

University of Georgia

PEANUT REPONSE TO PPLNT/PRE APPLIED LIBERTY

Trial ID: PE-02-22 Study Dir.: A. FULMER/L. VINCENT
 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	Product Rate Unit	Product Rate Unit	Grow Stg	Amt Product to Measure	Diluent	Rep 1	2	3	4
1	7 DAY BEFORE PLANTING LIBERTY	2.34	SL	0.0 oz/a	0.0 oz/a		POST		-	101	203	306	407
2	7 DAY BEFORE PLANTING LIBERTY	2.34	SL	32.0 oz/a	32.0 oz/a		POST	25.0 mL/mx	1475 mL	102	205	302	403
3	7 DAY BEFORE PLANTING LIBERTY	2.34	SL	64.0 oz/a	64.0 oz/a		POST	50.0 mL/mx	1450 mL	103	208	304	401
4	7 DAY BEFORE PLANTING LIBERTY	2.34	SL	96.0 oz/a	96.0 oz/a		POST	75.0 mL/mx	1425 mL	104	201	303	408
5	PREEMERGENCE (1 DAP) LIBERTY	2.34	SL	0.0 oz/a	0.0 oz/a		POST		-	105	204	308	405
6	PREEMERGENCE (1 DAP) LIBERTY	2.34	SL	32.0 oz/a	32.0 oz/a		POST	25.0 mL/mx	1475 mL	106	207	305	404
7	PREEMERGENCE (1 DAP) LIBERTY	2.34	SL	64.0 oz/a	64.0 oz/a		POST	50.0 mL/mx	1450 mL	107	206	301	406
8	PREEMERGENCE (1 DAP) LIBERTY	2.34	SL	96.0 oz/a	96.0 oz/a		POST	75.0 mL/mx	1425 mL	108	202	307	402

Sort Order: Treatment

Trial Comments

MAINTAINED WEED-FREE

USED ROUNDUP PMAX3 @ 22 OZ/A + PROWL H20 @ 32 OZ/A + STRONGARM @ 0.45 OZ/A - PRE AT PLANTING

NO TILLAGE OCCURED AFTER 7 DBP TREATMENTS WERE APPLIED

ULTRA BLAZER @ 24 OZ/A + DUAL MAGUM @ 16 OZ/A - 05/18/22

SELECT MAX @ 16 OZ/A + DUAL MAGNUM @ 16 OZ/A - 06/02/22

DIGGING DATE: 09/16/22 (137 DAP)

HARVEST DATE: 09/20/22

HARVEST MOISTURE:15.6%

YIELDS ADJUSTED TO 10%

2% YIELD DEDUCTION FOR FM.

SUMMARY:

1) PRE-PLANT (7 DAYS) OR PREEMERGENCE (1 DAP) APPLICATIONS OF LIBERTY 2.34SL @ 32, 64, OR 96 OZ/A HAD NO EFFECT ON PEANUT DENSITY/STAND, HEIGHT, WIDTH, OR YIELD.

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Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: A. FULMER/L. VINCENT

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: May-3-22

Planting Method: SEEDED

Rate: 3.1 SEED/FT

Depth: 2 IN

Perennial Age: _____

Row Spacing: _____

Spacing Within Row: _____

Seed Bed: _____

Soil Temperature: _____

Soil Moisture: _____

Emergence Date: _____

SITE AND DESIGN

Plot Width, Unit: 6 FT

Plot Length, Unit: 25 FT Reps: 4

Site Type: _____

Tillage Type: CONVENTIONAL

Study Design: FACTOR

Trial Initiation Comments: _____

	Previous Crops	Previous Pesticides	Year
1.	GRAIN SORGHUM		2021

MAINTENANCE

Field Prep./Maintenance: 36"9" TWIN ROWS

THIMET INFR @ 5 LBS/A

300 LBS/A 5-15-30 PREPLANT

1.5 TONS/A LIME PREPLANT

RANCONA VPD SEED TREATMENT

GYPSUM @ 1 TON/A ON JUNE 6

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Trial ID: PE-02-22 Study Dir.: A. FULMER/L. VINCENT
Location: PONDER FARM Investigator: Eric P. Prostko

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

SOIL DESCRIPTION

% Sand: 94 % OM: 0.61 Texture: SAND
% Silt: 2 pH: 6.0 Soil Name: TIFTON
% Clay: 4 CEC: 2.2 Fert. Level: GOOD

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Apr-28-22		0.5	IN	SPRINKLER - LATERAL MOVE		
2.	May-4-22		0.3	IN	SPRINKLER - LATERAL MOVE		
3.	May-5-22		0.2	IN	SPRINKLER - LATERAL MOVE		
4.	May-6-22		0.45	IN	RAINFALL		
5.	May-10-22		0.38	IN	SPRINKLER - LATERAL MOVE		
6.	May-17-22		0.5	IN	SPRINKLER - LATERAL MOVE		
7.	May-24-22		0.5	IN	SPRINKLER - LATERAL MOVE		
8.	May-24-22		1.8	IN	RAINFALL		
9.	Jun-1-22		0.6	IN	SPRINKLER - LATERAL MOVE		
10.	Jun-7-22		0.5	IN	SPRINKLER - LATERAL MOVE		
11.							

Overall Moisture Conditions: _____

Closest Weather Station: _____ Distance: _____ Unit: _____

APPLICATION DESCRIPTION

	A	B
Application Date:	Apr-26-22	May-4-22
Time of Day:	7:30 AM	6:40 AM
Application Method:	BROADCAST	BROADCAST
Application Timing:	7 DBP	PRE
Applic. Placement:	SOIL	SOIL
Air Temp., Unit:	65 F	68 F
% Relative Humidity:	91	96
Wind Velocity, Unit:	1 MPH	1 MPH
Dew Presence (Y/N):	N	N
Water Hardness:	--	--
Soil Temp., Unit:	68 F	72 F
Soil Moisture:	DRY	DRY
% Cloud Cover:	40	100

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ARAHY,	ARAHY,
Stage Scale:		
Height, Unit:		

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PEANUT REPONSE TO PPLNT/PRE APPLIED LIBERTY

Trial ID: PE-02-22 Study Dir.: A. FULMER/L. VINCENT
Location: PONDER FARM Investigator: Eric P. Prostko

WEED STAGE AT EACH APPLICATION

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

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	BACKPACK	BACKPACK
Operating Pressure:	35	35
Nozzle Type:	AIXR	AIXR
Nozzle Size:	11002	11002
Nozzle Spacing, Unit:	20 IN	20 IN
Nozzles/Row:		
Band Width, Unit:		
Boom Length, Unit:		
Boom Height, Unit:	20 IN	20 IN
Ground Speed, Unit:	3.5 MPH	3.5 MPH
Incorporation Equip.:		
Hours to Incorp.:		
Incorp. Depth, Unit:		
Carrier:	WATER	WATER
Spray Volume, Unit:	15 GPA	15 GPA
Spray pH:		
Propellant:	CO2	CO2
Tank Mix (Y/N):		

Trt No	Treatment Application Comment

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Trial ID: PE-02-22		Study Dir.: A. FULMER/L. VINCENT							
Location: PONDER FARM		Investigator: Eric P. Prostko							
Weed Code									
Crop Code									
Part Rated									
Rating Data Type									
Rating Unit									
Rating Date									
Trt Treatment	Form	Form	Product	Product	Grow				
No. Name	Conc	Type	Rate	Rate	Unit	Stg			
TABLE OF R MEANS									
Replicate 1									
Replicate 2									
Replicate 3									
Replicate 4									
TABLE OF A (TIMING) MEANS									
1 7 DAY BEFORE PLANTING									
2 PREEMERGENCE (1 DAP)									
LSD P=.10									
Standard Deviation									
CV									
TABLE OF B (RATE) MEANS									
1 LIBERTY	2.34 SL		0.0 oz/a	POST					
2 LIBERTY	2.34 SL		32.0 oz/a	POST					
3 LIBERTY	2.34 SL		64.0 oz/a	POST					
4 LIBERTY	2.34 SL		96.0 oz/a	POST					
LSD P=.10									
Standard Deviation									
CV									
TABLE OF A (TIMING) B (RATE) MEANS									
1 7 DAY BEFORE PLANTING									
1 LIBERTY	2.34 SL		0.0 oz/a	POST					
2 PREEMERGENCE (1 DAP)									
1 LIBERTY	2.34 SL		0.0 oz/a	POST					
1 7 DAY BEFORE PLANTING									
2 LIBERTY	2.34 SL		32.0 oz/a	POST					
2 PREEMERGENCE (1 DAP)									
2 LIBERTY	2.34 SL		32.0 oz/a	POST					
1 7 DAY BEFORE PLANTING									
3 LIBERTY	2.34 SL		64.0 oz/a	POST					
2 PREEMERGENCE (1 DAP)									
3 LIBERTY	2.34 SL		64.0 oz/a	POST					
1 7 DAY BEFORE PLANTING									
4 LIBERTY	2.34 SL		96.0 oz/a	POST					
2 PREEMERGENCE (1 DAP)									
4 LIBERTY	2.34 SL		96.0 oz/a	POST					
LSD P=.10									
Standard Deviation									
CV									

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 REPONSE TO PPLNT/PRE APPLIED LIBERTY									
Trial ID: PE-02-22		Study Dir.: A. FULMER/L. VINCENT							
Location: PONDER FARM		Investigator: Eric P. Prostko							
Weed Code									
Crop Code									
Part Rated									
Rating Data Type									
Rating Unit									
Rating Date									
Trt Treatment No. Name	Form Conc	Form Type	Product Rate	Product Rate	Grow Unit	Stg			
							6	7	8
							9	10	11
TABLE OF R MEANS									
Replicate 1							5.25	5.31	5.19
Replicate 2							5.31	4.94	5.50
Replicate 3							5.38	5.69	5.56
Replicate 4							5.56	5.75	5.25
TABLE OF A (TIMING) MEANS									
1 7 DAY BEFORE PLANTING							5.25 a	5.28 a	5.34 a
2 PREEMERGENCE (1 DAP)							5.50 a	5.56 a	5.41 a
LSD P=.10							0.576	0.941	0.255
Standard Deviation							0.692	1.131	0.306
CV							12.878	20.856	5.696
TABLE OF B (RATE) MEANS									
1 LIBERTY							5.44 a	5.50 a	5.50 a
2 LIBERTY							5.38 a	5.44 a	5.19 a
3 LIBERTY							5.44 a	5.38 a	5.44 a
4 LIBERTY							5.25 a	5.38 a	5.38 a
LSD P=.10							0.621	0.644	0.529
Standard Deviation							0.677	0.703	0.577
CV							12.595	12.962	10.741
TABLE OF A (TIMING) B (RATE) MEANS									
1 7 DAY BEFORE PLANTING							5.63 a	5.25 a	5.50 a
1 LIBERTY							5.63 a	5.25 a	5.50 a
2 PREEMERGENCE (1 DAP)							5.25 a	5.75 a	5.50 a
1 LIBERTY							5.13 a	5.25 a	5.25 a
2 7 DAY BEFORE PLANTING							5.13 a	5.25 a	5.25 a
2 PREEMERGENCE (1 DAP)							5.63 a	5.63 a	5.13 a
2 LIBERTY							5.63 a	5.63 a	5.13 a
1 7 DAY BEFORE PLANTING							5.38 a	5.38 a	5.38 a
3 LIBERTY							5.50 a	5.38 a	5.50 a
2 PREEMERGENCE (1 DAP)							5.50 a	5.38 a	5.50 a
3 LIBERTY							4.88 a	5.25 a	5.25 a
1 7 DAY BEFORE PLANTING							4.88 a	5.25 a	5.25 a
4 LIBERTY							5.63 a	5.50 a	5.50 a
2 PREEMERGENCE (1 DAP)							5.63 a	5.50 a	5.50 a
4 LIBERTY							0.666	0.905	1.039
LSD P=.10							0.514	0.698	0.801
Standard Deviation							9.557	12.871	14.911
CV									

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

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Trial ID: PE-02-22		Study Dir.: A. FULMER/L. VINCENT							
Location: PONDER FARM		Investigator: Eric P. Prostko							
Weed Code									
Crop Code									
Part Rated									
Rating Data Type									
Rating Unit									
Rating Date									
Trt Treatment	Form	Form	Product	Product	Grow				
No. Name	Conc	Type	Rate	Rate	Unit Stg				
						12	13	14	15
TABLE OF R MEANS									
Replicate 1						9.00	9.00	9.69	9.0
Replicate 2						9.56	9.63	9.25	9.5
Replicate 3						9.44	9.75	9.31	9.1
Replicate 4						9.75	9.00	8.63	9.1
TABLE OF A (TIMING) MEANS									
1 7 DAY BEFORE PLANTING						9.50 a	9.22 a	9.13 a	9.0 a
2 PREEMERGENCE (1 DAP)						9.38 a	9.47 a	9.31 a	9.4 a
LSD P=.10						0.983	1.152	0.801	0.54
Standard Deviation						1.181	1.384	0.963	0.65
CV						12.519	14.817	10.444	7.08
TABLE OF B (RATE) MEANS									
1 LIBERTY	2.34 SL		0.0 oz/a	POST		9.25 a	9.19 a	10.00 a	9.2 a
2 LIBERTY	2.34 SL		32.0 oz/a	POST		9.69 a	10.63 a	8.88 a	9.6 a
3 LIBERTY	2.34 SL		64.0 oz/a	POST		9.56 a	8.50 a	9.06 a	9.0 a
4 LIBERTY	2.34 SL		96.0 oz/a	POST		9.25 a	9.06 a	8.94 a	8.9 a
LSD P=.10						1.666	1.938	1.389	1.39
Standard Deviation						1.818	2.114	1.515	1.51
CV						19.265	22.624	16.434	16.44
TABLE OF A (TIMING) B (RATE) MEANS									
1 7 DAY BEFORE PLANTING						9.38 a	9.00 a	9.75 a	9.0 a
1 LIBERTY	2.34 SL		0.0 oz/a	POST		9.13 a	9.38 a	10.25 a	9.5 a
2 PREEMERGENCE (1 DAP)						10.13 a	10.63 a	8.63 a	9.5 a
1 LIBERTY	2.34 SL		0.0 oz/a	POST		9.25 a	10.63 a	9.13 a	9.8 a
1 7 DAY BEFORE PLANTING						9.75 a	8.38 a	9.13 a	8.9 a
2 PREEMERGENCE (1 DAP)						9.38 a	8.63 a	9.00 a	9.1 a
1 LIBERTY	2.34 SL		64.0 oz/a	POST		8.75 a	8.88 a	9.00 a	8.7 a
2 PREEMERGENCE (1 DAP)						9.75 a	9.25 a	8.88 a	9.2 a
1 LIBERTY	2.34 SL		96.0 oz/a	POST		1.425	1.649	1.916	1.19
LSD P=.10						1.099	1.272	1.478	0.92
Standard Deviation						11.648	13.614	16.031	9.99
CV									

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

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PEANUT REPONSE TO PPLNT/PRE APPLIED LIBERTY													
Trial ID: PE-02-22				Study Dir.: A. FULMER/L. VINCENT									
Location: PONDER FARM				Investigator: Eric P. Prostko									
Weed Code					Arahy Stunting %	Arahy Plant, - Stunting %	Arahy Plant, - HGT1 In	Arahy Plant, - HGT2 In	Arahy Plqnt, - HGT3 In	Arahy Plant, - HGT4 In			
Crop Code													
Part Rated													
Rating Data Type													
Rating Unit													
Rating Date					Jun-27-22	Jul-21-22	Jul-21-22	Jul-21-22	Jul-21-22	Jul-21-22			
Trt Treatment		Form Form		Product Product	Grow								
No.	Name	Conc	Type	Rate	Rate	Unit	Stg	17	18	19	20	21	22
TABLE OF R MEANS													
Replicate 1						0.0	0.0	14.31	13.38	14.19	14.63		
Replicate 2						0.0	0.0	14.06	14.63	14.94	15.13		
Replicate 3						0.0	0.0	15.44	16.06	16.25	15.94		
Replicate 4						0.0	0.0	15.50	15.50	16.19	15.69		
TABLE OF A (TIMING) MEANS													
1 7 DAY BEFORE PLANTING						0.0 a	0.0 a	14.28 a	14.41 a	15.31 a	15.38 a		
2 PREEMERGENCE (1 DAP)						0.0 a	0.0 a	15.38 a	15.38 a	15.47 a	15.31 a		
LSD P=.10						.	.	1.273	1.413	0.662	1.228		
Standard Deviation						0.00	0.00	1.530	1.698	0.795	1.475		
CV						0.00	0.00	10.319	11.402	5.169	9.616		
TABLE OF B (RATE) MEANS													
1 LIBERTY 2.34 SL 0.0 oz/a POST						0.0 a	0.0 a	15.00 a	15.13 a	15.25 a	15.50 a		
2 LIBERTY 2.34 SL 32.0 oz/a POST						0.0 a	0.0 a	14.19 a	14.94 a	15.19 a	14.81 a		
3 LIBERTY 2.34 SL 64.0 oz/a POST						0.0 a	0.0 a	14.88 a	14.44 a	15.88 a	15.25 a		
4 LIBERTY 2.34 SL 96.0 oz/a POST						0.0 a	0.0 a	15.25 a	15.06 a	15.25 a	15.81 a		
LSD P=.10						.	.	1.522	1.400	1.520	0.788		
Standard Deviation						0.00	0.00	1.661	1.528	1.659	0.860		
CV						0.00	0.00	11.199	10.260	10.777	5.605		
TABLE OF A (TIMING) B (RATE) MEANS													
1 7 DAY BEFORE PLANTING						0.0 a	0.0 a	14.38 a	14.88 a	14.88 a	15.75 a		
1 LIBERTY 2.34 SL 0.0 oz/a POST						0.0 a	0.0 a	15.63 a	15.38 a	15.63 a	15.25 a		
2 PREEMERGENCE (1 DAP)						0.0 a	0.0 a	15.63 a	15.38 a	15.63 a	15.25 a		
1 LIBERTY 2.34 SL 0.0 oz/a POST						0.0 a	0.0 a	13.25 a	14.13 a	14.63 a	14.38 a		
1 7 DAY BEFORE PLANTING						0.0 a	0.0 a	13.25 a	14.13 a	14.63 a	14.38 a		
2 LIBERTY 2.34 SL 32.0 oz/a POST						0.0 a	0.0 a	15.13 a	15.75 a	15.75 a	15.25 a		
2 PREEMERGENCE (1 DAP)						0.0 a	0.0 a	15.13 a	15.75 a	15.75 a	15.25 a		
2 LIBERTY 2.34 SL 32.0 oz/a POST						0.0 a	0.0 a	15.13 a	15.75 a	15.75 a	15.25 a		
1 7 DAY BEFORE PLANTING						0.0 a	0.0 a	15.00 a	14.25 a	15.75 a	15.75 a		
3 LIBERTY 2.34 SL 64.0 oz/a POST						0.0 a	0.0 a	15.00 a	14.25 a	15.75 a	15.75 a		
2 PREEMERGENCE (1 DAP)						0.0 a	0.0 a	14.75 a	14.63 a	16.00 a	14.75 a		
3 LIBERTY 2.34 SL 64.0 oz/a POST						0.0 a	0.0 a	14.75 a	14.63 a	16.00 a	14.75 a		
1 7 DAY BEFORE PLANTING						0.0 a	0.0 a	14.50 a	14.38 a	16.00 a	15.63 a		
4 LIBERTY 2.34 SL 96.0 oz/a POST						0.0 a	0.0 a	14.50 a	14.38 a	16.00 a	15.63 a		
2 PREEMERGENCE (1 DAP)						0.0 a	0.0 a	16.00 a	15.75 a	14.50 a	16.00 a		
4 LIBERTY 2.34 SL 96.0 oz/a POST						0.0 a	0.0 a	16.00 a	15.75 a	14.50 a	16.00 a		
LSD P=.10						.	.	1.635	1.840	1.765	1.940		
Standard Deviation						0.00	0.00	1.261	1.419	1.362	1.497		
CV						0.00	0.00	8.507	9.532	8.850	9.753		

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

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Trial ID: PE-02-22		Study Dir.: A. FULMER/L. VINCENT							
Location: PONDER FARM		Investigator: Eric P. Prostko							
Weed Code									
Crop Code									
Part Rated									
Rating Data Type									
Rating Unit									
Rating Date									
Trt Treatment	Form	Form	Product	Product	Grow				
No. Name	Conc	Type	Rate	Rate	Unit	Stg			
	23								
TABLE OF R MEANS									
Replicate 1	14.69								
Replicate 2	15.31								
Replicate 3	15.69								
Replicate 4	15.69								
TABLE OF A (TIMING) MEANS									
1 7 DAY BEFORE PLANTING	15.31 a								
2 PREEMERGENCE (1 DAP)	15.38 a								
LSD P=.10	0.652								
Standard Deviation	0.784								
CV	5.109								
TABLE OF B (RATE) MEANS									
1 LIBERTY 2.34 SL 0.0 oz/a POST	15.31 a	15.2 a	17.80 a	17.4 a	4750.5 a				
2 LIBERTY 2.34 SL 32.0 oz/a POST	15.19 a	14.9 a	18.68 a	18.3 a	4984.1 a				
3 LIBERTY 2.34 SL 64.0 oz/a POST	15.25 a	15.1 a	18.25 a	17.9 a	4870.6 a				
4 LIBERTY 2.34 SL 96.0 oz/a POST	15.63 a	15.4 a	18.66 a	18.3 a	4980.7 a				
LSD P=.10	1.365	0.88	0.951	0.93	253.72				
Standard Deviation	1.490	0.96	1.037	1.02	276.82				
CV	9.708	6.31	5.654	5.65	5.65				
TABLE OF A (TIMING) B (RATE) MEANS									
1 7 DAY BEFORE PLANTING	14.88 a	15.0 a	17.03 a	16.7 a	4543.7 a				
1 LIBERTY 2.34 SL 0.0 oz/a POST	15.75 a	15.5 a	18.58 a	18.2 a	4957.4 a				
2 PREEMERGENCE (1 DAP)	15.75 a	15.5 a	18.58 a	18.2 a	4957.4 a				
1 LIBERTY 2.34 SL 0.0 oz/a POST	15.25 a	14.3 a	18.40 a	18.0 a	4910.7 a				
1 7 DAY BEFORE PLANTING	15.25 a	14.3 a	18.40 a	18.0 a	4910.7 a				
2 LIBERTY 2.34 SL 32.0 oz/a POST	15.13 a	15.4 a	18.95 a	18.6 a	5057.5 a				
2 PREEMERGENCE (1 DAP)	15.13 a	15.4 a	18.95 a	18.6 a	5057.5 a				
2 LIBERTY 2.34 SL 32.0 oz/a POST	15.13 a	15.2 a	17.03 a	16.7 a	4543.7 a				
1 7 DAY BEFORE PLANTING	15.13 a	15.2 a	17.03 a	16.7 a	4543.7 a				
3 LIBERTY 2.34 SL 64.0 oz/a POST	15.38 a	15.1 a	19.48 a	19.1 a	5197.6 a				
2 PREEMERGENCE (1 DAP)	15.38 a	15.1 a	19.48 a	19.1 a	5197.6 a				
3 LIBERTY 2.34 SL 64.0 oz/a POST	16.00 a	15.3 a	18.75 a	18.4 a	5004.1 a				
1 7 DAY BEFORE PLANTING	16.00 a	15.3 a	18.75 a	18.4 a	5004.1 a				
4 LIBERTY 2.34 SL 96.0 oz/a POST	15.25 a	15.5 a	18.58 a	18.2 a	4957.4 a				
2 PREEMERGENCE (1 DAP)	15.25 a	15.5 a	18.58 a	18.2 a	4957.4 a				
4 LIBERTY 2.34 SL 96.0 oz/a POST	1.171	1.04	2.460	2.41	656.60				
LSD P=.10	0.903	0.81	1.898	1.86	506.56				
Standard Deviation	5.887	5.31	10.345	10.35	10.35				
CV									

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 REPONSE TO PPLNT/PRE APPLIED LIBERTY

Trial ID: PE-02-22 Study Dir.: A. FULMER/L. VINCENT
Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For ----- Arahy Plant Stand #/5 ft May-17-22 (Data Column 1)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	170.000000				
R	3	20.000000	6.666667	1.459	0.2898	
A	1	6.125000	6.125000	1.615	0.2933	1.6
RA	3	11.375000	3.791667			
B	3	11.000000	3.666667	0.673	0.5896	2.1
RB	9	49.000000	5.444444			
AB	3	31.375000	10.458333	2.289	0.1472	2.8
RAB	9	41.125000	4.569444			

COMPLETE FACTORIAL AOV For ----- Arahy Plant Stunting % May-17-22 (Data Column 2)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	350.000000				
R	3	25.000000	8.333333	2.000	0.1846	
A	1	12.500000	12.500000	3.000	0.1817	1.7
RA	3	12.500000	4.166667			
B	3	50.000000	16.666667	0.857	0.4975	4.0
RB	9	175.000000	19.444444			
AB	3	37.500000	12.500000	3.000	0.0877	2.6
RAB	9	37.500000	4.166667			

COMPLETE FACTORIAL AOV For ----- ARAHY PLANT STUNTING % Jun-2-22 (Data Column 3)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	0.000000				
R	3	0.000000	0.000000	0.000	1.0000	
A	1	0.000000	0.000000	0.000	1.0000	.
RA	3	0.000000	0.000000			
B	3	0.000000	0.000000	0.000	1.0000	.
RB	9	0.000000	0.000000			
AB	3	0.000000	0.000000	0.000	1.0000	.
RAB	9	0.000000	0.000000			

COMPLETE FACTORIAL AOV For Arahy Plant Ht1 In Jun-6-22 (Data Column 4)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	10.375000				
R	3	0.062500	0.020833	0.056	0.9817	
A	1	3.125000	3.125000	150.000	0.0012	0.12
RA	3	0.062500	0.020833			
B	3	0.687500	0.229167	0.717	0.5661	0.52
RB	9	2.875000	0.319444			
AB	3	0.187500	0.062500	0.167	0.9162	0.79
RAB	9	3.375000	0.375000			

COMPLETE FACTORIAL AOV For Arahy Plant Ht2 In Jun-6-22 (Data Column 5)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	11.500000				
R	3	0.062500	0.020833	0.064	0.9777	
A	1	0.125000	0.125000	0.353	0.5943	0.50
RA	3	1.062500	0.354167			
B	3	0.750000	0.250000	0.507	0.6871	0.64
RB	9	4.437500	0.493056			
AB	3	2.125000	0.708333	2.170	0.1614	0.74
RAB	9	2.937500	0.326389			

COMPLETE FACTORIAL AOV For Arahy Plant Ht3 In Jun-6-22 (Data Column 6)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	10.500000				
R	3	0.437500	0.145833	0.553	0.6591	
A	1	0.500000	0.500000	1.043	0.3822	0.58
RA	3	1.437500	0.479167			
B	3	0.187500	0.062500	0.136	0.9358	0.62
RB	9	4.125000	0.458333			
AB	3	1.437500	0.479167	1.816	0.2144	0.67
RAB	9	2.375000	0.263889			

Means followed by same letter or symbol do not significantly differ (P=,10, LSD).

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University of Georgia

PEANUT REPONSE TO PPLNT/PRE APPLIED LIBERTY

Trial ID: PE-02-22 Study Dir.: A. FULMER/L. VINCENT
Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For Arahy Plant Ht4 In Jun-6-22 (Data Column 7)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	17.054688				
R	3	3.398438	1.132813	2.326	0.1431	
A	1	0.632813	0.632813	0.495	0.5324	0.94
RA	3	3.835938	1.278646			
B	3	0.085938	0.028646	0.058	0.9805	0.64
RB	9	4.445313	0.493924			
AB	3	0.273438	0.091146	0.187	0.9025	0.90
RAB	9	4.382813	0.486979			

COMPLETE FACTORIAL AOV For Arahy Plant Ht5 In Jun-6-22 (Data Column 8)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	10.500000				
R	3	0.812500	0.270833	0.422	0.7421	
A	1	0.031250	0.031250	0.333	0.6042	0.25
RA	3	0.281250	0.093750			
B	3	0.437500	0.145833	0.438	0.7316	0.53
RB	9	3.000000	0.333333			
AB	3	0.156250	0.052083	0.081	0.9687	1.04
RAB	9	5.781250	0.642361			

COMPLETE FACTORIAL AOV For Arahy Plant HGT-AVG In Jun-6-22 (Data Column 9)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	2.324688				
R	3	0.228438	0.076146	1.405	0.3037	
A	1	0.382812	0.382812	2.519	0.2107	0.3
RA	3	0.455938	0.151979			
B	3	0.040938	0.013646	0.292	0.8301	0.2
RB	9	0.420313	0.046701			
AB	3	0.308438	0.102813	1.897	0.2006	0.3
RAB	9	0.487813	0.054201			

COMPLETE FACTORIAL AOV For Arahy Plant Wt1 In Jun-6-22 (Data Column 10)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	68.117188				
R	3	17.148438	5.716146	8.221	0.0060	
A	1	7.507813	7.507813	6.881	0.0788	0.87
RA	3	3.273438	1.091146			
B	3	12.710938	4.236979	1.918	0.1972	1.36
RB	9	19.882813	2.209201			
AB	3	1.335938	0.445313	0.640	0.6079	1.08
RAB	9	6.257813	0.695313			

COMPLETE FACTORIAL AOV For Arahy Plant Wt2 In Jun-6-22 (Data Column 11)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	60.867188				
R	3	0.710938	0.236979	0.109	0.9529	
A	1	2.257813	2.257813	2.752	0.1957	0.75
RA	3	2.460938	0.820313			
B	3	2.148438	0.716146	0.201	0.8934	1.73
RB	9	32.132813	3.570313			
AB	3	1.523438	0.507813	0.233	0.8713	1.91
RAB	9	19.632813	2.181424			

COMPLETE FACTORIAL AOV For Arahy Plant Wt3 In Jun-6-22 (Data Column 12)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	52.375000				
R	3	2.437500	0.812500	0.672	0.5902	
A	1	0.125000	0.125000	0.090	0.7843	0.98
RA	3	4.187500	1.395833			
B	3	1.187500	0.395833	0.120	0.9462	1.67
RB	9	29.750000	3.305556			
AB	3	3.812500	1.270833	1.052	0.4162	1.42
RAB	9	10.875000	1.208333			

Means followed by same letter or symbol do not significantly differ ($P=,10$, LSD).

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University of Georgia

PEANUT REPONSE TO PPLNT/PRE APPLIED LIBERTY

Trial ID: PE-02-22 Study Dir.: A. FULMER/L. VINCENT
Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For Arahy Plant Wt4 In Jun-6-22 (Data Column 13)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	84.718750				
R	3	3.843750	1.281250	0.792	0.5284	
A	1	0.500000	0.500000	0.261	0.6447	1.15
RA	3	5.750000	1.916667			
B	3	19.656250	6.552083	1.466	0.2880	1.94
RB	9	40.218750	4.468750			
AB	3	0.187500	0.062500	0.039	0.9892	1.65
RAB	9	14.562500	1.618056			

COMPLETE FACTORIAL AOV For Arahy Plant Wt5 In Jun-6-22 (Data Column 14)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	55.468750				
R	3	4.656250	1.552083	0.711	0.5697	
A	1	0.281250	0.281250	0.303	0.6201	0.80
RA	3	2.781250	0.927083			
B	3	6.656250	2.218750	0.967	0.4498	1.39
RB	9	20.656250	2.295139			
AB	3	0.781250	0.260417	0.119	0.9465	1.92
RAB	9	19.656250	2.184028			

COMPLETE FACTORIAL AOV For Arahy Plant AVG-WDTH In Jun-6-22 (Data Column 15)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	34.418750				
R	3	1.391250	0.463750	0.550	0.6606	
A	1	1.051250	1.051250	2.481	0.2133	0.5
RA	3	1.271250	0.423750			
B	3	2.421250	0.807083	0.353	0.7880	1.4
RB	9	20.556250	2.284028			
AB	3	0.141250	0.047083	0.056	0.9815	1.2
RAB	9	7.586250	0.842917			

COMPLETE FACTORIAL AOV For Arahy Plant Stunting % Jun-16-22 (Data Column 16)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	0.000000				
R	3	0.000000	0.000000	0.000	1.0000	
A	1	0.000000	0.000000	0.000	1.0000	.
RA	3	0.000000	0.000000			
B	3	0.000000	0.000000	0.000	1.0000	.
RB	9	0.000000	0.000000			
AB	3	0.000000	0.000000	0.000	1.0000	.
RAB	9	0.000000	0.000000			

COMPLETE FACTORIAL AOV For Arahy Stunting % Jun-27-22 (Data Column 17)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	0.000000				
R	3	0.000000	0.000000	0.000	1.0000	
A	1	0.000000	0.000000	0.000	1.0000	.
RA	3	0.000000	0.000000			
B	3	0.000000	0.000000	0.000	1.0000	.
RB	9	0.000000	0.000000			
AB	3	0.000000	0.000000	0.000	1.0000	.
RAB	9	0.000000	0.000000			

COMPLETE FACTORIAL AOV For Arahy Plant Stunting % Jul-21-22 (Data Column 18)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	0.000000				
R	3	0.000000	0.000000	0.000	1.0000	
A	1	0.000000	0.000000	0.000	1.0000	.
RA	3	0.000000	0.000000			
B	3	0.000000	0.000000	0.000	1.0000	.
RB	9	0.000000	0.000000			
AB	3	0.000000	0.000000	0.000	1.0000	.
RAB	9	0.000000	0.000000			

Means followed by same letter or symbol do not significantly differ ($P \geq .10$, LSD).

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

University of Georgia

PEANUT REPONSE TO PPLNT/PRE APPLIED LIBERTY

Trial ID: PE-02-22 Study Dir.: A. FULMER/L. VINCENT
Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For Arahy Plant HGT1 In Jul-21-22 (Data Column 19)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	79.304688				
R	3	13.398438	4.466146	2.807	0.1004	
A	1	9.570313	9.570313	4.088	0.1364	1.27
RA	3	7.023438	2.341146			
B	3	4.960938	1.653646	0.600	0.6312	1.52
RB	9	24.820313	2.757813			
AB	3	5.210938	1.736979	1.092	0.4014	1.64
RAB	9	14.320313	1.591146			

COMPLETE FACTORIAL AOV For Arahy Plant HGT2 In Jul-21-22 (Data Column 20)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	92.867188				
R	3	32.898438	10.966146	5.443	0.0207	
A	1	7.507813	7.507813	2.604	0.2050	1.41
RA	3	8.648438	2.882813			
B	3	2.335938	0.778646	0.334	0.8015	1.40
RB	9	21.007813	2.334201			
AB	3	2.335938	0.778646	0.386	0.7655	1.84
RAB	9	18.132813	2.014757			

COMPLETE FACTORIAL AOV For Arahy Plqnt HGT3 In Jul-21-22 (Data Column 21)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	78.367188				
R	3	24.210938	8.070313	4.350	0.0374	
A	1	0.195313	0.195313	0.309	0.6173	0.66
RA	3	1.898438	0.632813			
B	3	2.523438	0.841146	0.306	0.8207	1.52
RB	9	24.757813	2.750868			
AB	3	8.085938	2.695313	1.453	0.2913	1.77
RAB	9	16.695313	1.855035			

COMPLETE FACTORIAL AOV For Arahy Plant HGT4 In Jul-21-22 (Data Column 22)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	50.218750				
R	3	8.281250	2.760417	1.233	0.3536	
A	1	0.031250	0.031250	0.014	0.9122	1.23
RA	3	6.531250	2.177083			
B	3	4.281250	1.427083	1.930	0.1954	0.79
RB	9	6.656250	0.739583			
AB	3	4.281250	1.427083	0.637	0.6097	1.94
RAB	9	20.156250	2.239583			

COMPLETE FACTORIAL AOV For Arahy Plant HGT5 In Jul-21-22 (Data Column 23)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	38.218750				
R	3	5.343750	1.781250	2.183	0.1598	
A	1	0.031250	0.031250	0.051	0.8361	0.65
RA	3	1.843750	0.614583			
B	3	0.906250	0.302083	0.136	0.9360	1.37
RB	9	19.968750	2.218750			
AB	3	2.781250	0.927083	1.136	0.3855	1.17
RAB	9	7.343750	0.815972			

COMPLETE FACTORIAL AOV For Arahy Plant AVG-HGT In Jul-21-22 (Data Column 24)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	36.117188				
R	3	14.305938	4.768646	7.352	0.0086	
A	1	1.575313	1.575313	1.368	0.3266	0.9
RA	3	3.453438	1.151146			
B	3	1.220938	0.406979	0.445	0.7269	0.9
RB	9	8.235313	0.915035			
AB	3	1.488438	0.496146	0.765	0.5418	1.0
RAB	9	5.837813	0.648646			

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University of Georgia

PEANUT REPONSE TO PPLNT/PRE APPLIED LIBERTY

Trial ID: PE-02-22 Study Dir.: A. FULMER/L. VINCENT
 Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For ----- ARAHY YIELD DIRTY LBS/PLOT Sep-20-22 (Data Column 25)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	90.239688				
R	3	14.925938	4.975313	1.381	0.3101	
A	1	9.570313	9.570313	2.474	0.2138	1.64
RA	3	11.605938	3.868646			
B	3	4.125937	1.375313	1.278	0.3395	0.95
RB	9	9.682813	1.075868			
AB	3	7.905938	2.635313	0.732	0.5588	2.46
RAB	9	32.422813	3.602535			

COMPLETE FACTORIAL AOV For ----- ARAHY YIELD CLEAN LBS/PLOT Sep-20-22 (Data Column 26)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	86.666196				
R	3	14.334870	4.778290	1.381	0.3101	
A	1	9.191328	9.191328	2.474	0.2138	1.6
RA	3	11.146342	3.715447			
B	3	3.962550	1.320850	1.278	0.3395	0.9
RB	9	9.299373	1.033264			
AB	3	7.592862	2.530954	0.732	0.5588	2.4
RAB	9	31.138869	3.459874			

COMPLETE FACTORIAL AOV For ----- ARAHY YIELD YIELD LBS/A Sep-20-22 (Data Column 27)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	6427511.058318				
R	3	1063131.211941	354377.070647	1.381	0.3101	
A	1	681665.585614	681665.585614	2.474	0.2138	436.8
RA	3	826657.246828	275552.415609			
B	3	293878.554346	97959.518115	1.278	0.3395	253.7
RB	9	689678.634131	76630.959348			
AB	3	563116.984504	187705.661501	0.732	0.5588	656.6
RAB	9	2309382.840954	256598.093439			

Part Rated

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

Rating Unit

% = PERCENT

In = INCH

ARM Action Codes

T1 = ([C4]+[C5]+[C6]+[C7]+[C8])/5

T2 = ([C10]+[C11]+[C12]+[C13]+[C14])/5

T3 = ([C19]+[C20]+[C21]+[C22]+[C23])/5

T4 = [C25]*0.98

TY5 = 272.33066667*[26]

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 REPONSE TO PPLNT/PRE APPLIED LIBERTY

Trial ID: PE-02-22 Study Dir.: A. FULMER/L. VINCENT
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							----- Arahy Plant, - Stand #/5 ft May-17-22	----- Arahy Plant, - Stunting % May-17-22	----- ARAHY PLANT, - STUNTING % Jun-2-22	Arahy Plant, - Ht1 In Jun-6-22	Arahy Plant, - Ht2 In Jun-6-22
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate	Grow Unit Stg Plot	1	2	3	4	5
1	7 DAY BEFORE PLANTING LIBERTY	2.34	SL	0.0 oz/a		POST 101 203 306 407 Mean =	30.0 29.0 26.0 29.0 28.5	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	5.00 5.00 5.00 4.50 4.88	5.00 6.00 6.00 6.00 5.75
2	7 DAY BEFORE PLANTING LIBERTY	2.34	SL	32.0 oz/a		POST 102 205 302 403 Mean =	30.0 26.0 26.0 29.0 27.8	0.0 10.0 0.0 0.0 2.5	0.0 0.0 0.0 0.0 0.0	5.00 5.00 5.00 5.50 5.13	5.00 4.00 5.50 5.00 4.88
3	7 DAY BEFORE PLANTING LIBERTY	2.34	SL	64.0 oz/a		POST 103 208 304 401 Mean =	30.0 27.0 27.0 31.0 28.8	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	5.00 5.50 4.50 5.00 5.00	5.50 5.50 5.50 6.50 5.75
4	7 DAY BEFORE PLANTING LIBERTY	2.34	SL	96.0 oz/a		POST 104 201 303 408 Mean =	26.0 28.0 25.0 24.0 25.8	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	5.50 4.50 5.00 5.00 5.00	5.00 6.00 5.00 5.50 5.38
5	PREEMERGENCE (1 DAP) LIBERTY	2.34	SL	0.0 oz/a		POST 105 204 308 405 Mean =	29.0 27.0 31.0 25.0 28.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	5.00 5.00 6.00 5.00 5.25	5.00 5.50 6.00 4.50 5.25
6	PREEMERGENCE (1 DAP) LIBERTY	2.34	SL	32.0 oz/a		POST 106 207 305 404 Mean =	26.0 23.0 26.0 30.0 26.3	0.0 10.0 0.0 0.0 2.5	0.0 0.0 0.0 0.0 0.0	7.00 6.00 5.00 5.00 5.75	6.00 5.50 5.00 5.00 5.38
7	PREEMERGENCE (1 DAP) LIBERTY	2.34	SL	64.0 oz/a		POST 107 206 301 406 Mean =	23.0 25.0 25.0 28.0 25.3	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	5.00 6.00 6.00 6.00 5.75	6.00 4.50 5.00 4.50 5.00
8	PREEMERGENCE (1 DAP) LIBERTY	2.34	SL	96.0 oz/a		POST 108 202 307 402 Mean =	28.0 29.0 24.0 30.0 27.8	0.0 0.0 10.0 10.0 5.0	0.0 0.0 0.0 0.0 0.0	5.50 5.50 5.50 6.50 5.75	5.00 6.00 5.00 6.50 5.63

University of Georgia

PEANUT REPONSE TO PPLNT/PRE APPLIED LIBERTY

Trial ID: PE-02-22 Study Dir.: A. FULMER/L. VINCENT
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date								Arahy Plant, - Ht3 In Jun-6-22	Arahy Plant, - Ht4 In Jun-6-22	Arahy Plant, - Ht5 In Jun-6-22	Arahy Plant, - HGT-AVG In Jun-6-22	Arahy Plant, - Wt1 In Jun-6-22
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate	Grow Unit	Plot Stg	6	7	8	9	10
1	7 DAY BEFORE PLANTING LIBERTY	2.34	SL	0.0 oz/a	POST	203	101	5.00	6.00	6.00	5.4	7.00
							306	5.50	5.00	5.00	5.3	9.00
							407	6.00	4.50	5.50	5.4	6.00
								6.00	5.50	5.50	5.5	10.00
							Mean =	5.63	5.25	5.50	5.4	8.00
2	7 DAY BEFORE PLANTING LIBERTY	2.34	SL	32.0 oz/a	POST	205	102	4.50	5.50	6.00	5.2	8.00
							302	5.00	4.50	5.00	4.7	10.00
							403	5.00	5.50	5.00	5.2	9.50
								6.00	5.50	5.00	5.4	9.50
							Mean =	5.13	5.25	5.25	5.1	9.25
3	7 DAY BEFORE PLANTING LIBERTY	2.34	SL	64.0 oz/a	POST	208	103	5.50	5.00	4.50	5.1	9.00
							304	5.00	4.50	6.00	5.3	10.00
							401	5.00	6.00	5.50	5.3	7.00
								6.00	6.00	5.50	5.8	8.00
							Mean =	5.38	5.38	5.38	5.4	8.50
4	7 DAY BEFORE PLANTING LIBERTY	2.34	SL	96.0 oz/a	POST	201	104	4.50	5.50	4.50	5.0	8.00
							303	5.50	5.00	6.00	5.4	10.00
							408	4.50	4.00	5.50	4.8	6.00
								5.00	6.50	5.00	5.4	7.00
							Mean =	4.88	5.25	5.25	5.2	7.75
5	PREEMERGENCE (1 DAP) LIBERTY	2.34	SL	0.0 oz/a	POST	204	105	5.00	6.50	5.00	5.3	9.00
							308	5.50	5.00	6.00	5.4	11.00
							405	5.50	5.50	5.00	5.6	7.00
								5.00	6.00	6.00	5.3	11.00
							Mean =	5.25	5.75	5.50	5.4	9.50
6	PREEMERGENCE (1 DAP) LIBERTY	2.34	SL	32.0 oz/a	POST	207	106	5.50	4.50	4.50	5.5	8.50
							305	5.00	5.00	6.00	5.5	11.00
							404	6.00	7.00	5.00	5.6	11.00
								6.00	6.00	5.00	5.4	10.00
							Mean =	5.63	5.63	5.13	5.5	10.13
7	PREEMERGENCE (1 DAP) LIBERTY	2.34	SL	64.0 oz/a	POST	206	107	6.00	5.00	5.50	5.5	9.00
							301	5.00	5.50	4.50	5.1	9.00
							406	6.50	6.00	6.50	6.0	11.00
								4.50	5.00	5.50	5.1	9.50
							Mean =	5.50	5.38	5.50	5.4	9.63
8	PREEMERGENCE (1 DAP) LIBERTY	2.34	SL	96.0 oz/a	POST	202	108	6.00	4.50	5.50	5.3	7.50
							307	6.00	5.00	5.50	5.6	9.50
							402	4.50	7.00	6.50	5.7	7.50
								6.00	5.50	4.50	5.8	8.00
							Mean =	5.63	5.50	5.50	5.6	8.13

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PEANUT REPONSE TO PPLNT/PRE APPLIED LIBERTY

Trial ID: PE-02-22 Study Dir.: A. FULMER/L. VINCENT
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							Arahy Plant, - Wt2 In Jun-6-22	Arahy Plant, - Wt3 In Jun-6-22	Arahy Plant, - Wt4 In Jun-6-22	Arahy Plant, - Wt5 In Jun-6-22	Arahy Plant, - AVG-WDTH In Jun-6-22
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate	Grow Unit Stg Plot	11	12	13	14	15
1	7 DAY BEFORE PLANTING LIBERTY	2.34	SL	0.0 oz/a		POST 101 203 306 407 Mean =	8.50 9.50 7.00 11.00 9.00	9.00 10.00 8.00 10.50 9.38	9.00 11.00 6.00 10.00 9.00	10.00 12.50 7.50 9.00 9.75	8.7 10.4 6.9 10.1 9.0
2	7 DAY BEFORE PLANTING LIBERTY	2.34	SL	32.0 oz/a		POST 102 205 302 403 Mean =	9.00 7.00 11.50 8.00 8.88	8.00 9.00 12.00 11.50 10.13	11.00 11.00 11.50 9.00 10.63	10.00 8.00 9.00 7.50 8.63	9.2 9.0 10.7 9.1 9.5
3	7 DAY BEFORE PLANTING LIBERTY	2.34	SL	64.0 oz/a		POST 103 208 304 401 Mean =	10.00 8.00 8.00 8.50 8.63	11.00 8.00 10.00 10.00 9.75	8.50 7.50 8.50 9.00 8.38	9.50 9.00 8.00 10.00 9.13	9.6 8.5 8.3 9.1 8.9
4	7 DAY BEFORE PLANTING LIBERTY	2.34	SL	96.0 oz/a		POST 104 201 303 408 Mean =	8.50 11.00 7.00 9.00 8.88	9.00 9.00 9.00 8.00 8.75	9.00 9.50 10.00 7.00 8.88	8.50 9.00 11.00 7.50 9.00	8.6 9.7 8.6 7.7 8.7
5	PREEMERGENCE (1 DAP) LIBERTY	2.34	SL	0.0 oz/a		POST 105 204 308 405 Mean =	8.50 10.00 7.50 10.00 9.00	9.00 10.00 8.00 9.50 9.13	10.00 10.00 7.50 10.00 9.38	10.50 10.00 10.00 10.50 10.25	9.4 10.2 8.0 10.2 9.5
6	PREEMERGENCE (1 DAP) LIBERTY	2.34	SL	32.0 oz/a		POST 106 207 305 404 Mean =	8.00 11.50 10.00 9.00 9.63	7.00 11.00 9.00 10.00 9.25	7.50 11.50 14.00 9.50 10.63	9.50 10.00 10.00 7.00 9.13	8.1 11.0 10.8 9.1 9.8
7	PREEMERGENCE (1 DAP) LIBERTY	2.34	SL	64.0 oz/a		POST 107 206 301 406 Mean =	10.00 7.50 11.00 7.00 8.88	10.00 8.00 11.50 8.00 9.38	9.50 7.00 10.50 7.50 8.63	11.50 6.50 10.00 8.00 9.00	10.0 7.6 10.8 8.0 9.1
8	PREEMERGENCE (1 DAP) LIBERTY	2.34	SL	96.0 oz/a		POST 108 202 307 402 Mean =	9.00 10.00 10.00 11.00 10.00	9.00 11.50 8.00 10.50 9.75	7.50 9.50 10.00 10.00 9.25	8.00 9.00 9.00 9.50 8.88	8.2 9.9 8.9 9.8 9.2

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PEANUT REPONSE TO PPLNT/PRE APPLIED LIBERTY

Trial ID: PE-02-22 Study Dir.: A. FULMER/L. VINCENT
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							Arahy Plant, - Stunting % Jun-16-22	Arahy Stunting % Jun-27-22	Arahy Plant, - Stunting % Jul-21-22	Arahy Plant, - HGT1 In Jul-21-22	Arahy Plant, - HGT2 In Jul-21-22
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate	Grow Unit Stg Plot	16	17	18	19	20
1	7 DAY BEFORE PLANTING LIBERTY	2.34	SL	0.0 oz/a	POST	101	0.0	0.0	0.0	12.50	13.00
						203	0.0	0.0	0.0	14.00	14.00
						306	0.0	0.0	0.0	15.00	16.50
						407	0.0	0.0	0.0	16.00	16.00
						Mean =	0.0	0.0	0.0	14.38	14.88
2	7 DAY BEFORE PLANTING LIBERTY	2.34	SL	32.0 oz/a	POST	102	0.0	0.0	0.0	13.00	13.00
						205	0.0	0.0	0.0	14.00	14.00
						302	0.0	0.0	0.0	16.00	16.00
						403	0.0	0.0	0.0	10.00	13.50
						Mean =	0.0	0.0	0.0	13.25	14.13
3	7 DAY BEFORE PLANTING LIBERTY	2.34	SL	64.0 oz/a	POST	103	0.0	0.0	0.0	14.00	10.00
						208	0.0	0.0	0.0	14.00	16.00
						304	0.0	0.0	0.0	16.00	16.00
						401	0.0	0.0	0.0	16.00	15.00
						Mean =	0.0	0.0	0.0	15.00	14.25
4	7 DAY BEFORE PLANTING LIBERTY	2.34	SL	96.0 oz/a	POST	104	0.0	0.0	0.0	13.00	12.00
						201	0.0	0.0	0.0	14.50	14.00
						303	0.0	0.0	0.0	13.50	14.50
						408	0.0	0.0	0.0	17.00	17.00
						Mean =	0.0	0.0	0.0	14.50	14.38
5	PREEMERGENCE (1 DAP) LIBERTY	2.34	SL	0.0 oz/a	POST	105	0.0	0.0	0.0	15.00	15.00
						204	0.0	0.0	0.0	13.50	13.00
						308	0.0	0.0	0.0	16.00	18.00
						405	0.0	0.0	0.0	18.00	15.50
						Mean =	0.0	0.0	0.0	15.63	15.38
6	PREEMERGENCE (1 DAP) LIBERTY	2.34	SL	32.0 oz/a	POST	106	0.0	0.0	0.0	15.00	14.00
						207	0.0	0.0	0.0	14.50	14.00
						305	0.0	0.0	0.0	16.00	18.00
						404	0.0	0.0	0.0	15.00	17.00
						Mean =	0.0	0.0	0.0	15.13	15.75
7	PREEMERGENCE (1 DAP) LIBERTY	2.34	SL	64.0 oz/a	POST	107	0.0	0.0	0.0	16.00	14.00
						206	0.0	0.0	0.0	13.00	16.00
						301	0.0	0.0	0.0	14.00	13.50
						406	0.0	0.0	0.0	16.00	15.00
						Mean =	0.0	0.0	0.0	14.75	14.63
8	PREEMERGENCE (1 DAP) LIBERTY	2.34	SL	96.0 oz/a	POST	108	0.0	0.0	0.0	16.00	16.00
						202	0.0	0.0	0.0	15.00	16.00
						307	0.0	0.0	0.0	17.00	16.00
						402	0.0	0.0	0.0	16.00	15.00
						Mean =	0.0	0.0	0.0	16.00	15.75

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PEANUT REPONSE TO PPLNT/PRE APPLIED LIBERTY

Trial ID: PE-02-22 Study Dir.: A. FULMER/L. VINCENT
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date								Arahy Plqnt, - HGT3 In Jul-21-22	Arahy Plant, - HGT4 In Jul-21-22	Arahy Plant, - HGT5 In Jul-21-22	Arahy Plant, - AVG-HGT In Jul-21-22	----- ARAHY YIELD, - DIRTY LBS/PLOT Sep-20-22
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate	Grow Unit	Plot Stg	21	22	23	24	25
1	7 DAY BEFORE PLANTING LIBERTY	2.34	SL	0.0 oz/a	POST		101	13.00	13.00	14.00	13.1	16.00
							203	13.50	15.00	13.50	14.0	15.80
							306	18.00	18.00	16.00	16.7	19.80
							407	15.00	17.00	16.00	16.0	16.50
							Mean =	14.88	15.75	14.88	15.0	17.03
2	7 DAY BEFORE PLANTING LIBERTY	2.34	SL	32.0 oz/a	POST		102	14.00	13.00	13.00	13.2	19.30
							205	14.00	16.00	16.00	14.8	18.80
							302	15.50	14.50	15.00	15.4	19.00
							403	15.00	14.00	17.00	13.9	16.50
							Mean =	14.63	14.38	15.25	14.3	18.40
3	7 DAY BEFORE PLANTING LIBERTY	2.34	SL	64.0 oz/a	POST		103	15.00	15.50	14.50	13.8	14.60
							208	16.00	16.00	16.00	15.6	15.40
							304	15.50	16.00	15.00	15.7	20.40
							401	16.50	15.50	15.00	15.6	17.70
							Mean =	15.75	15.75	15.13	15.2	17.03
4	7 DAY BEFORE PLANTING LIBERTY	2.34	SL	96.0 oz/a	POST		104	13.50	14.50	16.00	13.8	18.20
							201	16.00	16.00	16.00	15.3	18.00
							303	15.00	16.00	16.00	15.0	19.10
							408	19.50	16.00	16.00	17.1	19.70
							Mean =	16.00	15.63	16.00	15.3	18.75
5	PREEMERGENCE (1 DAP) LIBERTY	2.34	SL	0.0 oz/a	POST		105	15.00	16.00	15.00	15.2	18.90
							204	14.00	15.00	15.00	14.1	16.80
							308	17.50	14.00	17.00	16.5	17.00
							405	16.00	16.00	16.00	16.3	21.60
							Mean =	15.63	15.25	15.75	15.5	18.58
6	PREEMERGENCE (1 DAP) LIBERTY	2.34	SL	32.0 oz/a	POST		106	13.00	14.00	13.00	13.8	16.50
							207	15.00	14.00	16.00	14.7	18.00
							305	19.00	16.00	17.00	17.2	21.10
							404	16.00	17.00	14.50	15.9	20.20
							Mean =	15.75	15.25	15.13	15.4	18.95
7	PREEMERGENCE (1 DAP) LIBERTY	2.34	SL	64.0 oz/a	POST		107	15.00	14.00	15.00	14.8	18.70
							206	17.00	15.00	16.00	15.4	20.70
							301	15.00	15.00	15.50	14.6	18.80
							406	17.00	15.00	15.00	15.6	19.70
							Mean =	16.00	14.75	15.38	15.1	19.48
8	PREEMERGENCE (1 DAP) LIBERTY	2.34	SL	96.0 oz/a	POST		108	15.00	17.00	17.00	16.2	18.60
							202	14.00	14.00	14.00	14.6	18.50
							307	14.50	18.00	14.00	15.9	18.20
							402	14.50	15.00	16.00	15.3	19.00
							Mean =	14.50	16.00	15.25	15.5	18.58

University of Georgia

PEANUT REPONSE TO PPLNT/PRE APPLIED LIBERTY

Trial ID: PE-02-22 Study Dir.: A. FULMER/L. VINCENT
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							----- ARAHY YIELD, - CLEAN LBS/PLOT Sep-20-22	----- ARAHY YIELD, - YIELD LBS/A Sep-20-22	
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Plot	26	27
1	7 DAY BEFORE PLANTING LIBERTY	2.34	SL	0.0 oz/a		POST	101 203 306 407 Mean =	15.7 15.5 19.4 16.2 16.7	4270.1 4216.8 5284.3 4403.6 4543.7
2	7 DAY BEFORE PLANTING LIBERTY	2.34	SL	32.0 oz/a		POST	102 205 302 403 Mean =	18.9 18.4 18.6 16.2 18.0	5150.9 5017.4 5070.8 4403.6 4910.7
3	7 DAY BEFORE PLANTING LIBERTY	2.34	SL	64.0 oz/a		POST	103 208 304 401 Mean =	14.3 15.1 20.0 17.3 16.7	3896.5 4110.0 5444.4 4723.8 4543.7
4	7 DAY BEFORE PLANTING LIBERTY	2.34	SL	96.0 oz/a		POST	104 201 303 408 Mean =	17.8 17.6 18.7 19.3 18.4	4857.3 4803.9 5097.5 5257.6 5004.1
5	PREEMERGENCE (1 DAP) LIBERTY	2.34	SL	0.0 oz/a		POST	105 204 308 405 Mean =	18.5 16.5 16.7 21.2 18.2	5044.1 4483.7 4537.0 5764.7 4957.4
6	PREEMERGENCE (1 DAP) LIBERTY	2.34	SL	32.0 oz/a		POST	106 207 305 404 Mean =	16.2 17.6 20.7 19.8 18.6	4403.6 4803.9 5631.3 5391.1 5057.5
7	PREEMERGENCE (1 DAP) LIBERTY	2.34	SL	64.0 oz/a		POST	107 206 301 406 Mean =	18.3 20.3 18.4 19.3 19.1	4990.7 5524.5 5017.4 5257.6 5197.6
8	PREEMERGENCE (1 DAP) LIBERTY	2.34	SL	96.0 oz/a		POST	108 202 307 402 Mean =	18.2 18.1 17.8 18.6 18.2	4964.0 4937.4 4857.3 5070.8 4957.4

University of Georgia

PEANUT REPONSE TO PPLNT/PRE APPLIED LIBERTY

Trial ID: PE-02-22 Study Dir.: A. FULMER/L. VINCENT
Location: PONDER FARM Investigator: Eric P. Prostko

Part Rated

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

Rating Unit

% = PERCENT

In = INCH

ARM Action Codes $T1 = ([C4] + [C5] + [C6] + [C7] + [C8]) / 5$ $T2 = ([C10] + [C11] + [C12] + [C13] + [C14]) / 5$ $T3 = ([C19] + [C20] + [C21] + [C22] + [C23]) / 5$ $T4 = [C25] * 0.98$ $TY5 = 272.33066667 * [26]$