

University of Georgia

PEANUT VARIETY RESPONSE TO BRAKE WEED-FREE	
Trial ID: PE-04-19	Study Dir.: KYLE BRISCOE
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	Code	Amt Product to Measure	Diluent	Rep 1	Rep 2	Rep 3	Rep 4
1	GA-06G NO BRAKE								- -	101	204	302	403
2	GA-06G BRAKE	1.2 SL		16.0 oz/a	PRE	A		12.5 mL/mx	1487.5 mL	102	203	304	401
3	GA-06G BRAKE	1.2 SL		32.0 oz/a	PRE	A		25.0 mL/mx	1475 mL	103	202	301	404
4	GA-06G BRAKE	1.2 SL		64.0 oz/a	PRE	A		49.99 mL/mx	1450.0 mL	104	201	303	402
5	GA-18RU NO BRAKE								- -	105	208	307	406
6	GA-18RU BRAKE	1.2 SL		16.0 oz/a	PRE	A		12.5 mL/mx	1487.5 mL	106	207	308	405
7	GA-18RU BRAKE	1.2 SL		32.0 oz/a	PRE	A		25.0 mL/mx	1475 mL	107	206	305	408
8	GA-18RU BRAKE	1.2 SL		64.0 oz/a	PRE	A		49.99 mL/mx	1450.0 mL	108	205	306	407
9	GA-16HO NO BRAKE								- -	109	212	310	411
10	GA-16HO BRAKE	1.2 SL		16.0 oz/a	PRE	A		12.5 mL/mx	1487.5 mL	110	211	309	412
11	GA-16HO BRAKE	1.2 SL		32.0 oz/a	PRE	A		25.0 mL/mx	1475 mL	111	210	312	409
12	GA-16HO BRAKE	1.2 SL		64.0 oz/a	PRE	A		49.99 mL/mx	1450.0 mL	112	209	311	410

Sort Order: Treatment

Trial Comments
<p>MAINTAINED WEED-FREE</p> <p>PROWL H2O @ 32 OZ/A + STRONGARM @ 0.45 OZ/A- (PRE) OVER ENTIRE TEST (MAY 2) CADRE + DUAL MAGNUM + ACEPHATE (MAY 23) SELECT MAX + ADEPT (JUNE 4)</p> <p>DIGGING DATE: SEPTEMBER 19 HARVEST DATE: SEPTEMBER 25 HARVEST MOISTURE: 5.9% YIELDS ADJUSTED TO 10% 2% YIELD DEDUCTION FOR FM (ROCKS, LEAVES, STEMS, ETC.)</p> <p>MISSING YIELD DATA IN PLOTS #206, #205, #411 DUE TO MECHANICAL COMBINE PROBLEMS.</p> <p><u>SUMMARY:</u></p> <p>1) PEANUT DENSITY/STAND COUNTS ON JUNE 5 (34 DAT) INDICATED THAT THERE WAS NO INTERACTION BETWEEN VARIETY AND BRAKE RATE AND THAT 32 OZ/A AND 64 OZ/A, AVERAGED OVER VARIETY, SIGNIFICANTLY REDUCED PLANT DENSITY/STAND.</p> <p>2) GENERALLY, GA-18HO APPEARED TO BE MORE SENSITIVE, AT LEAST VISUALLY, TO BRAKE THAN THE OTHER VARIETIES.</p> <p>3) FOR PEANUT YIELD, THERE WAS NO INTERACTION BETWEEN VARIETY AND BRAKE RATE (P=0.5857).</p> <p>A) WHEN AVERAGED OVER BRAKE RATES, VARIETY EFFECTS ON YIELD WERE NOT SIGNIFICANT (P=0.1913).</p> <p>B) WHEN AVERAGED OVER VARIETY, BRAKE RATE EFFECTS WERE SIGNIFICANT (P=0.0004).</p>

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C) BRAKE APPLIED AT 32 OZ/A AND 64 OZ/A CAUSED SIGNIFICANT YIELD REDUCTIONS (18.6% AND 54.5%, RESPECTIVELY).

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GENERAL TRIAL INFORMATION

Study Director: KYLE BRISCOE **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:** SEVERAL **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; THMET INFR @ 6.6 LBS/A; RNACONA VPD SED TRT; 36"-9" TWIN ROWS

Previous: Crops **Pesticides** **Year**
1. FIELD 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:** 0.62 **% Sand:** 92 **% Silt:** 6 **% Clay:** 2
pH: 6.0 **CEC:** 2.9 **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-5-19		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
Application Date:	May-2-19					
Time of Day:	6:45 A.M.					
Application Method:	BROADCAST					
Application Timing:	PRE					
Applic. Placement:	SOIL					
Air Temp., Unit:	64 F					
% Relative Humidity:	97					
Wind Velocity, Unit:	1 MPH					
Dew Presence (Y/N):	N					
Water Hardness:						
Soil Temp., Unit:	72 F					
Soil Moisture:	OPTIMAL					
% Cloud Cover:	20					

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CROP STAGE AT EACH APPLICATION							
		A	B	C	D	E	F
Crop 1	Stage: ARAHY	_____	_____	_____	_____	_____	_____
Stage Scale:		_____	_____	_____	_____	_____	_____
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	_____	_____	_____	_____	_____	_____
Operating Pressure:	38 PSI	_____	_____	_____	_____	_____	_____
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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Location: PONDER FARM		Investigator: Eric P. Prostko						
Weed Code	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy
Crop Code	Stand #/3ft	Bleachin Percent	Stunting Percent	Bleachin Percent	Stunting Percent	Chlorosi Percent	Necrosis Percent	Bleach Percent
Part Rated	May-10-19	May-10-19	May-10-19	May-13-19	May-24-19	May-24-19	May-24-19	Jun-5-19
Rating Data Type	8 DA-A	8 DA-A	8 DA-A	11 DA-A	22 DA-A	22 DA-A	22 DA-A	34 DA-A
Rating Unit								
Rating Date								
Trt-Eval Interval								
PRM Data Type								
# Subsamples, Dec.								
Trt Treatment No.	Form Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code		
							1	2
							3	4
							5	6
							7	8
TABLE OF R MEANS								
Replicate 1	14.4	4.6	0.0	22.5	14.2	25.0	20.4	17.1
Replicate 2	13.6	6.7	3.3	27.9	14.2	35.0	24.6	22.1
Replicate 3	15.4	7.5	4.2	26.7	11.7	36.3	27.9	20.8
Replicate 4	13.8	13.8	3.3	33.8	17.5	38.3	29.2	22.9
TABLE OF A (VARIETY) MEANS								
1 GA-06G	16.4 a	10.6 -	1.9 b	27.5 -	14.7 -	33.4 b	25.9 b	21.6 -
2 GA-18RU	13.1 b	5.0 -	2.5 ab	24.4 -	12.8 -	30.3 c	19.4 c	17.8 -
3 GA-16HO	13.4 b	8.8 -	3.8 a	31.3 -	15.6 -	37.2 a	31.3 a	22.8 -
LSD P=.10	1.57	5.40	1.28	5.46	3.40	1.40	3.54	5.43
Standard Deviation	2.28	7.86	1.86	7.95	4.95	2.04	5.15	7.91
CV	15.92	96.76	68.80	28.69	34.42	6.07	20.19	38.14
TABLE OF B (BRAKE RATE) MEANS								
1 NO BRAKE	14.3 -	0.0 c	0.0 -	1.3 d	0.0 c	0.0 d	0.0 d	0.0 c
2 BRAKE 1.2 SL 16.0 oz/a PRE A	14.7 -	4.6 bc	3.3 -	9.2 c	8.8 b	34.2 c	11.7 c	20.0 b
3 BRAKE 1.2 SL 32.0 oz/a PRE A	14.0 -	9.2 b	3.3 -	34.2 b	11.3 b	45.8 b	31.7 b	31.3 a
4 BRAKE 1.2 SL 64.0 oz/a PRE A	14.3 -	18.8 a	4.2 -	66.3 a	37.5 a	54.6 a	58.8 a	31.7 a
LSD P=.10	1.30	7.93	3.83	5.21	4.31	6.40	7.36	4.32
Standard Deviation	1.73	10.60	5.11	6.96	5.75	8.56	9.84	5.78
CV	12.11	130.41	188.84	25.10	40.02	25.43	38.56	27.88
TABLE OF A (VARIETY) B (BRAKE RATE) MEANS								
1 GA-06G 1 NO BRAKE	16.8 -	0.0 -	0.0 -	0.0 -	0.0 -	0.0 g	0.0 f	0.0 f
2 GA-18RU 1 NO BRAKE	12.3 -	0.0 -	0.0 -	2.5 -	0.0 -	0.0 g	0.0 f	0.0 f
3 GA-16HO 1 NO BRAKE	13.8 -	0.0 -	0.0 -	1.3 -	0.0 -	0.0 g	0.0 f	0.0 f
1 GA-06G 2 BRAKE 1.2 SL 16.0 oz/a PRE A	16.8 -	7.5 -	2.5 -	8.8 -	7.5 -	32.5 e	13.8 e	21.3 d
2 GA-18RU 2 BRAKE 1.2 SL 16.0 oz/a PRE A	13.0 -	1.3 -	2.5 -	5.0 -	8.8 -	22.5 f	2.5 f	12.5 e
3 GA-16HO 2 BRAKE 1.2 SL 16.0 oz/a PRE A	14.3 -	5.0 -	5.0 -	13.8 -	10.0 -	47.5 bcd	18.8 e	26.3 c
1 GA-06G 3 BRAKE 1.2 SL 32.0 oz/a PRE A	16.0 -	11.3 -	2.5 -	36.3 -	13.8 -	45.0 cd	33.8 d	32.5 ab
2 GA-18RU 3 BRAKE 1.2 SL 32.0 oz/a PRE A	13.8 -	7.5 -	2.5 -	26.3 -	10.0 -	42.5 d	27.5 d	26.3 c
3 GA-16HO 3 BRAKE 1.2 SL 32.0 oz/a PRE A	12.3 -	8.8 -	5.0 -	40.0 -	10.0 -	50.0 bc	33.8 d	35.0 a
1 GA-06G 4 BRAKE 1.2 SL 64.0 oz/a PRE A	16.3 -	23.8 -	2.5 -	65.0 -	37.5 -	56.3 a	56.3 b	32.5 ab
2 GA-18RU 4 BRAKE 1.2 SL 64.0 oz/a PRE A	13.3 -	11.3 -	5.0 -	63.8 -	32.5 -	56.3 a	47.5 c	32.5 ab
3 GA-16HO 4 BRAKE 1.2 SL 64.0 oz/a PRE A	13.5 -	21.3 -	5.0 -	70.0 -	42.5 -	51.3 ab	72.5 a	30.0 bc
LSD P=.10	1.82	7.49	7.05	7.62	7.00	5.07	7.98	4.94
Standard Deviation	1.48	6.10	5.75	6.22	5.71	4.14	6.50	4.03
CV	10.37	75.14	212.43	22.44	39.71	12.30	25.49	19.42

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-04-19		Study Dir.: KYLE BRISCOE									
Location: PONDER FARM		Investigator: Eric P. Prostko									
Weed Code	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	-----	-----			
Crop Code	Necrosis	Density	Stunting	Stand -	Stand -	Stand -	ARAHY	ARAHY			
Part Rated	Percent	#/3ft	Percent	Loss	Loss	Loss	DIRTY -	CLEAN -			
Rating Data Type	Jun-5-19	Jun-5-19	Jun-26-19	Percent	Percent	Percent	YIELD	YIELD			
Rating Unit	34 DA-A	34 DA-A	55 DA-A	Aug-1-19	Aug-1-19	Aug-1-19	LBS/PLOT	LBS/PLOT			
Rating Date				Sep-25-19	Sep-25-19	Sep-25-19					
Trt-Eval Interval				146 DA-A	146 DA-A	146 DA-A					
PRM Data Type											
# Subsamples, Dec.							- 1	- 1			
Trt Treatment	Form Form	Rate Grow	Appl								
No. Name	Conc Type	Rate Unit	Stg	Code							
	9	10	11	12	13	14	15	16			
TABLE OF R MEANS											
Replicate 1	13.3	13.0	13.3	9.6	7.9	4.2	20.8	20.4			
Replicate 2	24.2	13.0	22.1	18.8	9.6	4.6	18.3	17.9			
Replicate 3	28.8	11.8	28.3	24.6	17.1	18.3	16.1	15.8			
Replicate 4	32.5	9.8	32.9	25.8	18.8	17.5	16.2	15.9			
TABLE OF A (VARIETY) MEANS											
1 GA-06G	23.4 b	12.4 -	23.1 b	20.6 -	13.4 ab	12.5 -	17.2 -	16.9 -			
2 GA-18RU	20.3 b	12.3 -	19.7 b	15.3 -	9.1 b	7.5 -	19.2 -	18.8 -			
3 GA-16HO	30.3 a	10.9 -	29.7 a	23.1 -	17.5 a	13.4 -	17.1 -	16.7 -			
LSD P=.10	5.40	1.85	5.80	7.30	6.15	6.72	2.23	2.18			
Standard Deviation	7.86	2.70	8.45	10.63	8.95	9.78	3.24	3.18			
CV	31.84	22.71	34.95	54.00	67.10	87.75	18.17	18.17			
TABLE OF B (BRAKE RATE) MEANS											
1 NO BRAKE	0.0 c	15.7 a	0.0 c	0.0 c	0.0 c	0.0 b	22.6 a	22.2 a			
2 BRAKE	1.2 SL	16.0 oz/a	PRE A	8.8 c	15.6 a	11.3 c	4.6 c	2.9 bc	0.0 b	20.2 ab	19.8 ab
3 BRAKE	1.2 SL	32.0 oz/a	PRE A	26.7 b	10.6 b	28.3 b	18.8 b	11.7 b	4.6 b	18.3 b	17.9 b
4 BRAKE	1.2 SL	64.0 oz/a	PRE A	63.3 a	5.7 c	57.1 a	55.4 a	38.8 a	40.0 a	10.2 c	10.0 c
LSD P=.10	14.64	2.48	13.45	12.98	8.78	17.58	3.28	3.21			
Standard Deviation	19.56	3.32	17.98	17.35	11.73	23.49	4.38	4.29			
CV	79.22	27.94	74.38	88.12	87.95	210.78	24.55	24.55			
TABLE OF A (VARIETY) B (BRAKE RATE) MEANS											
1 GA-06G	0.0 g	16.3 -	0.0 f	0.0 -	0.0 d	0.0 -	22.6 -	22.1 -			
1 NO BRAKE											
2 GA-18RU	0.0 g	14.0 -	0.0 f	0.0 -	0.0 d	0.0 -	23.0 -	22.5 -			
1 NO BRAKE											
3 GA-16HO	0.0 g	16.8 -	0.0 f	0.0 -	0.0 d	0.0 -	22.3 -	21.9 -			
1 NO BRAKE											
1 GA-06G	8.8 ef	16.0 -	12.5 e	6.3 -	3.8 d	0.0 -	18.0 -	17.7 -			
2 BRAKE	1.2 SL	16.0 oz/a	PRE A								
2 GA-18RU	5.0 fg	15.5 -	5.0 f	1.3 -	1.3 d	0.0 -	21.9 -	21.4 -			
2 BRAKE	1.2 SL	16.0 oz/a	PRE A								
3 GA-16HO	12.5 e	15.3 -	16.3 e	6.3 -	3.8 d	0.0 -	20.8 -	20.4 -			
2 BRAKE	1.2 SL	16.0 oz/a	PRE A								
1 GA-06G	25.0 d	10.3 -	26.3 d	21.3 -	13.8 c	8.8 -	17.9 -	17.5 -			
3 BRAKE	1.2 SL	32.0 oz/a	PRE A								
2 GA-18RU	20.0 d	12.8 -	23.8 d	11.3 -	5.0 d	0.0 -	19.9 -	19.5 -			
3 BRAKE	1.2 SL	32.0 oz/a	PRE A								
3 GA-16HO	35.0 c	8.8 -	35.0 c	23.8 -	16.3 c	5.0 -	17.1 -	16.7 -			
3 BRAKE	1.2 SL	32.0 oz/a	PRE A								
1 GA-06G	60.0 b	7.3 -	53.8 b	55.0 -	36.3 b	41.3 -	10.5 -	10.3 -			
4 BRAKE	1.2 SL	64.0 oz/a	PRE A								
2 GA-18RU	56.3 b	6.8 -	50.0 b	48.8 -	30.0 b	30.0 -	12.2 -	11.9 -			
4 BRAKE	1.2 SL	64.0 oz/a	PRE A								
3 GA-16HO	73.8 a	3.0 -	67.5 a	62.5 -	50.0 a	48.8 -	8.1 -	7.9 -			
4 BRAKE	1.2 SL	64.0 oz/a	PRE A								
LSD P=.10	6.70	4.06	6.47	9.77	7.93	10.85	3.48	3.41			
Standard Deviation	5.46	3.31	5.28	7.97	6.47	8.85	2.80	2.75			
CV	22.13	27.90	21.83	40.47	48.51	79.39	15.71	15.71			

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-04-19		Study Dir.: KYLE BRISCOE		
Location: PONDER FARM		Investigator: Eric P. Prostko		
Weed Code		-----		-----
Crop Code		ARAHY		ARAHY
Part Rated		CLEAN -		YIELD -
Rating Data Type		YIELD		LOSS
Rating Unit		LBS/A		PERCENT
Rating Date		Sep-25-19		Sep-25-19
Trt-Eval Interval		146 DA-A		146 DA-A
PRM Data Type		TY2		
# Subsamples, Dec.		- 0		
Trt No.	Treatment Name	Form Conc	Rate Unit	Grow Stg Appl Code
				17
				18
TABLE OF R MEANS				
Replicate 1				6194
Replicate 2				5440
Replicate 3				4788
Replicate 4				4816
TABLE OF A (VARIETY) MEANS				
1 GA-06G				5129 -
2 GA-18RU				5722 -
3 GA-16HO				5078 -
LSD P=.10				662.9
Standard Deviation				964.9
CV				18.2
TABLE OF B (BRAKE RATE) MEANS				
1 NO BRAKE				6733 a
2 BRAKE	1.2 SL	16.0 oz/a	PRE A	6021 ab
3 BRAKE	1.2 SL	32.0 oz/a	PRE A	5441 b
4 BRAKE	1.2 SL	64.0 oz/a	PRE A	3044 c
LSD P=.10				975.4
Standard Deviation				1303.4
CV				24.5
TABLE OF A (VARIETY) B (BRAKE RATE) MEANS				
1 GA-06G				6725 -
1 NO BRAKE				0.00 -
2 GA-18RU				6829 -
1 NO BRAKE				0.00 -
3 GA-16HO				6645 -
1 NO BRAKE				0.00 -
1 GA-06G				5363 -
2 BRAKE	1.2 SL	16.0 oz/a	PRE A	21.55 -
2 GA-18RU				6509 -
2 BRAKE	1.2 SL	16.0 oz/a	PRE A	6.48 -
3 GA-16HO				6189 -
2 BRAKE	1.2 SL	16.0 oz/a	PRE A	4.68 -
1 GA-06G				5311 -
3 BRAKE	1.2 SL	32.0 oz/a	PRE A	21.03 -
2 GA-18RU				5931 -
3 BRAKE	1.2 SL	32.0 oz/a	PRE A	13.37 -
3 GA-16HO				5081 -
3 BRAKE	1.2 SL	32.0 oz/a	PRE A	21.38 -
1 GA-06G				3117 -
4 BRAKE	1.2 SL	64.0 oz/a	PRE A	53.65 -
2 GA-18RU				3620 -
4 BRAKE	1.2 SL	64.0 oz/a	PRE A	46.97 -
3 GA-16HO				2395 -
4 BRAKE	1.2 SL	64.0 oz/a	PRE A	62.93 -
LSD P=.10				1034.2
Standard Deviation				834.3
CV				15.7
				15.465
				12.476
				59.406

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 BRAKE WEED-FREE						
Trial ID: PE-04-19		Study Dir.: KYLE BRISCOE				
Location: PONDER FARM		Investigator: Eric P. Prostko				
COMPLETE FACTORIAL AOV For Arahy 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	246.312500				
R	3	23.895833	7.965278	3.614	0.0334	
A	2	109.500000	54.750000	10.540	0.0109	1.6
RA	6	31.166667	5.194444			
B	3	2.729167	0.909722	0.303	0.8226	1.3
RB	9	27.020833	3.002315			
AB	6	12.333333	2.055556	0.933	0.4955	1.8
RAB	18	39.666667	2.203704			
COMPLETE FACTORIAL AOV For Arahy Bleachin Percent May-10-19 8 DA-A (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	5381.250000				
R	3	560.416667	186.805556	5.012	0.0106	
A	2	262.500000	131.250000	2.124	0.2007	5.4
RA	6	370.833333	61.805556			
B	3	2310.416667	770.138889	6.860	0.0106	7.9
RB	9	1010.416667	112.268519			
AB	6	195.833333	32.638889	0.876	0.5317	7.5
RAB	18	670.833333	37.268519			
COMPLETE FACTORIAL AOV For Arahy Stunting Percent May-10-19 8 DA-A (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	1147.916667				
R	3	122.916667	40.972222	1.238	0.3252	
A	2	29.166667	14.583333	4.200	0.0723	1.3
RA	6	20.833333	3.472222			
B	3	122.916667	40.972222	1.566	0.2642	3.8
RB	9	235.416667	26.157407			
AB	6	20.833333	3.472222	0.105	0.9948	7.1
RAB	18	595.833333	33.101852			
COMPLETE FACTORIAL AOV For Arahy Bleachin Percent May-13-19 11 DA-A (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	33797.916667				
R	3	777.083333	259.027778	6.701	0.0031	
A	2	379.166667	189.583333	3.000	0.1250	5.5
RA	6	379.166667	63.194444			
B	3	30852.083333	10284.027778	212.569	0.0001	5.2
RB	9	435.416667	48.379630			
AB	6	279.166667	46.527778	1.204	0.3490	7.6
RAB	18	695.833333	38.657407			
COMPLETE FACTORIAL AOV For Arahy Stunting Percent May-24-19 22 DA-A (Data Column 5)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	10881.250000				
R	3	206.250000	68.750000	2.110	0.1346	
A	2	65.625000	32.812500	1.340	0.3302	3.4
RA	6	146.875000	24.479167			
B	3	9393.750000	3131.250000	94.594	0.0001	4.3
RB	9	297.916667	33.101852			
AB	6	184.375000	30.729167	0.943	0.4891	7.0
RAB	18	586.458333	32.581019			
COMPLETE FACTORIAL AOV For Arahy Chlorosi Percent May-24-19 22 DA-A (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	24336.979167				
R	3	1264.062500	421.354167	24.598	0.0001	
A	2	379.166667	189.583333	45.500	0.0002	1.4
RA	6	25.000000	4.166667			
B	3	20630.729167	6876.909722	93.939	0.0001	6.4
RB	9	658.854167	73.206019			
AB	6	1070.833333	178.472222	10.419	0.0001	5.1
RAB	18	308.333333	17.129630			

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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PEANUT VARIETY RESPONSE TO BRAKE WEED-FREE							
Trial ID: PE-04-19		Study Dir.: KYLE BRISCOE					
Location: PONDER FARM		Investigator: Eric P. Prostko					
COMPLETE FACTORIAL AOV For Arah Necrosis Percent May-24-19 22 DA-A (Data Column 7)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	28111.979167					
R	3	551.562500	183.854167	4.346	0.0181		
A	2	1132.291667	566.145833	21.314	0.0019	3.5	
RA	6	159.375000	26.562500				
B	3	23822.395833	7940.798611	82.019	0.0001	7.4	
RB	9	871.354167	96.817130				
AB	6	813.541667	135.590278	3.205	0.0255	8.0	
RAB	18	761.458333	42.303241				
COMPLETE FACTORIAL AOV For Arah Bleach Percent Jun-5-19 34 DA-A (Data Column 8)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	9699.479167					
R	3	239.062500	79.687500	4.918	0.0114		
A	2	216.666667	108.333333	1.733	0.2546	5.4	
RA	6	375.000000	62.500000				
B	3	7926.562500	2642.187500	79.128	0.0001	4.3	
RB	9	300.520833	33.391204				
AB	6	350.000000	58.333333	3.600	0.0160	4.9	
RAB	18	291.666667	16.203704				
COMPLETE FACTORIAL AOV For Arah Necrosis Percent Jun-5-19 34 DA-A (Data Column 9)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	36420.312500					
R	3	2480.729167	826.909722	27.692	0.0001		
A	2	837.500000	418.750000	6.775	0.0289	5.4	
RA	6	370.833333	61.805556				
B	3	28330.729167	9443.576389	24.691	0.0001	14.6	
RB	9	3442.187500	382.465278				
AB	6	420.833333	70.138889	2.349	0.0749	6.7	
RAB	18	537.500000	29.861111				
COMPLETE FACTORIAL AOV For Arah Density #/3ft Jun-5-19 34 DA-A (Data Column 10)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	1339.250000					
R	3	84.750000	28.250000	2.574	0.0860		
A	2	21.375000	10.687500	1.470	0.3023	1.9	
RA	6	43.625000	7.270833				
B	3	820.083333	273.361111	24.830	0.0001	2.5	
RB	9	99.083333	11.009259				
AB	6	72.791667	12.131944	1.105	0.3972	4.1	
RAB	18	197.541667	10.974537				
COMPLETE FACTORIAL AOV For Arah Stunting Percent Jun-26-19 55 DA-A (Data Column 11)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	29866.666667					
R	3	2587.500000	862.500000	30.985	0.0001		
A	2	826.041667	413.020833	5.788	0.0398	5.8	
RA	6	428.125000	71.354167				
B	3	22220.833333	7406.944444	22.921	0.0002	13.5	
RB	9	2908.333333	323.148148				
AB	6	394.791667	65.798611	2.364	0.0734	6.5	
RAB	18	501.041667	27.835648				
COMPLETE FACTORIAL AOV For Arah Stand Loss Percent Jun-26-19 55 DA-A (Data Column 12)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	30020.312500					
R	3	1976.562500	658.854167	10.378	0.0003		
A	2	509.375000	254.687500	2.253	0.1862	7.3	
RA	6	678.125000	113.020833				
B	3	22718.229167	7572.743056	25.160	0.0001	13.0	
RB	9	2708.854167	300.983796				
AB	6	286.458333	47.743056	0.752	0.6159	9.8	
RAB	18	1142.708333	63.483796				

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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PEANUT VARIETY RESPONSE TO BRAKE WEED-FREE						
Trial ID: PE-04-19		Study Dir.: KYLE BRISCOE				
Location: PONDER FARM		Investigator: Eric P. Prostko				

COMPLETE FACTORIAL AOV For Arahy Stunting Percent Aug-1-19 91 DA-A (Data Column 13)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	15866.666667				
R	3	1041.666667	347.222222	8.299	0.0011	
A	2	569.791667	284.895833	3.560	0.0957	6.1
RA	6	480.208333	80.034722			
B	3	11220.833333	3740.277778	27.202	0.0001	8.8
RB	9	1237.500000	137.500000			
AB	6	563.541667	93.923611	2.245	0.0858	7.9
RAB	18	753.125000	41.840278			

COMPLETE FACTORIAL AOV For Arahy Stand Loss Percent Aug-1-19 91 DA-A (Data Column 14)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	23511.979167				
R	3	2205.729167	735.243056	9.390	0.0006	
A	2	326.041667	163.020833	1.704	0.2594	6.7
RA	6	573.958333	95.659722			
B	3	13489.062500	4496.354167	8.147	0.0062	17.6
RB	9	4967.187500	551.909722			
AB	6	540.625000	90.104167	1.151	0.3743	10.8
RAB	18	1409.375000	78.298611			

COMPLETE FACTORIAL AOV For ----- ARAHY DIRTY YIELD LBS/PLOT Sep-25-19 146 DA-A 1 (Data Column 15) Missing values in column 15 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	44	1656.991852				
R	3	178.188333	59.396111	7.555	0.0026	
A	2	46.396713	23.198356	2.206	0.1913	2.2
RA	6	63.087917	10.514653			
B	3	1041.041296	347.013765	18.086	0.0004	3.3
RB	9	172.677778	19.186420			
AB	6	37.673843	6.278974	0.799	0.5857	3.5
RAB	15	117.925972	7.861731			

COMPLETE FACTORIAL AOV For ----- ARAHY CLEAN YIELD LBS/PLOT Sep-25-19 146 DA-A T1 1 (Data Column 16) Missing values in column 16 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	44	1591.374975				
R	3	171.132075	57.044025	7.555	0.0026	
A	2	44.559403	22.279702	2.206	0.1913	2.2
RA	6	60.589635	10.098273			
B	3	999.816061	333.272020	18.086	0.0004	3.2
RB	9	165.839738	18.426638			
AB	6	36.181958	6.030326	0.799	0.5857	3.4
RAB	15	113.256104	7.550407			

COMPLETE FACTORIAL AOV For ----- ARAHY CLEAN YIELD LBS/A Sep-25-19 146 DA-A TY2 0 (Data Column 17) Missing values in column 17 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	44	146710055.325993				
R	3	15776794.685239	5258931.561746	7.555	0.0026	
A	2	4107964.875104	2053982.437552	2.206	0.1913	663
RA	6	5585804.018423	930967.336404			
B	3	92173794.340377	30724598.113459	18.086	0.0004	975
RB	9	15288890.107115	1698765.567457			
AB	6	3335641.949551	555940.324925	0.799	0.5857	1034
RAB	15	10441165.350185	696077.690012			

COMPLETE FACTORIAL AOV For ----- ARAHY YIELD LOSS PERCENT Sep-25-19 146 DA-A (Data Column 18) Missing values in column 18 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	44	31295.345532				
R	3	2989.548403	996.516134	6.403	0.0052	
A	2	469.754630	234.877315	1.366	0.3244	9.01
RA	6	1031.732222	171.955370			
B	3	20064.050440	6688.016813	17.145	0.0005	14.78
RB	9	3510.711875	390.079097			
AB	6	894.949630	149.158272	0.958	0.4847	15.46
RAB	15	2334.598333	155.639889			

PRM Data Type

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 BRAKE WEED-FREE	
Trial ID: PE-04-19	Study Dir.: KYLE BRISCOE
Location: PONDER FARM	Investigator: Eric P. Prostko
T1 = [C15]*0.98 TY2 = 303.6293*[16]	

University of Georgia

PEANUT VARIETY RESPONSE TO BRAKE WEED-FREE															
Trial ID: PE-04-19		Study Dir.: KYLE BRISCOE													
Location: PONDER FARM		Investigator: Eric P. Prostko													
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	PRM Data Type	# Subsamples, Dec.	Arahy	Arahy	Arahy	Arahy			
									Stand #/3ft	Bleachin Percent	Stunting Percent	Bleachin Percent	Stunting Percent	Chlorosi Percent	Necrosis Percent
									May-10-19	May-10-19	May-10-19	May-13-19	May-24-19	May-24-19	May-24-19
									8 DA-A	8 DA-A	8 DA-A	11 DA-A	22 DA-A	22 DA-A	22 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	Plot	1	2	3	4	5	6	7
1	GA-06G NO BRAKE							101	18.0	0.0	0.0	0.0	0.0	0.0	0.0
								204	18.0	0.0	0.0	0.0	0.0	0.0	0.0
								302	16.0	0.0	0.0	0.0	0.0	0.0	0.0
								403	15.0	0.0	0.0	0.0	0.0	0.0	0.0
								Mean =	16.8	0.0	0.0	0.0	0.0	0.0	0.0
2	GA-06G BRAKE	1.2 SL		16.0 oz/a	PRE	A		102	16.0	5.0	0.0	0.0	5.0	15.0	0.0
								203	17.0	10.0	0.0	15.0	10.0	40.0	20.0
								304	16.0	10.0	0.0	10.0	5.0	35.0	10.0
								401	18.0	5.0	10.0	10.0	10.0	40.0	25.0
								Mean =	16.8	7.5	2.5	8.8	7.5	32.5	13.8
3	GA-06G BRAKE	1.2 SL		32.0 oz/a	PRE	A		103	16.0	5.0	0.0	40.0	20.0	30.0	30.0
								202	17.0	20.0	0.0	35.0	10.0	50.0	40.0
								301	18.0	10.0	10.0	35.0	5.0	50.0	30.0
								404	13.0	10.0	0.0	35.0	20.0	50.0	35.0
								Mean =	16.0	11.3	2.5	36.3	13.8	45.0	33.8
4	GA-06G BRAKE	1.2 SL		64.0 oz/a	PRE	A		104	19.0	15.0	0.0	65.0	30.0	50.0	40.0
								201	15.0	10.0	10.0	65.0	50.0	50.0	45.0
								303	15.0	40.0	0.0	65.0	30.0	60.0	75.0
								402	16.0	30.0	0.0	65.0	40.0	65.0	65.0
								Mean =	16.3	23.8	2.5	65.0	37.5	56.3	56.3
5	GA-18RU NO BRAKE							105	11.0	0.0	0.0	0.0	0.0	0.0	0.0
								208	11.0	0.0	0.0	0.0	0.0	0.0	0.0
								307	15.0	0.0	0.0	10.0	0.0	0.0	0.0
								406	12.0	0.0	0.0	0.0	0.0	0.0	0.0
								Mean =	12.3	0.0	0.0	2.5	0.0	0.0	0.0
6	GA-18RU BRAKE	1.2 SL		16.0 oz/a	PRE	A		106	13.0	0.0	0.0	0.0	5.0	15.0	0.0
								207	12.0	5.0	0.0	10.0	10.0	30.0	0.0
								308	14.0	0.0	0.0	0.0	10.0	20.0	10.0
								405	13.0	0.0	10.0	10.0	10.0	25.0	0.0
								Mean =	13.0	1.3	2.5	5.0	8.8	22.5	2.5
7	GA-18RU BRAKE	1.2 SL		32.0 oz/a	PRE	A		107	15.0	5.0	0.0	10.0	10.0	30.0	25.0
								206	14.0	0.0	0.0	25.0	10.0	40.0	20.0
								305	14.0	10.0	10.0	20.0	10.0	50.0	30.0
								408	12.0	15.0	0.0	50.0	10.0	50.0	35.0
								Mean =	13.8	7.5	2.5	26.3	10.0	42.5	27.5
8	GA-18RU BRAKE	1.2 SL		64.0 oz/a	PRE	A		108	11.0	5.0	0.0	50.0	30.0	40.0	30.0
								205	14.0	5.0	10.0	65.0	30.0	60.0	50.0
								306	16.0	5.0	10.0	65.0	20.0	60.0	50.0
								407	12.0	30.0	0.0	75.0	50.0	65.0	60.0
								Mean =	13.3	11.3	5.0	63.8	32.5	56.3	47.5
9	GA-16HO NO BRAKE							109	14.0	0.0	0.0	0.0	0.0	0.0	0.0
								212	12.0	0.0	0.0	0.0	0.0	0.0	0.0
								310	16.0	0.0	0.0	0.0	0.0	0.0	0.0
								411	13.0	0.0	0.0	5.0	0.0	0.0	0.0
								Mean =	13.8	0.0	0.0	1.3	0.0	0.0	0.0
10	GA-16HO BRAKE	1.2 SL		16.0 oz/a	PRE	A		110	14.0	0.0	0.0	10.0	10.0	40.0	20.0
								211	11.0	10.0	0.0	15.0	10.0	50.0	25.0
								309	15.0	0.0	20.0	0.0	10.0	50.0	10.0
								412	17.0	10.0	0.0	30.0	10.0	50.0	20.0
								Mean =	14.3	5.0	5.0	13.8	10.0	47.5	18.8
11	GA-16HO BRAKE	1.2 SL		32.0 oz/a	PRE	A		111	11.0	10.0	0.0	30.0	10.0	40.0	35.0
								210	11.0	5.0	10.0	40.0	10.0	50.0	30.0
								312	16.0	5.0	0.0	40.0	10.0	60.0	35.0
								409	11.0	15.0	10.0	50.0	10.0	50.0	35.0
								Mean =	12.3	8.8	5.0	40.0	10.0	50.0	33.8

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PEANUT VARIETY RESPONSE TO BRAKE
WEED-FREE

Trial ID: PE-04-19 Study Dir.: KYLE BRISCOE
Location: PONDER FARM Investigator: Eric P. Prostko

	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy
Weed Code							
Crop Code							
Part Rated							
Rating Data Type	Stand	Bleachin	Stunting	Bleachin	Stunting	Chlorosi	Necrosis
Rating Unit	#/3ft	Percent	Percent	Percent	Percent	Percent	Percent
Rating Date	May-10-19	May-10-19	May-10-19	May-13-19	May-24-19	May-24-19	May-24-19
Trt-Eval Interval	8 DA-A	8 DA-A	8 DA-A	11 DA-A	22 DA-A	22 DA-A	22 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	10.0	0.0	65.0	50.0	40.0	65.0
BRAKE							
1.2 SL 64.0 oz/a PRE A							
209	11.0	15.0	10.0	65.0	30.0	50.0	65.0
311	14.0	10.0	0.0	75.0	40.0	50.0	85.0
410	14.0	50.0	10.0	75.0	50.0	65.0	75.0
Mean =	13.5	21.3	5.0	70.0	42.5	51.3	72.5

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PEANUT VARIETY RESPONSE TO BRAKE WEED-FREE																	
Trial ID: PE-04-19		Study Dir.: KYLE BRISCOE															
Location: PONDER FARM		Investigator: Eric P. Prostko															
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	PRM Data Type	# Subsamples, Dec.	Arahy	Arahy	Arahy	Arahy	Arahy Stand - Loss Percent	Arahy Stunting Percent	Arahy Stand - Loss Percent	ARAHY DIRTY - YIELD LBS/PLOT	
									Bleach Percent	Necrosis Percent	Density #/3ft	Stunting Percent	Loss Percent	Stunting Percent	Loss Percent <td>-----</td>	-----	
									Jun-5-19	Jun-5-19	Jun-5-19	Jun-26-19	Jun-26-19	Aug-1-19	Aug-1-19	-----	
									34 DA-A	34 DA-A	34 DA-A	55 DA-A	55 DA-A	91 DA-A	91 DA-A	146 DA-A	
																- 1	
Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Form Unit	Form Stg	Form Code	Form Appl	8	9	10	11	12	13	14	15	
1	GA-06G NO BRAKE								101 204 302 403 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	14.0 17.0 18.0 16.0 16.3	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	24.5 21.2 22.9 21.8 22.6	
2	GA-06G BRAKE	1.2 SL		16.0 oz/a	PRE	A			102 203 304 401 Mean =	5.0 30.0 20.0 30.0 21.3	0.0 20.0 5.0 10.0 8.8	15.0 17.0 15.0 17.0 16.0	0.0 20.0 5.0 25.0 12.5	0.0 10.0 5.0 10.0 6.3	0.0 10.0 0.0 5.0 3.8	23.8 17.6 10.5 20.2 18.0	
3	GA-06G BRAKE	1.2 SL		32.0 oz/a	PRE	A			103 202 301 404 Mean =	20.0 40.0 30.0 40.0 32.5	10.0 30.0 20.0 40.0 25.0	14.0 10.0 13.0 4.0 10.3	10.0 30.0 25.0 40.0 26.3	5.0 30.0 20.0 30.0 21.3	0.0 20.0 10.0 25.0 13.8	0.0 10.0 5.0 20.0 8.8	22.3 16.0 19.9 13.2 17.9
4	GA-06G BRAKE	1.2 SL		64.0 oz/a	PRE	A			104 201 303 402 Mean =	30.0 30.0 30.0 40.0 32.5	20.0 50.0 80.0 90.0 60.0	14.0 12.0 3.0 0.0 7.3	20.0 40.0 70.0 85.0 53.8	10.0 50.0 75.0 85.0 55.0	15.0 20.0 50.0 60.0 36.3	0.0 15.0 75.0 75.0 41.3	19.2 14.6 5.4 2.7 10.5
5	GA-18RU NO BRAKE								105 208 307 406 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	14.0 16.0 15.0 11.0 14.0	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	24.1 22.2 21.3 24.2 23.0	
6	GA-18RU BRAKE	1.2 SL		16.0 oz/a	PRE	A			106 207 308 405 Mean =	5.0 20.0 10.0 15.0 12.5	0.0 10.0 5.0 5.0 5.0	18.0 14.0 16.0 14.0 15.5	5.0 10.0 0.0 5.0 5.0	0.0 5.0 0.0 0.0 1.3	0.0 0.0 0.0 5.0 1.3	0.0 0.0 0.0 0.0 0.0	23.3 20.8 19.9 23.5 21.9
7	GA-18RU BRAKE	1.2 SL		32.0 oz/a	PRE	A			107 206 305 408 Mean =	20.0 25.0 30.0 30.0 26.3	10.0 25.0 25.0 20.0 20.0	13.0 12.0 15.0 11.0 12.8	15.0 20.0 30.0 30.0 23.8	5.0 5.0 20.0 15.0 11.3	0.0 0.0 10.0 10.0 5.0	0.0 0.0 0.0 0.0 0.0	23.1 21.9 20.2 16.5 19.9
8	GA-18RU BRAKE	1.2 SL		64.0 oz/a	PRE	A			108 205 306 407 Mean =	30.0 30.0 30.0 40.0 32.5	30.0 50.0 60.0 85.0 56.3	8.0 12.0 7.0 0.0 6.8	20.0 40.0 65.0 75.0 50.0	20.0 50.0 50.0 75.0 48.8	10.0 20.0 40.0 50.0 30.0	0.0 10.0 50.0 60.0 30.0	18.6 17.2 10.7 7.2 12.2
9	GA-16HO NO BRAKE								109 212 310 411 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	16.0 17.0 17.0 17.0 16.8	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	22.3 21.4 23.3 23.3 22.3	
10	GA-16HO BRAKE	1.2 SL		16.0 oz/a	PRE	A			110 211 309 412 Mean =	25.0 30.0 30.0 20.0 26.3	10.0 10.0 20.0 10.0 12.5	18.0 13.0 18.0 12.0 15.3	10.0 15.0 20.0 20.0 16.3	0.0 5.0 15.0 5.0 6.3	0.0 0.0 10.0 5.0 3.8	0.0 0.0 0.0 0.0 0.0	22.1 20.5 21.4 19.2 20.8
11	GA-16HO BRAKE	1.2 SL		32.0 oz/a	PRE	A			111 210 312 409 Mean =	40.0 30.0 40.0 30.0 35.0	30.0 30.0 40.0 40.0 35.0	7.0 13.0 3.0 12.0 8.8	30.0 30.0 40.0 40.0 35.0	25.0 20.0 25.0 25.0 23.8	20.0 5.0 25.0 15.0 16.3	0.0 0.0 15.0 5.0 5.0	17.4 18.1 14.8 18.0 17.1

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PEANUT VARIETY RESPONSE TO BRAKE
WEED-FREE

Trial ID: PE-04-19 Study Dir.: KYLE BRISCOE
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	-----
Crop Code								
Part Rated								
Rating Data Type	Bleach	Necrosis	Density	Stunting	Stand -	Stand -	Stand -	ARAHY
Rating Unit	Percent	Percent	#/3ft	Percent	Loss	Loss	Loss	DIRTY -
Rating Date	Jun-5-19	Jun-5-19	Jun-5-19	Jun-26-19	Percent	Percent	Percent	YIELD
Trt-Eval Interval	34 DA-A	34 DA-A	34 DA-A	55 DA-A	Jun-26-19	Aug-1-19	Aug-1-19	LBS/PLOT
PRM Data Type					55 DA-A	91 DA-A	91 DA-A	Sep-25-19
# Subsamples, Dec.								146 DA-A
								- 1
Trt Treatment	Form	Form	Rate	Grow	Appl			
No. Name	Conc	Type	Rate	Unit	Stg	Code	Plot	
								8
								9
								10
								11
								12
								13
								14
								15
12 GA-16HO							112	30.0
BRAKE	1.2	SL	64.0	oz/a	PRE	A	209	30.0
							311	30.0
							410	30.0
							Mean =	30.0
							50.0	50.0
							5.0	50.0
							3.0	60.0
							1.0	85.0
							3.0	75.0
							3.0	65.0
							67.5	62.5
							50.0	50.0
							50.0	40.0
							50.0	75.0
							50.0	50.0
							50.0	48.8
							9.1	14.9
							2.8	5.4
							8.1	

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PEANUT VARIETY RESPONSE TO BRAKE WEED-FREE											
Trial ID: PE-04-19		Study Dir.: KYLE BRISCOE									
Location: PONDER FARM		Investigator: Eric P. Prostko									
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	PRM Data Type	# Subsamples, Dec.	----- 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	----- ARAHY YIELD - LOSS PERCENT Sep-25-19 146 DA-A
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	16	17	18
1	GA-06G NO BRAKE							101 204 302 403 Mean =	24.0 20.8 22.4 21.4 22.1	7290 6308 6814 6487 6725	0.00 0.00 0.00 0.00 0.00
2	GA-06G BRAKE	1.2 SL		16.0 oz/a	PRE	A		102 203 304 401 Mean =	23.3 17.2 10.3 19.8 17.7	7082 5237 3124 6011 5363	0.00 22.10 53.50 10.60 21.55
3	GA-06G BRAKE	1.2 SL		32.0 oz/a	PRE	A		103 202 301 404 Mean =	21.9 15.7 19.5 12.9 17.5	6636 4761 5921 3928 5311	1.30 29.20 12.00 41.60 21.03
4	GA-06G BRAKE	1.2 SL		64.0 oz/a	PRE	A		104 201 303 402 Mean =	18.8 14.3 5.3 2.6 10.3	5713 4344 1607 803 3117	15.00 35.40 76.10 88.10 53.65
5	GA-18RU NO BRAKE							105 208 307 406 Mean =	23.6 21.8 20.9 23.7 22.5	7171 6606 6338 7201 6829	0.00 0.00 0.00 0.00 0.00
6	GA-18RU BRAKE	1.2 SL		16.0 oz/a	PRE	A		106 207 308 405 Mean =	22.8 20.4 19.5 23.0 21.4	6933 6189 5921 6993 6509	3.30 9.30 13.30 0.00 6.48
7	GA-18RU BRAKE	1.2 SL		32.0 oz/a	PRE	A		107 206 305 408 Mean =	22.6 . 19.8 16.2 19.5	6874 . 6011 4910 5931	0.00 . 12.00 28.10 13.37
8	GA-18RU BRAKE	1.2 SL		64.0 oz/a	PRE	A		108 205 306 407 Mean =	18.2 . 10.5 7.1 11.9	5535 . 3184 2142 3620	18.90 . 53.40 68.60 46.97
9	GA-16HO NO BRAKE							109 212 310 411 Mean =	21.9 21.0 22.8 . 21.9	6636 6368 6933 . 6645	0.00 0.00 0.00 . 0.00
10	GA-16HO BRAKE	1.2 SL		16.0 oz/a	PRE	A		110 211 309 412 Mean =	21.7 20.1 21.0 18.8 20.4	6576 6100 6368 5713 6189	0.00 5.60 1.50 11.60 4.68
11	GA-16HO BRAKE	1.2 SL		32.0 oz/a	PRE	A		111 210 312 409 Mean =	17.1 17.7 14.5 17.6 16.7	5177 5386 4404 5356 5081	19.90 16.70 31.80 17.10 21.38

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PEANUT VARIETY RESPONSE TO BRAKE
WEED-FREE

Trial ID: PE-04-19 Study Dir.: KYLE BRISCOE
Location: PONDER FARM Investigator: Eric P. Prostko

	----- ARAHY	----- ARAHY	----- ARAHY
Weed Code	CLEAN -	CLEAN -	YIELD -
Crop Code	YIELD	YIELD	LOSS
Part Rated	LBS/PLOT	LBS/A	PERCENT
Rating Data Type	Sep-25-19	Sep-25-19	Sep-25-19
Rating Unit	146 DA-A	146 DA-A	146 DA-A
Rating Date	T1	TY2	
Trt-Eval Interval	- 1	- 0	
PRM Data Type			
# Subsamples, Dec.			
Trt Treatment Form Form Rate Grow Appl			
No. Name Conc Type Rate Unit Stg Code Plot	16	17	18
12 GA-16HO	112	8.9	2708
BRAKE 1.2 SL 64.0 oz/a PRE A	209	14.6	4434
	311	2.7	833
	410	5.3	1607
Mean =	7.9	2395	62.93

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PEANUT VARIETY RESPONSE TO BRAKE
WEED-FREE

Trial ID: PE-04-19 Study Dir.: KYLE BRISCOE
Location: PONDER FARM Investigator: Eric P. Prostko

PRM Data Type

T1 = [C15]*0.98
TY2 = 303.6293*[16]