

University of Georgia

PEANUT RESPONSE TO REVITON
YEAR 3

Trial ID: PE-05-23 Study Dir.: SCOTT AKIN
Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 3 Plots: 6 by 25 feet
Appl. Amount: 15 GAL/AC Mix Size: 1.5 L (total for 3 plots; minimum=0.5866 L)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Amt Product to Measure	Diluent	Rep		
								1	2	3
1	PRE REVITON	2.83	SC	0.0	oz/a		-	101	208	306
2	PRE REVITON	2.83	SC	1.0	oz/a	0.7812 mL/mx	1499.2 mL	102	203	312
3	PRE REVITON	2.83	SC	2.0	oz/a	1.562 mL/mx	1498.4 mL	103	207	302
4	31 DAP REVITON	2.83	SC	0.0	oz/a		-	104	201	303
5	31 DAP REVITON	2.83	SC	1.0	oz/a	0.7812 mL/mx	1499.2 mL	105	211	309
6	31 DAP REVITON	2.83	SC	2.0	oz/a	1.562 mL/mx	1498.4 mL	106	204	308
7	57 DAP REVITON	2.83	SC	0.0	oz/a		-	107	205	310
8	57 DAP REVITON	2.83	SC	1.0	oz/a	0.7812 mL/mx	1499.2 mL	108	202	305
9	57 DAP REVITON	2.83	SC	2.0	oz/a	1.562 mL/mx	1498.4 mL	109	206	311
10	92 DAP REVITON	2.83	SC	0.0	oz/a		-	110	209	307
11	92 DAP REVITON	2.83	SC	1.0	oz/a	0.7812 mL/mx	1499.2 mL	111	212	304
12	92 DAP REVITON	2.83	SC	2.0	oz/a	1.562 mL/mx	1498.4 mL	112	210	301

Sort Order: Replicate 1

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Trial Comments

MAINTAINED WEED-FREE

PROWL H20 @ 32 OZ/A + STRONGARM @ 0.45 OZ/A - PRE (APRIL 26)
ULTRA BLAZER @ 24 OZ/A + DUAL MAGNUM @ 16 OZ/A - MAY 18
SELECT MAX @ 16 OZ/A + NIS (TASER 90) @ 0.25% V/V - MAY 22
SELECT MAX @ 16 OZ/A + DUAL MAGNUM @ 16 OZ/A - JUNE 28

USED INDUCE @ 0.25% V/V WITH ALL POST TREATMENTS

DIGGING DATE: 09/14/23 (143 DAYS)
HARVEST DATE: 09/21/23
HARVEST MOISTURE: 16.7%
YIELDS ADJUSTED TO 10%.
2% YIELD DEDUCTION FOR FM

SUMMARY:

- 1) PRE APPLICATIONS OF REVITON HAD NO EFFECT ON PEANUT DENSITY/STAND AND CAUSED MINIMAL VISIBLE INJURY SYMPTOMS.
- 2) POST APPLICATIONS OF REVITON CAUSED SIGNIFICANT PEANUT STUNTING AND LEAF NECROSIS (I.E.BURN).
- 3) PRE APPLICATIONS OF REVITON HAD NO EFFECT ON PEANUT YIELD.
- 4) WHEN APPLIED 31 DAP, REVITON @ 1 OZ/A HAD NO EFFECT ON YIELD. HOWEVER, 2 OZ/A CAUSED A 15% YIELD REDUCTON.
- 5) WHEN APPLIED 57 OR 92 DAP, BOTH RATES OF REVITON CAUSED A ~52% YIELD REDUCTION.

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GENERAL TRIAL INFORMATION

Study Director: SCOTT AKIN **Title:** _____
Affiliation: _____
Postal Code: _____

Investigator: Eric P. Prostko **Title:** _____
Affiliation: _____
Postal Code: _____

TRIAL LOCATION

City: _____ **Trial Status:** E
State/Prov.: _____ **Trial Reliability:** _____
Postal Code: _____ **Initiation Date:** _____
Country: _____ **Planned Completion Date:** _____
E-Longitude of LL Corner °: _____ **N-Latitude of LL Corner °:** _____
Altitude of LL Corner: _____ **Unit:** _____ **Angle y-axis to North °:** _____
Directions: _____

COOPERATOR/LANDOWNER

Cooperator: _____ **Country:** _____
Org: _____ **Phone No:** _____
Address 1: _____ **Fax No:** _____
Address 2: _____
City: _____
State/Prov: _____
Postal Code: _____

Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N
Guidelines: _____ **Guideline Description:** _____

Objective: _____

Conclusions: _____

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.			

Crop 1: ARAHY PEANUT **Variety:** GA-06G
Planting Date: Apr-25-23 **Planting Method:** MONOSEM TWIN ROW
Rate: 4 SEED/FT **Depth:** 2 IN **Perennial Age:** _____
Row Spacing: _____ **Spacing Within Row:** _____ **Seed Bed:** _____
Soil Temperature: _____ **Soil Moisture:** DRY **Emergence Date:** _____

SITE AND DESIGN

Plot Width, Unit: 6 FT **Plot Length, Unit:** 25 FT **Reps:** 3
Site Type: _____
Tillage Type: CONVENTIONAL **Study Design:** FACTOR

Trial Initiation Comments:

No.	Previous Crops	Previous Pesticides	Year
1.	SORGHUM		2022

MAINTENANCE

Field Prep./Maintenance: 36"-9" TWIN ROWS
THIMET INFR @ 7 LBS/A
1 TON/A LIME PREPLANT
300 LBS/A 5-15-30 PREPLANT
RANCONA VPD SEED TREATMENT
1500 LBS/A GYPSUM - JUNE 5

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

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SOIL DESCRIPTION

% Sand: 94 % OM: 0.8 Texture: SAND
% Silt: 4 pH: 6.0 Soil Name: TIFTON
% Clay: 2 CEC: 2.8 Fert. Level: GOOD

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Apr-26-23		0.5	IN	SPRINKLER - LATERAL MOVE		
2.	Apr-27-23		1.0	IN	RAINFALL		
3.	Apr-29-23		0.65	IN	RAINFALL		
4.	May-11-23		0.5	IN	SPRINKLER - LATERAL MOVE		
5.	May-12-23		2.5	IN	RAINFALL		
6.	May-20-23		0.1	IN	RAINFALL		
7.	May-22-23		0.75	IN	RAINFALL		
8.	May-23-23		0.3	IN	RAINFALL		
9.	May-30-23		0.5	IN	SPRINKLER - LATERAL MOVE		
10.	Jun-7-23		0.5	IN	SPRINKLER - LATERAL MOVE		
11.	Jun-7-23		0.45	IN	RAINFALL		
12.	Jun-12-23		0.65	IN	RAINFALL		
13.	Jun-13-23		0.60	IN	RAINFALL		
14.	Jun-14-23		2.0	IN	RAINFALL		

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

APPLICATION DESCRIPTION

	A	B	C	D
Application Date:	Apr-26-23	May-25-23	Jun-20-23	Jul-25-23
Time of Day:	7:15 AM	7:30 AM	10:32 AM	6:45 AM
Application Method:	BROADCAST	BROADCAST	BROADCAST	BROADCAST
Application Timing:	PRE	31 DAP	57 DAP	92 DAP
Applic. Placement:	SOIL	FOLIAGE	FOLIAGE	FOLIAGE
Air Temp., Unit:	63 F	59 F	78 F	72 F
% Relative Humidity:	90	84	85	97
Wind Velocity, Unit:	3 MPH	1 MPH	2 MPH	0 MPH
Dew Presence (Y/N):		Y	Y	Y
Water Hardness:	--	--	--	--
Soil Temp., Unit:	68 F	66 F	82 F	78 F
Soil Moisture:	DRY	OPTIMUM	WET	OPTIMUM
% Cloud Cover:	100	0	40	5

CROP STAGE AT EACH APPLICATION

	A	B	C	D
Crop 1 Code, Stage:	ARAHY,	ARAHY,	ARAHY,	ARAHY,
Stage Scale:		V6	R2-R3	R6
Height, Unit:		4, IN	7, IN	16, IN

WEED STAGE AT EACH APPLICATION

	A	B	C	D
Weed 1 Code, Stage:				
Stage Scale:				
Density, Unit:				

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APPLICATION EQUIPMENT				
	A	B	C	D
Appl. Equipment:	BACKPACK	SAME	SAME	SAME
Operating Pressure:	36			
Nozzle Type:	AIXR			
Nozzle Size:	11002			
Nozzle Spacing, Unit:	20 IN			
Nozzles/Row:				
Band Width, Unit:				
Boom Length, Unit:				
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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Crop Code Part Rated Rating Data Type Rating Unit Rating Date	Arahy Stand #/5ft May-10-23	Arahy Stunting % May-10-23	Arahy Necrosis % May-10-23	Arahy Stunting % Jun-1-23	Arahy Necrosis % Jun-1-23	Arahy Stunting % Jun-26-23	Arahy Necrosis % Jun-26-23	Arahy Stunting % Jul-25-23	Arahy Stunting % Aug-4-23	Arahy Necrosis % Aug-4-23	ARAHY DIRTY, - YIELD LBS/PLOT Sep-21-23
Trt Treatment Form Form Rate No. Name Conc Type Rate Unit	1	2	3	4	5	6	7	8	9	10	11
TABLE OF R MEANS											
Replicate 1		1.3	0.4	4.2	6.3	13.8	7.9	9.2	9.6	9.6	15.1
Replicate 2		1.3	1.3	4.2	5.8	13.8	7.9	6.7	6.7	9.6	15.3
Replicate 3		0.4	0.4	3.8	5.0	13.8	7.9	7.9	6.3	8.3	15.8
TABLE OF A (TIMING) MEANS											
1 PRE		3.9 a	2.8 a	0.6 b	0.0 b	0.0 c	0.0 b	0.6 c	0.0 c	0.0 b	18.0 a
2 31 DAP		0.0 b	0.0 b	15.6 a	22.8 a	21.7 b	0.0 b	3.9 b	1.7 c	0.0 b	17.4 a
3 57 DAP		0.0 b	0.0 b	0.0 b	0.0 b	33.3 a	31.7 a	27.2 a	21.7 a	0.0 b	13.8 b
4 92 DAP		0.0 b	0.0 b	0.0 b	0.0 b	0.0 c	0.0 b	0.0 c	6.7 b	36.7 a	12.4 c
LSD P=.10		1.53	1.53	1.17	2.02	.	.	3.33	3.50	2.29	0.78
Standard Deviation		1.67	1.67	1.27	2.20	0.00	0.00	3.63	3.82	2.50	0.86
CV		171.43	240.00	31.60	38.72	0.00	0.00	45.88	50.92	27.27	5.55
TABLE OF B (RATE) MEANS											
1 REVITON 2.83 SC 0.0 oz/a		0.0 -	0.0 -	0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	0.4 b	0.0 c	19.2 a
2 REVITON 2.83 SC 1.0 oz/a		1.7 -	1.3 -	5.0 b	7.5 b	20.0 b	11.3 b	10.4 b	10.8 a	11.7 b	13.8 b
3 REVITON 2.83 SC 2.0 oz/a		1.3 -	0.8 -	7.1 a	9.6 a	21.3 a	12.5 a	13.3 a	11.3 a	15.8 a	13.2 b
LSD P=.10		1.45	1.45	0.73	1.15	.	.	1.99	1.78	1.26	1.09
Standard Deviation		1.67	1.67	0.83	1.32	0.00	0.00	2.28	2.04	1.44	1.26
CV		171.43	240.00	20.69	23.14	0.00	0.00	28.83	27.22	15.75	8.15
TABLE OF A (TIMING) B (RATE) MEANS											
1 PRE	23.0 -	0.0 b	0.0 -	0.0 c	0.0 c	0.0 d	0.0 c	0.0 d	0.0 c	0.0 c	18.3 bc
1 REVITON 2.83 SC 0.0 oz/a	.	0.0 b	0.0 -	0.0 c	0.0 c	0.0 d	0.0 c	0.0 d	1.7 c	0.0 c	18.5 bc
2 31 DAP	.	0.0 b	0.0 -	0.0 c	0.0 c	0.0 d	0.0 c	0.0 d	0.0 c	0.0 c	21.0 a
1 REVITON 2.83 SC 0.0 oz/a	.	0.0 b	0.0 -	0.0 c	0.0 c	0.0 d	0.0 c	0.0 d	0.0 c	0.0 c	19.1 b
4 92 DAP	.	0.0 b	0.0 -	0.0 c	0.0 c	0.0 d	0.0 c	0.0 d	0.0 c	0.0 c	19.1 b
1 REVITON 2.83 SC 0.0 oz/a	.	0.0 b	0.0 -	0.0 c	0.0 c	0.0 d	0.0 c	0.0 d	0.0 c	0.0 c	19.1 b
1 PRE	23.7 -	6.7 a	5.0 -	0.0 c	0.0 c	0.0 d	0.0 c	0.0 d	0.0 c	0.0 c	17.8 c
2 REVITON 2.83 SC 1.0 oz/a	.	0.0 b	0.0 -	20.0 b	30.0 b	30.0 c	0.0 c	5.0 c	1.7 c	0.0 c	18.1 bc
2 31 DAP	.	0.0 b	0.0 -	0.0 c	0.0 c	50.0 a	45.0 b	36.7 b	31.7 a	0.0 c	10.1 e
2 REVITON 2.83 SC 1.0 oz/a	.	0.0 b	0.0 -	0.0 c	0.0 c	0.0 d	0.0 c	0.0 d	10.0 b	46.7 b	9.1 e
4 92 DAP	.	0.0 b	0.0 -	0.0 c	0.0 c	0.0 d	0.0 c	0.0 d	10.0 b	46.7 b	9.1 e
2 REVITON 2.83 SC 1.0 oz/a	.	0.0 b	0.0 -	0.0 c	0.0 c	0.0 d	0.0 c	0.0 d	10.0 b	46.7 b	9.1 e
1 PRE	23.3 -	5.0 a	3.3 -	1.7 c	0.0 c	0.0 d	0.0 c	1.7 d	0.0 c	0.0 c	17.8 c
3 REVITON 2.83 SC 2.0 oz/a	.	0.0 b	0.0 -	26.7 a	38.3 a	35.0 b	0.0 c	6.7 c	1.7 c	0.0 c	15.8 d
2 31 DAP	.	0.0 b	0.0 -	0.0 c	0.0 c	50.0 a	50.0 a	45.0 a	33.3 a	0.0 c	10.2 e
3 57 DAP	.	0.0 b	0.0 -	0.0 c	0.0 c	50.0 a	50.0 a	45.0 a	33.3 a	0.0 c	10.2 e
3 REVITON 2.83 SC 2.0 oz/a	.	0.0 b	0.0 -	0.0 c	0.0 c	0.0 d	0.0 c	0.0 d	10.0 b	63.3 a	9.2 e
4 92 DAP	.	0.0 b	0.0 -	0.0 c	0.0 c	0.0 d	0.0 c	0.0 d	10.0 b	63.3 a	9.2 e
3 REVITON 2.83 SC 2.0 oz/a	.	0.0 b	0.0 -	0.0 c	0.0 c	0.0 d	0.0 c	0.0 d	10.0 b	63.3 a	9.2 e
LSD P=.10	4.97	2.43	2.43	1.85	1.92	.	.	3.32	2.97	2.10	1.23
Standard Deviation	2.86	1.67	1.67	1.27	1.32	0.00	0.00	2.28	2.04	1.44	0.85
CV	12.25	171.43	240.00	31.60	23.14	0.00	0.00	28.83	27.22	15.75	5.48

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
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Crop Code	ARAHY	ARAHY	
Part Rated	CLEAN, -	CLEAN, -	
Rating Data Type	YIELD	YIELD	
Rating Unit	LBS/PLOT	LBS/A	
Rating Date	Sep-21-23	Sep-21-23	
Trt Treatment Form Form Rate			
No. Name Conc Type Rate Unit	12	13	
TABLE OF R MEANS			
Replicate 1	14.8	3966	
Replicate 2	15.0	4037	
Replicate 3	15.5	4173	
TABLE OF A (TIMING) MEANS			
1 PRE	17.6 a	4733 a	
2 31 DAP	17.1 a	4595 a	
3 57 DAP	13.5 b	3629 b	
4 92 DAP	12.2 c	3278 c	
LSD P=.10	0.77	206.5	
Standard Deviation	0.84	225.4	
CV	5.55	5.6	
TABLE OF B (RATE) MEANS			
1 REVITON 2.83 SC 0.0 oz/a	18.8 a	5060 a	
2 REVITON 2.83 SC 1.0 oz/a	13.5 b	3628 b	
3 REVITON 2.83 SC 2.0 oz/a	13.0 b	3488 b	
LSD P=.10	1.07	288.0	
Standard Deviation	1.23	330.9	
CV	8.15	8.2	
TABLE OF A (TIMING) B (RATE) MEANS			
1 PRE	17.9 bc	4812 bc	
1 REVITON 2.83 SC 0.0 oz/a	18.1 bc	4864 bc	
2 31 DAP	18.1 bc	4864 bc	
1 REVITON 2.83 SC 0.0 oz/a	20.6 a	5540 a	
3 57 DAP	20.6 a	5540 a	
1 REVITON 2.83 SC 0.0 oz/a	18.7 b	5022 b	
4 92 DAP	18.7 b	5022 b	
1 REVITON 2.83 SC 0.0 oz/a	17.4 c	4689 c	
1 PRE	17.4 c	4689 c	
2 REVITON 2.83 SC 1.0 oz/a	17.7 bc	4768 bc	
2 31 DAP	17.7 bc	4768 bc	
2 REVITON 2.83 SC 1.0 oz/a	9.9 e	2669 e	
3 57 DAP	9.9 e	2669 e	
2 REVITON 2.83 SC 1.0 oz/a	8.9 e	2388 e	
4 92 DAP	8.9 e	2388 e	
2 REVITON 2.83 SC 1.0 oz/a	17.5 c	4697 c	
1 PRE	17.5 c	4697 c	
3 REVITON 2.83 SC 2.0 oz/a	15.5 d	4153 d	
2 31 DAP	15.5 d	4153 d	
3 REVITON 2.83 SC 2.0 oz/a	10.0 e	2678 e	
3 57 DAP	10.0 e	2678 e	
3 REVITON 2.83 SC 2.0 oz/a	9.0 e	2423 e	
4 92 DAP	9.0 e	2423 e	
3 REVITON 2.83 SC 2.0 oz/a	1.21	323.9	
LSD P=.10	1.21	323.9	
Standard Deviation	0.83	222.6	
CV	5.48	5.5	

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Randomized Complete Block (RCB) AOV For Arazy Stand #/5ft May-10-23 (Data Column 1) Missing factor A levels prevents analyzing column 1 as Factorial (RCB) design

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	8	36.000000			
Replicate	2	2.666667	1.333333	0.163	0.8548
Treatment	2	0.666667	0.333333	0.041	0.9604
ERROR	4	32.666667	8.166667		

COMPLETE FACTORIAL AOV For Arazy Stunting % May-10-23 (Data Column 2)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	240.972222				
R	2	5.555556	2.777778	1.000	0.3966	
A	3	102.083333	34.027778	12.250	0.0057	1.5
RA	6	16.666667	2.777778			
B	2	18.055556	9.027778	3.250	0.1451	1.5
RB	4	11.111111	2.777778			
AB	6	54.166667	9.027778	3.250	0.0390	2.4
RAB	12	33.333333	2.777778			

COMPLETE FACTORIAL AOV For Arazy Necrosis % May-10-23 (Data Column 3)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	157.638889				
R	2	5.555556	2.777778	1.000	0.3966	
A	3	52.083333	17.361111	6.250	0.0282	1.5
RA	6	16.666667	2.777778			
B	2	9.722222	4.861111	1.750	0.2844	1.5
RB	4	11.111111	2.777778			
AB	6	29.166667	4.861111	1.750	0.1927	2.4
RAB	12	33.333333	2.777778			

COMPLETE FACTORIAL AOV For Arazy Stunting % Jun-1-23 (Data Column 4)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	2790.972222				
R	2	1.388889	0.694444	0.429	0.6610	
A	3	1596.527778	532.175926	328.429	0.0001	1.2
RA	6	9.722222	1.620370			
B	2	318.055556	159.027778	229.000	0.0001	0.7
RB	4	2.777778	0.694444			
AB	6	843.055556	140.509259	86.714	0.0001	1.9
RAB	12	19.444444	1.620370			

COMPLETE FACTORIAL AOV For Arazy Necrosis % Jun-1-23 (Data Column 5)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	6007.638889				
R	2	9.722222	4.861111	2.800	0.1005	
A	3	3502.083333	1167.361111	240.143	0.0001	2.0
RA	6	29.166667	4.861111			
B	2	609.722222	304.861111	175.600	0.0001	1.1
RB	4	6.944444	1.736111			
AB	6	1829.166667	304.861111	175.600	0.0001	1.9
RAB	12	20.833333	1.736111			

COMPLETE FACTORIAL AOV For Arazy Stunting % Jun-26-23 (Data Column 6)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	14568.750000				
R	2	0.000000	0.000000	0.000	1.0000	
A	3	7418.750000	2472.916667	0.000	1.0000	.
RA	6	0.000000	0.000000			
B	2	3412.500000	1706.250000	0.000	1.0000	.
RB	4	0.000000	0.000000			
AB	6	3737.500000	622.916667	0.000	1.0000	.
RAB	12	0.000000	0.000000			

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COMPLETE FACTORIAL AOV For Arahya Necrosis % Jun-26-23 (Data Column 7)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	11318.750000				
R	2	0.000000	0.000000	0.000	1.0000	
A	3	6768.750000	2256.250000	0.000	1.0000	.
RA	6	0.000000	0.000000			
B	2	1137.500000	568.750000	0.000	1.0000	.
RB	4	0.000000	0.000000			
AB	6	3412.500000	568.750000	0.000	1.0000	.
RAB	12	0.000000	0.000000			

COMPLETE FACTORIAL AOV For Arahya Stunting % Jul-25-23 (Data Column 8)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	8268.750000				
R	2	37.500000	18.750000	3.600	0.0596	
A	3	4552.083333	1517.361111	115.000	0.0001	3.3
RA	6	79.166667	13.194444			
B	2	1179.166667	589.583333	113.200	0.0003	2.0
RB	4	20.833333	5.208333			
AB	6	2337.500000	389.583333	74.800	0.0001	3.3
RAB	12	62.500000	5.208333			

COMPLETE FACTORIAL AOV For Arahya Stunting % Aug-4-23 (Data Column 9)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	5175.000000				
R	2	79.166667	39.583333	9.500	0.0034	
A	3	2625.000000	875.000000	60.000	0.0001	3.5
RA	6	87.500000	14.583333			
B	2	904.166667	452.083333	108.500	0.0003	1.8
RB	4	16.666667	4.166667			
AB	6	1412.500000	235.416667	56.500	0.0001	3.0
RAB	12	50.000000	4.166667			

COMPLETE FACTORIAL AOV For Arahya Necrosis % Aug-4-23 (Data Column 10)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	15625.000000				
R	2	12.500000	6.250000	3.000	0.0878	
A	3	9075.000000	3025.000000	484.000	0.0001	2.3
RA	6	37.500000	6.250000			
B	2	1616.666667	808.333333	388.000	0.0001	1.3
RB	4	8.333333	2.083333			
AB	6	4850.000000	808.333333	388.000	0.0001	2.1
RAB	12	25.000000	2.083333			

COMPLETE FACTORIAL AOV For ARAHY DIRTY YIELD LBS/PLOT Sep-21-23 (Data Column 11)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	669.827500				
R	2	3.806667	1.903333	2.666	0.1102	
A	3	199.207500	66.402500	90.686	0.0001	0.8
RA	6	4.393333	0.732222			
B	2	261.626667	130.813333	82.903	0.0006	1.1
RB	4	6.311667	1.577917			
AB	6	185.913333	30.985556	43.395	0.0001	1.2
RAB	12	8.568333	0.714028			

COMPLETE FACTORIAL AOV For ARAHY CLEAN YIELD LBS/PLOT Sep-21-23 (Data Column 12)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	643.302331				
R	2	3.655923	1.827961	2.666	0.1102	
A	3	191.318883	63.772961	90.686	0.0001	0.8
RA	6	4.219357	0.703226			
B	2	251.266251	125.633125	82.903	0.0006	1.1
RB	4	6.061725	1.515431			
AB	6	178.551165	29.758528	43.395	0.0001	1.2
RAB	12	8.229027	0.685752			

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 RESPONSE TO REVITON
YEAR 3

Trial ID: PE-05-23 Study Dir.: SCOTT AKIN
Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For ARAHY CLEAN YIELD LBS/A Sep-21-23 (Data Column 13)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	46474350.930219				
R	2	264116.302393	132058.151196	2.666	0.1102	
A	3	13821527.576774	4607175.858925	90.686	0.0001	206
RA	6	304820.741290	50803.456882			
B	2	18152329.546592	9076164.773296	82.903	0.0006	288
RB	4	437919.630981	109479.907745			
AB	6	12899144.176583	2149857.362764	43.395	0.0001	324
RAB	12	594492.955605	49541.079634			

Rating Unit
% = PERCENT
ARM Action Codes
T1 = [11]*0.98
TY2 = 268.78133333*[12]

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 RESPONSE TO REVITON YEAR 3 Trial ID: PE-05-23 Study Dir.: SCOTT AKIN Location: PONDER FARM Investigator: Eric P. Prostko																	
Crop Code			Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	ARAHY				
Part Rated			Stand	Stunting	Necrosis	Stunting	Necrosis	Stunting	Necrosis	Stunting	Stunting	Necrosis	DIRTY, -				
Rating Data Type			#/5ft	%	%	%	%	%	0, -	%	%	%	YIELD				
Rating Unit			May-10-23	May-10-23	May-10-23	Jun-1-23	Jun-1-23	Jun-26-23	Jun-26-23	Jul-25-23	Aug-4-23	Aug-4-23	LBS/PLOT				
Rating Date			May-10-23	May-10-23	May-10-23	Jun-1-23	Jun-1-23	Jun-26-23	Jun-26-23	Jul-25-23	Aug-4-23	Aug-4-23	Sep-21-23				
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Plot	1	2	3	4	5	6	7	8	9	10	11
1	PRE					101	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0
	REVITON	2.83	SC	0.0	oz/a	208	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6
						306	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.2
						Mean =	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.3
2	PRE					102	23.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4
	REVITON	2.83	SC	1.0	oz/a	203	26.0	5.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
						312	22.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.1
						Mean =	23.7	6.7	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8
3	PRE					103	23.0	5.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6
	REVITON	2.83	SC	2.0	oz/a	207	20.0	10.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.4
						302	27.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	17.5
						Mean =	23.3	5.0	3.3	1.7	0.0	0.0	0.0	1.7	0.0	0.0	17.8
4	31 DAP					104	.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	18.3
	REVITON	2.83	SC	0.0	oz/a	201	.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.4
						303	.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7
						Mean =	.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	18.5
5	31 DAP					105	.	0.0	0.0	20.0	35.0	30.0	0.0	5.0	5.0	0.0	16.9
	REVITON	2.83	SC	1.0	oz/a	211	.	0.0	0.0	20.0	30.0	30.0	0.0	5.0	0.0	0.0	18.8
						309	.	0.0	0.0	20.0	25.0	30.0	0.0	5.0	0.0	0.0	18.6
						Mean =	.	0.0	0.0	20.0	30.0	30.0	0.0	5.0	1.7	0.0	18.1
6	31 DAP					106	.	0.0	0.0	25.0	40.0	35.0	0.0	10.0	5.0	0.0	16.6
	REVITON	2.83	SC	2.0	oz/a	204	.	0.0	0.0	30.0	40.0	35.0	0.0	5.0	0.0	0.0	15.2
						308	.	0.0	0.0	25.0	35.0	35.0	0.0	5.0	0.0	0.0	15.5
						Mean =	.	0.0	0.0	26.7	38.3	35.0	0.0	6.7	1.7	0.0	15.8
7	57 DAP					107	.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.1
	REVITON	2.83	SC	0.0	oz/a	205	.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.3
						310	.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7
						Mean =	.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0
8	57 DAP					108	.	0.0	0.0	0.0	0.0	50.0	45.0	45.0	40.0	0.0	9.3
	REVITON	2.83	SC	1.0	oz/a	202	.	0.0	0.0	0.0	0.0	50.0	45.0	30.0	30.0	0.0	9.9
						305	.	0.0	0.0	0.0	0.0	50.0	45.0	35.0	25.0	0.0	11.2
						Mean =	.	0.0	0.0	0.0	0.0	50.0	45.0	36.7	31.7	0.0	10.1
9	57 DAP					109	.	0.0	0.0	0.0	0.0	50.0	50.0	50.0	40.0	0.0	9.6
	REVITON	2.83	SC	2.0	oz/a	206	.	0.0	0.0	0.0	0.0	50.0	50.0	40.0	30.0	0.0	9.0
						311	.	0.0	0.0	0.0	0.0	50.0	50.0	45.0	30.0	0.0	11.9
						Mean =	.	0.0	0.0	0.0	0.0	50.0	50.0	45.0	33.3	0.0	10.2
10	92 DAP					110	.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.4
	REVITON	2.83	SC	0.0	oz/a	209	.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.5
						307	.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.3
						Mean =	.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.1
11	92 DAP					111	.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	50.0	8.8
	REVITON	2.83	SC	1.0	oz/a	212	.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	50.0	8.3
						304	.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	40.0	10.1
						Mean =	.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	46.7	9.1
12	92 DAP					112	.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	65.0	9.7
	REVITON	2.83	SC	2.0	oz/a	210	.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	65.0	8.6
						301	.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	60.0	9.3
						Mean =	.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	63.3	9.2

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PEANUT RESPONSE TO REVITON
YEAR 3

Trial ID: PE-05-23 Study Dir.: SCOTT AKIN
Location: PONDER FARM Investigator: Eric P. Prostko

Crop Code				ARAHY	ARAHY		
Part Rated				CLEAN, -	CLEAN, -		
Rating Data Type				YIELD	YIELD		
Rating Unit				LBS/PLOT	LBS/A		
Rating Date				Sep-21-23	Sep-21-23		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Plot	12	13
1	PRE				101	16.7	4478
	REVITON	2.83	SC	0.0 oz/a	208	18.2	4899
					306	18.8	5057
					Mean =	17.9	4812
2	PRE				102	16.1	4320
	REVITON	2.83	SC	1.0 oz/a	203	18.5	4978
					312	17.7	4768
					Mean =	17.4	4689
3	PRE				103	18.2	4899
	REVITON	2.83	SC	2.0 oz/a	207	17.1	4583
					302	17.2	4610
					Mean =	17.5	4697
4	31 DAP				104	17.9	4820
	REVITON	2.83	SC	0.0 oz/a	201	18.0	4847
					303	18.3	4926
					Mean =	18.1	4864
5	31 DAP				105	16.6	4452
	REVITON	2.83	SC	1.0 oz/a	211	18.4	4952
					309	18.2	4899
					Mean =	17.7	4768
6	31 DAP				106	16.3	4373
	REVITON	2.83	SC	2.0 oz/a	204	14.9	4004
					308	15.2	4083
					Mean =	15.5	4153
7	57 DAP				107	20.7	5558
	REVITON	2.83	SC	0.0 oz/a	205	19.9	5347
					310	21.3	5716
					Mean =	20.6	5540
8	57 DAP				108	9.1	2450
	REVITON	2.83	SC	1.0 oz/a	202	9.7	2608
					305	11.0	2950
					Mean =	9.9	2669
9	57 DAP				109	9.4	2529
	REVITON	2.83	SC	2.0 oz/a	206	8.8	2371
					311	11.7	3135
					Mean =	10.0	2678
10	92 DAP				110	18.0	4847
	REVITON	2.83	SC	0.0 oz/a	209	20.1	5400
					307	17.9	4820
					Mean =	18.7	5022
11	92 DAP				111	8.6	2318
	REVITON	2.83	SC	1.0 oz/a	212	8.1	2186
					304	9.9	2660
					Mean =	8.9	2388
12	92 DAP				112	9.5	2555
	REVITON	2.83	SC	2.0 oz/a	210	8.4	2265
					301	9.1	2450
					Mean =	9.0	2423

University of Georgia

PEANUT RESPONSE TO REVITON
YEAR 3
Trial ID: PE-05-23 Study Dir.: SCOTT AKIN
Location: PONDER FARM Investigator: Eric P. Prostko

Rating Unit
% = PERCENT
ARM Action Codes
T1 = [11]*0.98
TY2 = 268.78133333*[12]