

# University of Georgia

PEANUT VARIETY RESPONSE TO VALOR SX WEED-FREE	
Trial ID: PE-03-19	Study Dir.:
Location: PONDER FARM	Investigator: Eric P. Prostko

Reps: 4                      Plots: 6 by 25 feet  
 Appl. Amount: 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	Grow Unit	Appl Stg	Appl Code	Amt Product to Measure	Diluent	Rep			
										1	2	3	4
1	GA-06G NO VALOR								-	101	204	302	403
2	GA-06G VALOR SX	51 WG		3.0 oz/a	PRE	A		2.247 g/mx	1497.8 mL	102	203	304	401
3	GA-06G VALOR SX	51 WG		6.0 oz/a	PRE	A		4.493 g/mx	1495.5 mL	103	202	301	404
4	GA-06G VALOR SX	51 WG		9.0 oz/a	PRE	A		6.74 g/mx	1493.3 mL	104	201	303	402
5	GA-18RU NO VALOR								-	105	208	307	406
6	GA-18RU VALOR SX	51 WG		3.0 oz/a	PRE	A		2.247 g/mx	1497.8 mL	106	207	308	405
7	GA-18RU VALOR SX	51 WG		6.0 oz/a	PRE	A		4.493 g/mx	1495.5 mL	107	206	305	408
8	GA-18RU VALOR SX	51 WG		9.0 oz/a	PRE	A		6.74 g/mx	1493.3 mL	108	205	306	407
9	GA-16HO NO VALOR								-	109	212	310	411
10	GA-16HO VALOR SX	51 WG		3.0 oz/a	PRE	A		2.247 g/mx	1497.8 mL	110	211	309	412
11	GA-16HO VALOR SX	51 WG		6.0 oz/a	PRE	A		4.493 g/mx	1495.5 mL	111	210	312	409
12	GA-16HO VALOR SX	51 WG		9.0 oz/a	PRE	A		6.74 g/mx	1493.3 mL	112	209	311	410

Sort Order: Treatment

Trial Comments
<p>MAINTAINED WEED-FREE</p> <p>PROWL H20 @ 32 OZ/A + STRONGARM @ 0.45 OZ/A (PRE) OVER ENTIRE TEST (MAY 2).            CADRE + DUAL MAGNUM + ACEPHATE - MAY 23            SELECT MAX @ 16 OZ/A + ADEPT - JUNE 4</p> <p>DIGGING DATE: SEPTEMBER 19            HARVEST DATE: SEPTEMBER 25            HARVEST MOISTURE: 6.0%            YIELDS ADJUSTED TO 10%            2% YIELD DEDUCTION FOR FM (ROCKS, STEMS, LEAVES, ETC.)</p> <p><b><u>SUMMARY:</u></b></p> <p>1) VALOR AT ANY RATE ON ANY VARIETY HAD NO EFFECT ON PEANUT PLANT STAND 8 DAT. GA-16HO HAD LOWER PLANT STANDS THAN GA-06G.</p> <p>2) ON SOME RATING DATES (NOT ALL), LESS VALOR INJURY WAS OBSERVED ON GA-06G WHEN COMPARED TO GA-18RU AND GA-16HO.</p> <p>3) FOR PEANUT YIELD, THERE WAS NO INTERACTION BETWEEN VARIETY AND VALOR RATE (P= 0.6967).</p> <p>A) WHEN AVERAGED OVER VALOR RATE, GA-18RU HAD GREATER YIELDS THAN GA-06G AND GA-16HO.</p> <p>B) WHEN AVERAGED OVER VARIETY, 6 OZ/A AND 9 OZ/A OF VALOR CAUSED SIGNIFICANT YIELD REDUCTIONS (4.6% AND 6.4%, RESPECTIVELY).</p>

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WEED-FREE

Trial ID: PE-03-19      Study Dir.:  
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**GENERAL TRIAL INFORMATION**

**Study Director:** \_\_\_\_\_ **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.** \_\_\_\_\_ **2.** \_\_\_\_\_

**Crop 1:** ARAHY PEANUT      **Variety:** MANY      **Planting Date:** May-1-19  
**Planting Method:** MONOSEM TWIN ROW      **Rate:** 3.5      SEED/FT      **Depth:** 2.0 IN  
**Perennial Age:** \_\_\_\_\_      **Row Spacing:** \_\_\_\_\_      **Seed Bed:** \_\_\_\_\_  
**Soil Temperature:** \_\_\_\_\_      **Soil Moisture:** OPTIMUM      **Emergence Date:** \_\_\_\_\_

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

**Site Type:** \_\_\_\_\_      **Study Design:** FACTOR

**Tillage Type:** CONVENTIONAL

**Trial Initiation Comments:** 300 LB/A 5-15-30 PPLNT; THIMET INFR @ 6.6 LBS/A;  
 RANCONA VPD SEED TRT; 36"-9" TWIN ROWS

**Previous: Crops**      **Pesticides**      **Year**  
 1. FIED CORN      2018

**MAINTENANCE**

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

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

**SOIL DESCRIPTION**

**Texture:** SAND      **% OM:** 0.51      **% Sand:** 92      **% Silt:** 4      **% Clay:** 4  
**pH:** 6.2      **CEC:** 2.5      **Soil Name:** FUQUAY      **Fertility Level:** GOOD

**MOISTURE CONDITIONS**

On: Date	Time	Amount	Unit	Type	Interval	Unit
1.	Apr-29-19	0.5	IN	SPRINKLER - LATERAL MOVE		
2.	May-3-19	0.6	IN	SPRINKLER - LATERAL MOVE		
3.	May-4-19	0.15	IN	RAINFALL		
4.	May-6-19	0.5	IN	SPRINKLER - LATERAL MOVE		
5.	May-9-19	0.195	IN	RAINFALL		
6.	May-10-19	0.11	IN	RAINFALL		
7.	May-11-19	0.65	IN	RAINFALL		
8.	May-12-19	0.27	IN	RAINFALL		
9.	May-17-19	0.62	IN	RAINFALL		
10.	May-29-19	0.5	IN	SPRINKLER - LATERAL MOVE		
11.	Jun-3-19	0.5	IN	SPRINKLER - LATERAL MOVE		

**Overall Moisture Conditions:** \_\_\_\_\_

**Closest Weather Station:** \_\_\_\_\_ **Distance:** \_\_\_\_\_ **Unit:** \_\_\_\_\_

**APPLICATION DESCRIPTION**

	A	B	C	D	E	F
<b>Application Date:</b>	May-2-19					
<b>Time of Day:</b>	6:45 AM					
<b>Application Method:</b>	BROADCAST					
<b>Application Timing:</b>	PRE					
<b>Applic. Placement:</b>	SOIL					
<b>Air Temp., Unit:</b>	64 F					
<b>% Relative Humidity:</b>	97					
<b>Wind Velocity, Unit:</b>	1 MPH					
<b>Dew Presence (Y/N):</b>	N					
<b>Water Hardness:</b>						
<b>Soil Temp., Unit:</b>	72 F					
<b>Soil Moisture:</b>	OPTIMAL					
<b>% Cloud Cover:</b>	20					

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CROP STAGE AT EACH APPLICATION							
		A	B	C	D	E	F
<b>Crop 1</b>	Stage: ARAHY	_____	_____	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Height, Unit:	_____	_____	_____	_____	_____	_____

WEED STAGE AT EACH APPLICATION							
		A	B	C	D	E	F
<b>Weed 1</b>	Stage:	_____	_____	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____

APPLICATION EQUIPMENT							
		A	B	C	D	E	F
<b>Appl. Equipment:</b>	BACKPACK	_____	_____	_____	_____	_____	_____
<b>Operating Pressure:</b>	38	PSI	_____	_____	_____	_____	_____
<b>Nozzle Type:</b>	AIXR	_____	_____	_____	_____	_____	_____
<b>Nozzle Size:</b>	11002	_____	_____	_____	_____	_____	_____
<b>Nozzle Spacing, Unit:</b>	20	IN	_____	_____	_____	_____	_____
<b>Nozzles/Row:</b>	_____	_____	_____	_____	_____	_____	_____
<b>Band Width, Unit:</b>	_____	_____	_____	_____	_____	_____	_____
<b>Boom Length, Unit:</b>	60	IN	_____	_____	_____	_____	_____
<b>Boom Height, Unit:</b>	20	IN	_____	_____	_____	_____	_____
<b>Ground Speed, Unit:</b>	3.5	MPH	_____	_____	_____	_____	_____
<b>Incorporation Equip.:</b>	_____	_____	_____	_____	_____	_____	_____
<b>Hours to Incorp.:</b>	_____	_____	_____	_____	_____	_____	_____
<b>Incorp. Depth, Unit:</b>	_____	_____	_____	_____	_____	_____	_____
<b>Carrier:</b>	WATER	_____	_____	_____	_____	_____	_____
<b>Spray Volume, Unit:</b>	15	GPA	_____	_____	_____	_____	_____
<b>Spray pH:</b>	_____	_____	_____	_____	_____	_____	_____
<b>Propellant:</b>	CO2	_____	_____	_____	_____	_____	_____
<b>Tank Mix (Y/N):</b>	_____	_____	_____	_____	_____	_____	_____

Trt No	Treatment Application Comment
_____	_____

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Trial ID: PE-03-19		Study Dir.:						
Location: PONDER FARM		Investigator: Eric P. Prostko						
Weed Code	----- Arahy	----- Arahy	----- Arahy	----- Arahy	----- Arahy	----- Arahy	----- ARAHY	----- ARAHY DIRTY - YIELD
Crop Code	Stand #/3ft	Stunting Percent	Injury Percent	Injury Percent	Stunting Percent	Stunting Percent	Stunting Percent	LBS/PLOT
Part Rated	May-10-19	May-10-19	May-16-19	May-24-19	Jun-10-19	Jun-26-19	Aug-1-19	Sep-25-19
Rating Data Type								
Rating Unit								
Rating Date								
Trt-Eval Interval	8 DA-A	8 DA-A	14 DA-A	22 DA-A	39 DA-A	55 DA-A	91 DA-A	146 DA-A
PRM Data Type								
# Subsamples, Dec.								- 1
Trt Treatment	Form	Form	Rate	Grow	Appl			
No. Name	Conc	Type	Rate	Unit	Stg	Code		
	1	2	3	4	5	6	7	8
<b>TABLE OF R MEANS</b>								
Replicate 1	14.5	0.0	24.6	12.5	5.0	2.1	0.0	23.8
Replicate 2	13.6	4.2	28.3	9.2	10.4	5.0	0.0	24.3
Replicate 3	13.8	3.8	24.2	14.6	12.1	4.2	0.0	24.8
Replicate 4	13.6	4.2	26.7	9.6	12.9	3.8	0.0	24.6
<b>TABLE OF A (VARIETY) MEANS</b>								
1 GA-06G	15.0 a	2.2 -	18.4 b	11.6 -	8.4 b	2.2 -	0.0 -	24.2 b
2 GA-18RU	13.8 ab	3.8 -	30.0 a	10.0 -	7.5 b	3.1 -	0.0 -	25.3 a
3 GA-16HO	12.9 b	3.1 -	29.4 a	12.8 -	14.4 a	5.9 -	0.0 -	23.6 b
LSD P=.10	1.52	2.82	5.79	5.05	3.63	3.12	.	0.80
Standard Deviation	2.22	4.10	8.43	7.35	5.29	4.55	0.00	1.17
CV	15.98	135.85	32.49	64.13	52.32	121.21	0.00	4.78
<b>TABLE OF B (VALOR RATE) MEANS</b>								
1 NO VALOR	14.4 -	0.0 -	0.0 d	0.0 b	0.0 c	0.0 c	0.0 -	25.1 a
2 VALOR SX 51 WG 3.0 oz/a PRE A	13.7 -	3.3 -	24.6 c	7.1 b	4.6 c	0.4 c	0.0 -	24.9 ab
3 VALOR SX 51 WG 6.0 oz/a PRE A	13.6 -	2.9 -	36.3 b	16.7 a	14.6 b	5.0 b	0.0 -	24.0 bc
4 VALOR SX 51 WG 9.0 oz/a PRE A	13.8 -	5.8 -	42.9 a	22.1 a	21.3 a	9.6 a	0.0 -	23.5 c
LSD P=.10	1.29	4.44	2.89	7.32	6.01	3.60	.	0.99
Standard Deviation	1.72	5.94	3.86	9.78	8.03	4.81	0.00	1.33
CV	12.43	196.52	14.87	85.33	79.43	128.30	0.00	5.45
<b>TABLE OF A (VARIETY) B (VALOR RATE) MEANS</b>								
1 GA-06G 1 NO VALOR	16.0 -	0.0 -	0.0 f	0.0 -	0.0 f	0.0 d	0.0 -	25.0 -
2 GA-18RU 1 NO VALOR	14.0 -	0.0 -	0.0 f	0.0 -	0.0 f	0.0 d	0.0 -	26.3 -
3 GA-16HO 1 NO VALOR	13.3 -	0.0 -	0.0 f	0.0 -	0.0 f	0.0 d	0.0 -	24.1 -
1 GA-06G 2 VALOR SX 51 WG 3.0 oz/a PRE A	15.5 -	2.5 -	15.0 e	10.0 -	3.8 ef	0.0 d	0.0 -	24.4 -
2 GA-18RU 2 VALOR SX 51 WG 3.0 oz/a PRE A	13.0 -	2.5 -	28.8 cd	6.3 -	2.5 f	0.0 d	0.0 -	25.8 -
3 GA-16HO 2 VALOR SX 51 WG 3.0 oz/a PRE A	12.5 -	5.0 -	30.0 cd	5.0 -	7.5 de	1.3 d	0.0 -	24.5 -
1 GA-06G 3 VALOR SX 51 WG 6.0 oz/a PRE A	15.0 -	1.3 -	26.3 d	15.0 -	11.3 d	2.5 cd	0.0 -	23.5 -
2 GA-18RU 3 VALOR SX 51 WG 6.0 oz/a PRE A	13.3 -	5.0 -	40.0 b	15.0 -	11.3 d	5.0 bc	0.0 -	24.8 -
3 GA-16HO 3 VALOR SX 51 WG 6.0 oz/a PRE A	12.5 -	2.5 -	42.5 b	20.0 -	21.3 b	7.5 b	0.0 -	23.6 -
1 GA-06G 4 VALOR SX 51 WG 9.0 oz/a PRE A	13.5 -	5.0 -	32.5 c	21.3 -	18.8 bc	6.3 b	0.0 -	23.8 -
2 GA-18RU 4 VALOR SX 51 WG 9.0 oz/a PRE A	14.8 -	7.5 -	51.3 a	18.8 -	16.3 c	7.5 b	0.0 -	24.5 -
3 GA-16HO 4 VALOR SX 51 WG 9.0 oz/a PRE A	13.3 -	5.0 -	45.0 b	26.3 -	28.8 a	15.0 a	0.0 -	22.2 -
LSD P=.10	2.86	6.80	5.86	4.62	4.82	3.24	.	1.30
Standard Deviation	2.33	5.54	4.78	3.77	3.93	2.65	0.00	1.06
CV	16.82	183.51	18.43	32.86	38.90	70.57	0.00	4.37

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.

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Trial ID: PE-03-19		Study Dir.:				
Location: PONDER FARM		Investigator: Eric P. Prostko				
Weed Code		-----		-----		
Crop Code		ARAHY		ARAHY		
Part Rated		CLEAN -		CLEAN -		
Rating Data Type		YIELD		YIELD		
Rating Unit		LBS/PLOT		LBS/A		
Rating Date		Sep-25-19		Sep-25-19		
Trt-Eval Interval		146 DA-A		146 DA-A		
PRM Data Type		T1		TY2		
# Subsamples, Dec.		- 1		- 0		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg Code
						9 10
<b>TABLE OF R MEANS</b>						
Replicate 1				23.3	7072	
Replicate 2				23.8	7223	
Replicate 3				24.3	7357	
Replicate 4				24.1	7322	
<b>TABLE OF A (VARIETY) MEANS</b>						
1 GA-06G				23.7 b	7186 b	
2 GA-18RU				24.8 a	7529 a	
3 GA-16HO				23.1 b	7015 b	
LSD P=.10				0.78	237.9	
Standard Deviation				1.14	346.3	
CV				4.78	4.8	
<b>TABLE OF B (VALOR RATE) MEANS</b>						
1 NO VALOR				24.6 a	7466 a	
2 VALOR SX		51 WG	3.0 oz/a	PRE	A	24.4 ab 7399 ab
3 VALOR SX		51 WG	6.0 oz/a	PRE	A	23.5 bc 7121 bc
4 VALOR SX		51 WG	9.0 oz/a	PRE	A	23.0 c 6988 c
LSD P=.10				0.97	295.4	
Standard Deviation				1.30	394.7	
CV				5.45	5.4	
<b>TABLE OF A (VARIETY) B (VALOR RATE) MEANS</b>						
1 GA-06G				24.5 -	7438 -	
1 NO VALOR						
2 GA-18RU				25.7 -	7803 -	
1 NO VALOR						
3 GA-16HO				23.6 -	7156 -	
1 NO VALOR						
1 GA-06G				23.9 -	7253 -	
2 VALOR SX		51 WG	3.0 oz/a	PRE	A	
2 GA-18RU				25.2 -	7654 -	
2 VALOR SX		51 WG	3.0 oz/a	PRE	A	
3 GA-16HO				24.0 -	7290 -	
2 VALOR SX		51 WG	3.0 oz/a	PRE	A	
1 GA-06G				23.0 -	6985 -	
3 VALOR SX		51 WG	6.0 oz/a	PRE	A	
2 GA-18RU				24.3 -	7372 -	
3 VALOR SX		51 WG	6.0 oz/a	PRE	A	
3 GA-16HO				23.1 -	7007 -	
3 VALOR SX		51 WG	6.0 oz/a	PRE	A	
1 GA-06G				23.3 -	7067 -	
4 VALOR SX		51 WG	9.0 oz/a	PRE	A	
2 GA-18RU				24.0 -	7290 -	
4 VALOR SX		51 WG	9.0 oz/a	PRE	A	
3 GA-16HO				21.8 -	6606 -	
4 VALOR SX		51 WG	9.0 oz/a	PRE	A	
LSD P=.10				1.28	387.9	
Standard Deviation				1.04	316.3	
CV				4.37	4.4	

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Trial ID: PE-03-19		Study Dir.:					
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COMPLETE FACTORIAL AOV For ----- Arahya Stand #/3ft May-10-19 8 DA-A (Data Column 1)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	221.250000					
R	3	6.750000	2.250000	0.413	0.7455		
A	2	36.500000	18.250000	3.712	0.0893	1.5	
RA	6	29.500000	4.916667				
B	3	5.083333	1.694444	0.570	0.6486	1.3	
RB	9	26.750000	2.972222				
AB	6	18.666667	3.111111	0.571	0.7479	2.9	
RAB	18	98.000000	5.444444				
COMPLETE FACTORIAL AOV For ----- Arahya Stunting Percent May-10-19 8 DA-A (Data Column 2)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	1386.979167					
R	3	147.395833	49.131944	1.599	0.2246		
A	2	19.791667	9.895833	0.588	0.5847	2.8	
RA	6	101.041667	16.840278				
B	3	205.729167	68.576389	1.946	0.1928	4.4	
RB	9	317.187500	35.243056				
AB	6	42.708333	7.118056	0.232	0.9607	6.8	
RAB	18	553.125000	30.729167				
COMPLETE FACTORIAL AOV For ----- Arahya Injury Percent May-16-19 14 DA-A (Data Column 3)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	15832.812500					
R	3	134.895833	44.965278	1.967	0.1551		
A	2	1353.125000	676.562500	9.528	0.0137	5.8	
RA	6	426.041667	71.006944				
B	3	12830.729167	4276.909722	287.568	0.0001	2.9	
RB	9	133.854167	14.872685				
AB	6	542.708333	90.451389	3.957	0.0107	5.9	
RAB	18	411.458333	22.858796				
COMPLETE FACTORIAL AOV For ----- Arahya Injury Percent May-24-19 22 DA-A (Data Column 4)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	5397.916667					
R	3	235.416667	78.472222	5.535	0.0072		
A	2	63.541667	31.770833	0.588	0.5843	5.0	
RA	6	323.958333	53.993056				
B	3	3485.416667	1161.805556	12.153	0.0016	7.3	
RB	9	860.416667	95.601852				
AB	6	173.958333	28.993056	2.045	0.1120	4.6	
RAB	18	255.208333	14.178241				
COMPLETE FACTORIAL AOV For ----- Arahya Stunting Percent Jun-10-19 39 DA-A (Data Column 5)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	5474.479167					
R	3	455.729167	151.909722	9.831	0.0005		
A	2	444.791667	222.395833	7.957	0.0205	3.6	
RA	6	167.708333	27.951389				
B	3	3322.395833	1107.465278	17.194	0.0005	6.0	
RB	9	579.687500	64.409722				
AB	6	226.041667	37.673611	2.438	0.0666	4.8	
RAB	18	278.125000	15.451389				
COMPLETE FACTORIAL AOV For ----- Arahya Stunting Percent Jun-26-19 55 DA-A (Data Column 6)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	1475.000000					
R	3	54.166667	18.055556	2.579	0.0856		
A	2	121.875000	60.937500	2.950	0.1282	3.1	
RA	6	123.958333	20.659722				
B	3	729.166667	243.055556	10.500	0.0027	3.6	
RB	9	208.333333	23.148148				
AB	6	111.458333	18.576389	2.653	0.0505	3.2	
RAB	18	126.041667	7.002315				

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

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PEANUT VARIETY RESPONSE TO VALOR SX WEED-FREE						
Trial ID: PE-03-19		Study Dir.:				
Location: PONDER FARM		Investigator: Eric P. Prostko				
<b>COMPLETE FACTORIAL AOV For ----- ARAHY Stunting Percent Aug-1-19 91 DA-A (Data Column 7)</b>						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	0.000000				
R	3	0.000000	0.000000	0.000	1.0000	
A	2	0.000000	0.000000	0.000	1.0000	
RA	6	0.000000	0.000000			
B	3	0.000000	0.000000	0.000	1.0000	
RB	9	0.000000	0.000000			
AB	6	0.000000	0.000000	0.000	1.0000	
RAB	18	0.000000	0.000000			
<b>COMPLETE FACTORIAL AOV For ----- ARAHY DIRTY YIELD LBS/PLOT Sep-25-19 146 DA-A 1 (Data Column 8)</b>						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	101.163125				
R	3	6.637292	2.212431	1.954	0.1572	
A	2	24.878750	12.439375	9.164	0.0150	0.8
RA	6	8.144583	1.357431			
B	3	20.898958	6.966319	3.951	0.0474	1.0
RB	9	15.866875	1.762986			
AB	6	4.352917	0.725486	0.641	0.6967	1.3
RAB	18	20.383750	1.132431			
<b>COMPLETE FACTORIAL AOV For ----- ARAHY CLEAN YIELD LBS/PLOT Sep-25-19 146 DA-A T1 1 (Data Column 9)</b>						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	97.157065				
R	3	6.374455	2.124818	1.954	0.1572	
A	2	23.893552	11.946776	9.164	0.0150	0.8
RA	6	7.822058	1.303676			
B	3	20.071360	6.690453	3.951	0.0474	1.0
RB	9	15.238547	1.693172			
AB	6	4.180541	0.696757	0.641	0.6967	1.3
RAB	18	19.576554	1.087586			
<b>COMPLETE FACTORIAL AOV For ----- ARAHY CLEAN YIELD LBS/A Sep-25-19 146 DA-A TY2 0 (Data Column 10)</b>						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	8937959.774185				
R	3	586417.688522	195472.562841	1.954	0.1572	
A	2	2198086.177468	1099043.088734	9.164	0.0150	238
RA	6	719589.852635	119931.642106			
B	3	1846463.806903	615487.935634	3.951	0.0474	295
RB	9	1401869.411330	155763.267926			
AB	6	384588.693430	64098.115572	0.641	0.6967	388
RAB	18	1800944.143897	100052.452439			
<b>PRM Data Type</b>						
T1 = [8]*0.98						
TY2 = 303.3067*[9]						

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.

# University of Georgia

PEANUT VARIETY RESPONSE TO VALOR SX WEED-FREE											
Trial ID: PE-03-19		Study Dir.:									
Location: PONDER FARM		Investigator: Eric P. Prostko									
Weed Code	-----	-----	-----	-----	-----	-----	-----	-----	-----		
Crop Code	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	ARAHY		
Part Rated											
Rating Data Type	Stand	Stunting	Injury	Injury	Stunting	Stunting	Stunting	Stunting	Stunting		
Rating Unit	#/3ft	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent		
Rating Date	May-10-19	May-10-19	May-16-19	May-24-19	Jun-10-19	Jun-26-19	Jun-26-19	Aug-1-19	Aug-1-19		
Trt-Eval Interval	8 DA-A	8 DA-A	14 DA-A	22 DA-A	39 DA-A	55 DA-A	55 DA-A	91 DA-A	91 DA-A		
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	7
1 GA-06G NO VALOR				101	12.0	0.0	0.0	0.0	0.0	0.0	0.0
				204	15.0	0.0	0.0	0.0	0.0	0.0	0.0
				302	20.0	0.0	0.0	0.0	0.0	0.0	0.0
				403	17.0	0.0	0.0	0.0	0.0	0.0	0.0
				Mean =	16.0	0.0	0.0	0.0	0.0	0.0	0.0
2 GA-06G VALOR SX	51 WG	3.0 oz/a	PRE A	102	17.0	0.0	10.0	0.0	0.0	0.0	0.0
				203	13.0	0.0	15.0	10.0	0.0	0.0	0.0
				304	15.0	0.0	15.0	20.0	0.0	0.0	0.0
				401	17.0	10.0	20.0	10.0	15.0	0.0	0.0
				Mean =	15.5	2.5	15.0	10.0	3.8	0.0	0.0
3 GA-06G VALOR SX	51 WG	6.0 oz/a	PRE A	103	13.0	0.0	25.0	10.0	0.0	0.0	0.0
				202	18.0	0.0	20.0	10.0	10.0	5.0	0.0
				301	16.0	5.0	20.0	20.0	15.0	0.0	0.0
				404	13.0	0.0	40.0	20.0	20.0	5.0	0.0
				Mean =	15.0	1.3	26.3	15.0	11.3	2.5	0.0
4 GA-06G VALOR SX	51 WG	9.0 oz/a	PRE A	104	13.0	0.0	30.0	30.0	10.0	0.0	0.0
				201	14.0	10.0	30.0	10.0	25.0	15.0	0.0
				303	12.0	0.0	30.0	30.0	20.0	5.0	0.0
				402	15.0	10.0	40.0	15.0	20.0	5.0	0.0
				Mean =	13.5	5.0	32.5	21.3	18.8	6.3	0.0
5 GA-18RU NO VALOR				105	16.0	0.0	0.0	0.0	0.0	0.0	0.0
				208	14.0	0.0	0.0	0.0	0.0	0.0	0.0
				307	12.0	0.0	0.0	0.0	0.0	0.0	0.0
				406	14.0	0.0	0.0	0.0	0.0	0.0	0.0
				Mean =	14.0	0.0	0.0	0.0	0.0	0.0	0.0
6 GA-18RU VALOR SX	51 WG	3.0 oz/a	PRE A	106	16.0	0.0	30.0	0.0	0.0	0.0	0.0
				207	12.0	0.0	40.0	10.0	0.0	0.0	0.0
				308	13.0	0.0	25.0	10.0	0.0	0.0	0.0
				405	11.0	10.0	20.0	5.0	10.0	0.0	0.0
				Mean =	13.0	2.5	28.8	6.3	2.5	0.0	0.0
7 GA-18RU VALOR SX	51 WG	6.0 oz/a	PRE A	107	12.0	0.0	40.0	20.0	0.0	0.0	0.0
				206	13.0	10.0	40.0	10.0	10.0	5.0	0.0
				305	16.0	10.0	40.0	10.0	20.0	5.0	0.0
				408	12.0	0.0	40.0	20.0	15.0	10.0	0.0
				Mean =	13.3	5.0	40.0	15.0	11.3	5.0	0.0
8 GA-18RU VALOR SX	51 WG	9.0 oz/a	PRE A	108	17.0	0.0	50.0	30.0	10.0	0.0	0.0
				205	14.0	20.0	65.0	10.0	30.0	15.0	0.0
				306	13.0	10.0	50.0	15.0	10.0	5.0	0.0
				407	15.0	0.0	40.0	20.0	15.0	10.0	0.0
				Mean =	14.8	7.5	51.3	18.8	16.3	7.5	0.0
9 GA-16HO NO VALOR				109	15.0	0.0	0.0	0.0	0.0	0.0	0.0
				212	13.0	0.0	0.0	0.0	0.0	0.0	0.0
				310	13.0	0.0	0.0	0.0	0.0	0.0	0.0
				411	12.0	0.0	0.0	0.0	0.0	0.0	0.0
				Mean =	13.3	0.0	0.0	0.0	0.0	0.0	0.0
10 GA-16HO VALOR SX	51 WG	3.0 oz/a	PRE A	110	13.0	0.0	30.0	0.0	0.0	0.0	0.0
				211	13.0	0.0	30.0	10.0	0.0	0.0	0.0
				309	11.0	20.0	30.0	10.0	20.0	5.0	0.0
				412	13.0	0.0	30.0	0.0	10.0	0.0	0.0
				Mean =	12.5	5.0	30.0	5.0	7.5	1.3	0.0
11 GA-16HO VALOR SX	51 WG	6.0 oz/a	PRE A	111	15.0	0.0	40.0	20.0	15.0	10.0	0.0
				210	14.0	0.0	50.0	20.0	20.0	0.0	0.0
				312	9.0	0.0	40.0	30.0	30.0	15.0	0.0
				409	12.0	10.0	40.0	10.0	20.0	5.0	0.0
				Mean =	12.5	2.5	42.5	20.0	21.3	7.5	0.0



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PEANUT VARIETY RESPONSE TO VALOR SX  
WEED-FREE

Trial ID: PE-03-19      Study Dir.:  
Location: PONDER FARM      Investigator: Eric P. Prostko

	----- Arahy	----- Arahy	----- Arahy	----- Arahy	----- Arahy	----- Arahy	----- ARAHY
Weed Code							
Crop Code							
Part Rated							
Rating Data Type	Stand	Stunting	Injury	Injury	Stunting	Stunting	Stunting
Rating Unit	#/3ft	Percent	Percent	Percent	Percent	Percent	Percent
Rating Date	May-10-19	May-10-19	May-16-19	May-24-19	Jun-10-19	Jun-26-19	Aug-1-19
Trt-Eval Interval	8 DA-A	8 DA-A	14 DA-A	22 DA-A	39 DA-A	55 DA-A	91 DA-A
PRM Data Type							
# Subsamples, Dec.							
Trt Treatment							
Form Form							
Rate Grow Appl							
No. Name	1	2	3	4	5	6	7
Conc Type Rate Unit Stg Code Plot							
12 GA-16HO	15.0	0.0	40.0	40.0	25.0	15.0	0.0
VALOR SX 51 WG 9.0 oz/a PRE A 209	10.0	10.0	50.0	20.0	30.0	20.0	0.0
311	16.0	0.0	40.0	30.0	30.0	15.0	0.0
410	12.0	10.0	50.0	15.0	30.0	10.0	0.0
Mean =	13.3	5.0	45.0	26.3	28.8	15.0	0.0



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PEANUT VARIETY RESPONSE TO VALOR SX  
WEED-FREE

Trial ID: PE-03-19      Study Dir.:  
Location: PONDER FARM    Investigator: Eric P. Prostko

	----- ARAHY DIRTY - YIELD LBS/PLOT Sep-25-19 146 DA-A - 1	----- ARAHY CLEAN - YIELD LBS/PLOT Sep-25-19 146 DA-A T1 - 1	----- ARAHY CLEAN - YIELD LBS/A Sep-25-19 146 DA-A TY2 - 0
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 Rate Unit Stg Code Plot	8	9	10
12 GA-16HO	112	22.1	21.7
VALOR SX    51 WG    9.0 oz/a PRE A	209	21.6	21.2
	311	22.2	21.8
	410	23.0	22.5
Mean =	22.2	21.8	6569
			6420
			6599
			6837
			6606

# University of Georgia

PEANUT VARIETY RESPONSE TO VALOR SX  
WEED-FREE

Trial ID: PE-03-19 Study Dir.:  
Location: PONDER FARM Investigator: Eric P. Prostko

PRM Data Type

T1 = [8]\*0.98  
TY2 = 303.3067\*[9]