3 oz/a	EPOST A EPOST A EPOST A		96.3 ab	99.0 a	83.3 abc	99.0 a	83.3 a	70.0 d	
10	GRAMOXONE MAGNUM STORM DUAL MAGNUM	3.33 EW 4 SL 7.62 EC		24.0 oz/a 16.0 oz/a 9.7 oz/a	EPOST A EPOST A EPOST A		97.7 ab	99.0 a	86.7 abc	99.0 a	89.7 a	61.7 d	
11	GRAMOXONE STORM ZIDUA INDUCE	2 SL 4 SL 4.17 SC		12.0 oz/a 16.0 oz/a 2.5 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A EPOST A		97.7 ab	99.0 a	93.3 a	99.0 a	91.7 a	80.0 bcd	
12	NTC						0.0 d	0.0 c	0.0 d	0.0 c	0.0 b	100.0 a	
LSD P=.10							3.80	6.01	13.74	9.83	19.18	19.27	
Standard Deviation							2.71	4.28	9.80	7.01	13.68	13.75	
CV							3.39	5.33	13.98	8.84	19.82	17.12	
Grand Mean							79.97	80.36	70.11	79.31	69.03	80.28	
Bartlett's X2							3.34	3.819	9.21	15.054	8.843	10.249	
P(Bartlett's X2)							0.852	0.148	0.418	0.01*	0.452	0.331	

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
 Could not calculate LSD (% mean diff) for columns 3,4,5 because error mean square = 0.

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WEED CONTROL IN PEANUT WITH GRAMOXONE 3SL AND GRAMOXONE MAGNUM						
Trial ID:		PE-16-19	Study Dir.:		HENRY MCLEAN	
Location:		ATTAPULGUS	Investigator:		Eric P. Prostko	
Randomized Complete Block (RCB) AOV For ----- ARAHY Stunting Percent May-22-19 5 DA-A (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	1372.22222				
Replicate	2	43.055556	21.527778	1.076	0.3583	
Treatment	11	888.888889	80.808081	4.038	0.0026	
Error	22	440.277778	20.012626			
Randomized Complete Block (RCB) AOV For ----- ARAHY LeafBurn Percent May-22-19 5 DA-A (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	1624.305556				
Replicate	2	26.388889	13.194444	0.853	0.4397	
Treatment	11	1257.638889	114.330808	7.392	0.0001	
Error	22	340.277778	15.467172			
Randomized Complete Block (RCB) AOV For AMAPA ----- Control Percent May-22-19 5 DA-A (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	49005.000000				
Replicate	2	0.000000	0.000000	0.000	1.0000	
Treatment	11	49005.000000	4455.000000	0.000	1.0000	
Error	22	0.000000	0.000000			
Randomized Complete Block (RCB) AOV For DEDTO ----- Control Percent May-22-19 5 DA-A (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	49005.000000				
Replicate	2	0.000000	0.000000	0.000	1.0000	
Treatment	11	49005.000000	4455.000000	0.000	1.0000	
Error	22	0.000000	0.000000			
Randomized Complete Block (RCB) AOV For AGRASS ----- Control Percent May-22-19 5 DA-A (Data Column 5)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	49005.000000				
Replicate	2	0.000000	0.000000	0.000	1.0000	
Treatment	11	49005.000000	4455.000000	0.000	1.0000	
Error	22	0.000000	0.000000			
Randomized Complete Block (RCB) AOV For AMAPA ----- Control Percent May-31-19 14 DA-A (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	48443.555556				
Replicate	2	14.888889	7.444444	2.053	0.1522	
Treatment	11	48348.888889	4395.353535	1212.089	0.0001	
Error	22	79.777778	3.626263			
Randomized Complete Block (RCB) AOV For AGRASS ----- Control Percent May-31-19 14 DA-A (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	46550.972222				
Replicate	2	3.388889	1.694444	0.231	0.7955	
Treatment	11	46386.305556	4216.936869	575.235	0.0001	
Error	22	161.277778	7.330808			
Randomized Complete Block (RCB) AOV For AMAPA ----- Control Percent Jun-12-19 26 DA-A (Data Column 8)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	47612.305556				
Replicate	2	90.055556	45.027778	2.452	0.1093	
Treatment	11	47118.305556	4283.482323	233.291	0.0001	
Error	22	403.944444	18.361111			
Randomized Complete Block (RCB) AOV For AGRASS ----- Control Percent Jun-12-19 26 DA-A (Data Column 9)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	38515.555556				
Replicate	2	8.388889	4.194444	0.044	0.9573	
Treatment	11	36394.888889	3308.626263	34.460	0.0001	
Error	22	2112.277778	96.012626			
Randomized Complete Block (RCB) AOV For AMAPA ----- Control Percent Jun-24-19 38 DA-A (Data Column 10)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	47477.638889				
Replicate	2	141.722222	70.861111	1.441	0.2581	
Treatment	11	46254.305556	4204.936869	85.529	0.0001	
Error	22	1081.611111	49.164141			
Randomized Complete Block (RCB) AOV For AGRASS ----- Control Percent Jun-24-19 38 DA-A (Data Column 11)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	39770.972222				
Replicate	2	289.388889	144.694444	0.773	0.4737	
Treatment	11	35364.305556	3214.936869	17.178	0.0001	
Error	22	4117.277778	187.148990			

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WEED CONTROL IN PEANUT WITH GRAMOXONE 3SL AND GRAMOXONE MAGNUM					
Trial ID:	PE-16-19	Study Dir.:	HENRY MCLEAN		
Location:	ATTAPULGUS	Investigator:	Eric P. Prostko		
Randomized Complete Block (RCB) AOV For Total Weed Coverage PERCENT Jun-24-19 38 DA-A (Data Column 12)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	11047.222222			
Replicate	2	559.722222	279.861111	1.481	0.2492
Treatment	11	6330.555556	575.505051	3.046	0.0126
Error	22	4156.944444	188.952020		
<u>Weed Code</u>					
AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.					
DEDTO = BEGGARWEED, FLORIDA / DESMODIUM TORTUOSUM (SWEET) DC.					

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WEED CONTROL IN PEANUT WITH GRAMOXONE 3SL AND GRAMOXONE MAGNUM						-----	-----	AMAPA	DEDTO	AGRASS	AMAPA	
Trial ID: PE-16-19		Study Dir.: HENRY MCLEAN										
Location: ATTAPULGUS		Investigator: Eric P. Prostko										
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	Stunting Percent May-22-19 5 DA-A	LeafBurn Percent May-22-19 5 DA-A	Control Percent May-22-19 5 DA-A	Control Percent May-22-19 5 DA-A	Control Percent May-22-19 5 DA-A	Control Percent May-31-19 14 DA-A
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
					206		0.0	0.0	0.0	0.0	0.0	0.0
					305		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 GRAMOXONE INDUCE	2 SL		8.0 oz/a	EPOST A	102		0.0	15.0	99.0	99.0	99.0	90.0
			0.25 % v/v	EPOST A	208		0.0	15.0	99.0	99.0	99.0	95.0
					312		0.0	10.0	99.0	99.0	99.0	99.0
					Mean =		0.0	13.3	99.0	99.0	99.0	94.7
3 GRAMOXONE STORM DUAL MAGNUM	2 SL		12.0 oz/a	EPOST A	103		10.0	15.0	99.0	99.0	99.0	99.0
	4 SL		16.0 oz/a	EPOST A	211		15.0	15.0	99.0	99.0	99.0	99.0
	7.62 EC		16.0 oz/a	EPOST A	308		10.0	15.0	99.0	99.0	99.0	99.0
					Mean =		11.7	15.0	99.0	99.0	99.0	99.0
4 GRAMOXONE STORM DUAL MAGNUM	2 SL		16.0 oz/a	EPOST A	104		15.0	20.0	99.0	99.0	99.0	99.0
	4 SL		16.0 oz/a	EPOST A	201		15.0	20.0	99.0	99.0	99.0	99.0
	7.62 EC		16.0 oz/a	EPOST A	311		10.0	10.0	99.0	99.0	99.0	99.0
					Mean =		13.3	16.7	99.0	99.0	99.0	99.0
5 GRAMOXONE INDUCE	3 SL		5.3 oz/a	EPOST A	105		10.0	10.0	99.0	99.0	99.0	90.0
			0.25 % v/v	EPOST A	210		0.0	10.0	99.0	99.0	99.0	99.0
					303		10.0	20.0	99.0	99.0	99.0	99.0
					Mean =		6.7	13.3	99.0	99.0	99.0	96.0
6 GRAMOXONE STORM DUAL MAGNUM	3 SL		8.0 oz/a	EPOST A	106		15.0	15.0	99.0	99.0	99.0	99.0
	4 SL		16.0 oz/a	EPOST A	207		0.0	15.0	99.0	99.0	99.0	99.0
	7.62 EC		16.0 oz/a	EPOST A	309		15.0	20.0	99.0	99.0	99.0	99.0
					Mean =		10.0	16.7	99.0	99.0	99.0	99.0
7 GRAMOXONE STORM DUAL MAGNUM	3 SL		10.7 oz/a	EPOST A	107		15.0	10.0	99.0	99.0	99.0	99.0
	4 SL		16.0 oz/a	EPOST A	212		10.0	20.0	99.0	99.0	99.0	99.0
	7.62 EC		16.0 oz/a	EPOST A	301		15.0	20.0	99.0	99.0	99.0	99.0
					Mean =		13.3	16.7	99.0	99.0	99.0	99.0
8 GRAMOXONE MAGNUM STORM DUAL MAGNUM	3.33 EW		12.0 oz/a	EPOST A	108		10.0	15.0	99.0	99.0	99.0	99.0
	4 SL		16.0 oz/a	EPOST A	205		0.0	10.0	99.0	99.0	99.0	99.0
	7.62 EC		12.8 oz/a	EPOST A	302		10.0	10.0	99.0	99.0	99.0	99.0
					Mean =		6.7	11.7	99.0	99.0	99.0	99.0
9 GRAMOXONE MAGNUM STORM DUAL MAGNUM	3.33 EW		18.0 oz/a	EPOST A	109		15.0	20.0	99.0	99.0	99.0	99.0
	4 SL		16.0 oz/a	EPOST A	203		10.0	20.0	99.0	99.0	99.0	99.0
	7.62 EC		11.3 oz/a	EPOST A	310		10.0	15.0	99.0	99.0	99.0	99.0
					Mean =		11.7	18.3	99.0	99.0	99.0	99.0
10 GRAMOXONE MAGNUM STORM DUAL MAGNUM	3.33 EW		24.0 oz/a	EPOST A	110		15.0	10.0	99.0	99.0	99.0	99.0
	4 SL		16.0 oz/a	EPOST A	204		10.0	20.0	99.0	99.0	99.0	99.0
	7.62 EC		9.7 oz/a	EPOST A	306		10.0	15.0	99.0	99.0	99.0	99.0
					Mean =		11.7	15.0	99.0	99.0	99.0	99.0
11 GRAMOXONE STORM ZIDUA INDUCE	2 SL		12.0 oz/a	EPOST A	111		0.0	10.0	99.0	99.0	99.0	99.0
	4 SL		16.0 oz/a	EPOST A	209		15.0	20.0	99.0	99.0	99.0	99.0
	4.17 SC		2.5 oz/a	EPOST A	307		10.0	15.0	99.0	99.0	99.0	99.0
			0.25 % v/v	EPOST A								
					Mean =		8.3	15.0	99.0	99.0	99.0	99.0
12 NTC					112		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
					304		0.0	0.0	0.0	0.0	0.0	0.0
					Mean =		0.0	0.0	0.0	0.0	0.0	0.0



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WEED CONTROL IN PEANUT WITH GRAMOXONE 3SL AND GRAMOXONE MAGNUM						AGRASS	AMAPA	AGRASS	AMAPA	AGRASS	Total	
Trial ID: PE-16-19 Study Dir.: HENRY MCLEAN						-----	-----	-----	-----	-----		
Location: ATTAPULGUS Investigator: Eric P. Prostko						Control Percent May-31-19 14 DA-A	Control Percent Jun-12-19 26 DA-A	Control Percent Jun-12-19 26 DA-A	Control Percent Jun-24-19 38 DA-A	Control Percent Jun-24-19 38 DA-A	Weed - Coverage PERCENT Jun-24-19 38 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code Plot	7	8	9	10	11	12
1	NTC					101 206 305 Mean =	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	100.0 100.0 100.0 100.0
2	GRAMOXONE INDUCE	2 SL		8.0 oz/a 0.25 % v/v	EPOST A EPOST A	102 208 312 Mean =	95.0 90.0 99.0 94.7	75.0 90.0 95.0 86.7	65.0 65.0 99.0 76.3	65.0 90.0 95.0 83.3	65.0 65.0 99.0 76.3	100.0 90.0 100.0 96.7
3	GRAMOXONE STORM DUAL MAGNUM	2 SL 4 SL 7.62 EC		12.0 oz/a 16.0 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A	103 211 308 Mean =	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	90.0 95.0 75.0 86.7	99.0 99.0 90.0 96.0	75.0 95.0 85.0 85.0	65.0 95.0 65.0 75.0
4	GRAMOXONE STORM DUAL MAGNUM	2 SL 4 SL 7.62 EC		16.0 oz/a 16.0 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A	104 201 311 Mean =	99.0 90.0 99.0 96.0	99.0 99.0 99.0 99.0	90.0 75.0 95.0 86.7	99.0 95.0 99.0 97.7	85.0 50.0 99.0 78.0	60.0 50.0 95.0 68.3
5	GRAMOXONE INDUCE	3 SL		5.3 oz/a 0.25 % v/v	EPOST A EPOST A	105 210 303 Mean =	85.0 90.0 85.0 86.7	75.0 95.0 95.0 88.3	65.0 90.0 65.0 73.3	65.0 99.0 90.0 84.7	50.0 95.0 75.0 73.3	95.0 100.0 90.0 95.0
6	GRAMOXONE STORM DUAL MAGNUM	3 SL 4 SL 7.62 EC		8.0 oz/a 16.0 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A	106 207 309 Mean =	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	85.0 90.0 95.0 90.0	99.0 95.0 99.0 97.7	65.0 85.0 99.0 83.0	60.0 60.0 90.0 70.0
7	GRAMOXONE STORM DUAL MAGNUM	3 SL 4 SL 7.62 EC		10.7 oz/a 16.0 oz/a 16.0 oz/a	EPOST A EPOST A EPOST A	107 212 301 Mean =	95.0 99.0 95.0 96.3	99.0 99.0 99.0 99.0	85.0 95.0 75.0 85.0	99.0 99.0 99.0 99.0	85.0 99.0 85.0 89.7	60.0 95.0 75.0 76.7
8	GRAMOXONE MAGNUM STORM DUAL MAGNUM	3.33 EW 4 SL 7.62 EC		12.0 oz/a 16.0 oz/a 12.8 oz/a	EPOST A EPOST A EPOST A	108 205 302 Mean =	95.0 99.0 95.0 96.3	95.0 95.0 99.0 96.3	85.0 80.0 75.0 80.0	95.0 95.0 99.0 96.3	85.0 80.0 70.0 78.3	60.0 65.0 85.0 70.0
9	GRAMOXONE MAGNUM STORM DUAL MAGNUM	3.33 EW 4 SL 7.62 EC		18.0 oz/a 16.0 oz/a 11.3 oz/a	EPOST A EPOST A EPOST A	109 203 310 Mean =	99.0 95.0 95.0 96.3	99.0 99.0 99.0 99.0	85.0 75.0 90.0 83.3	99.0 99.0 99.0 99.0	85.0 75.0 90.0 83.3	55.0 60.0 95.0 70.0
10	GRAMOXONE MAGNUM STORM DUAL MAGNUM	3.33 EW 4 SL 7.62 EC		24.0 oz/a 16.0 oz/a 9.7 oz/a	EPOST A EPOST A EPOST A	110 204 306 Mean =	99.0 95.0 99.0 97.7	99.0 99.0 99.0 99.0	90.0 80.0 90.0 86.7	99.0 99.0 99.0 99.0	99.0 85.0 85.0 89.7	60.0 65.0 60.0 61.7
11	GRAMOXONE STORM ZIDUA INDUCE	2 SL 4 SL 4.17 SC		12.0 oz/a 16.0 oz/a 2.5 oz/a 0.25 % v/v	EPOST A EPOST A EPOST A	111 209 307 Mean =	99.0 99.0 95.0 97.7	99.0 99.0 99.0 99.0	95.0 95.0 90.0 93.3	99.0 99.0 99.0 99.0	95.0 95.0 85.0 91.7	95.0 75.0 70.0 80.0
12	NTC					112 202 304 Mean =	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	100.0 100.0 100.0 100.0

# University of Georgia

WEED CONTROL IN PEANUT WITH GRAMOXONE 3SL  
AND GRAMOXONE MAGNUM

Trial ID: PE-16-19 Study Dir.: HENRY MCLEAN  
Location: ATTAPULGUS Investigator: Eric P. Prostko

Weed Code

AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.  
DEDTO = BEGGARWEED, FLORIDA / DESMODIUM TORTUOSUM (SWEET) DC.