

University of Georgia

PEANUT RESPONSE TO MILESTONE 3LC (AMINOPYRALID)
 WEED-FREE - YEAR 1
 Trial ID: PE-01B-23 Study Dir.: N. SHAY
 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 Unit	Amt Product to Measure	Diluent	Rep		
							1	2	3
1	PRE MILESTONE 1X	2 LC		7.0 oz/a	5.469 mL/mx	-	101	214	312
2	PRE MILESTONE 1/5THX	2 LC		1.4 oz/a	1.094 mL/mx	-	102	209	310
3	PRE MILESTONE 1/10THX	2 LC		0.7 oz/a	0.5469 mL/mx	-	103	215	319
4	PRE MILESTONE 1/100THX	2 LC		0.07 oz/a	.05469 mL/mx	-	104	211	303
5	PRE MILESTONE NO HERBICIDE	2 LC		0.0 oz/a		-	105	207	304
6	31 DAP MILESTONE 1X	2 LC		7.0 oz/a	5.469 mL/mx	-	106	202	318
7	31 DAP MILESTONE 1/5THX	2 LC		1.4 oz/a	1.094 mL/mx	-	107	208	306
8	31 DAP MILESTONE 1/10THX	2 LC		0.7 oz/a	0.5469 mL/mx	-	108	218	301
9	31 DAP MILESTONE 1/100THX	2 LC		0.07 oz/a	.05469 mL/mx	-	109	203	308
10	31 DAP MILESTONE NO HERBICIDE	2 LC		0.0 oz/a		-	110	220	315
11	57 DAP MILESTONE 1X	2 LC		7.0 oz/a	5.469 mL/mx	-	111	219	316
12	57 DAP MILESTONE 1/5THX	2 LC		1.4 oz/a	1.094 mL/mx	-	112	213	314
13	57 DAP MILESTONE 1/10THX	2 LC		0.7 oz/a	0.5469 mL/mx	-	113	212	302
14	57 DAP MILESTONE 1/100THX	2 LC		0.07 oz/a	.05469 mL/mx	-	114	201	317
15	57 DAP MILESTONE NO HERBICIDE	2 LC		0.0 oz/a		-	115	217	305

Sort Order: Replicate 1

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Trial Comments

MAINTAINED WEED-FREE

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

DIGGING DATE: 09/14/23 (143 DAYS)
HARVEST DATE: 09/21/23
HARVEST MOISTURE: 15.3%
YIELDS ADJUSTED TO 10%
2% YIELD DEDUCTION FOR FM

PLOTS 201/203/209 MISSING DATA DUE TO OFF-TARGET MOVEMENT ISSUES.

SUMMARY:

- 1) GENERALLY, AMINOPYRALID AT ALL RATES AND TIMINGS CAUSED SIGNIFICANT PEANUT INJURY IN THE FORM OF VISUAL STUNTING, LEAF CURL, STEM EPINASTY, LEAF NECROSIS, AND PLANT HEIGHT/WIDTH REDUCTIONS.
- 2) FOR PEANUT YIELD, THERE WAS NO INTERACTION BETWEEN TIME OF APPLICATION AND RATE (P=0.2733). WHEN AVERAGED OVER APPLICATION RATE, TIME OF APPLICATION WAS NOT SIGNIFICANT (P=0.6331). WHEN AVERAGED OVER TIME OF APPLICATION, PEANUT YIELDS WERE **SIGNIFICANTLY** REDUCED BY ALL RATES OF AMINOPYRALID WITH A RATE EFFECT AS FOLLOWS:
 - 7.0 OZ/A (1X) = 100% YIELD LOSS
 - 1.4 OZ/A (1/5X) = 93% YIELD LOSS
 - 0.7 OZ/A (1/10X) = 73% YIELD LOSS
 - 0.07 OZ/A (1/100X) = 16% YIELD LOSS

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 Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: N. SHAY **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.			
2.			
3.			

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.	CORN		2022

MAINTENANCE

Field Prep./Maintenance: 1 TON/A LIME-PREPLANT
 300 LBS/A 5-15-30 - PREPLANT
 THIMET 20G INFR @ 7 LBS/A
 36"-9" TWIN ROW SPACING
 RANCONA VPD SEED TRT
 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-30-23		0.5	IN	SPRINKLER - LATERAL MOVE		
9.	Jun-7-23		0.45	IN	SPRINKLER - LATERAL MOVE		
10.	Jun-7-23		0.5	IN	RAINFALL		
11.	Jun-12-23		0.65	IN	RAINFALL		
12.	Jun-13-23		0.6	IN	RAINFALL		
13.	Jun-14-23		2.0	IN	RAINFALL		
14.	Jun-15-23		2.2	IN	RAINFALL		

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

APPLICATION DESCRIPTION

	A	B	C
Application Date:	Apr-26-23	May-25-23	Jun-20-23
Time of Day:	7:15 AM	7:28 AM	10:23 AM
Application Method:	BROADCAST	BROADCAST	BROADCAST
Application Timing:	PRE	31 DAP	57 DAP
Applic. Placement:	SOIL	FOLIAGE	FOLIAGE
Air Temp., Unit:	63 F	59 F	78 F
% Relative Humidity:	90	84	85
Wind Velocity, Unit:	3 MPH	1 MPH	2 MPH
Dew Presence (Y/N):	N	Y	Y
Water Hardness:	--	--	--
Soil Temp., Unit:	68 F	66 F	82 F
Soil Moisture:	DRY	OPTIMUM	WET
% Cloud Cover:	100	0	40

CROP STAGE AT EACH APPLICATION

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

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WEED STAGE AT EACH APPLICATION			
	A	B	C
Weed 1 Code, Stage:			
Stage Scale:			
Density, Unit:			
Weed 2 Code, Stage:			
Stage Scale:			
Density, Unit:			
Weed 3 Code, Stage:			
Stage Scale:			
Density, Unit:			

APPLICATION EQUIPMENT			
	A	B	C
Appl. Equipment:	BACKPACK	BACKPACK	SAME AS B
Operating Pressure:	36	36	
Nozzle Type:	AIXR	TTI	TTI
Nozzle Size:	11002	11002	11002
Nozzle Spacing, Unit:	20 IN	20 IN	
Nozzles/Row:			
Band Width, Unit:			
Boom Length, Unit:	60 IN	60 IN	
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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Crop Code	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy
Part Rated	Stand	Stunting	Leaf curl	#/5ft	Stunting	STEM, -	Hgt1	Hgt2	Hgt3	Hgt4	Hgt5	
Rating Data Type	#/5ft	%	1-5		%	Epinasty	INCHES	INCHES	INCHES	INCHES	INCHES	
Rating Unit	May-9-23	May-9-23	May-9-23	May-19-23	May-19-23	May-19-23	May-24-23	May-24-23	May-24-23	May-24-23	May-24-23	May-24-23
Rating Date												
Trt Treatment	Form Conc	Form Type	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate
No. Name			Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit
	1	2	3	4	5	6	7	8	9	10	11	
TABLE OF R MEANS												
Replicate 1		9.3	0.97		15.0	26.7						
Replicate 2		11.3	0.88		16.2	26.7						
Replicate 3		8.7	1.13		12.6	26.7						
TABLE OF A (timing) MEANS												
1 PRE		29.3 a	2.98 a		43.8 a	80.0 a						
2 31 DAP		0.0 b	0.00 b		0.0 b	0.0 b						
3 57 DAP		0.0 b	0.00 b		0.0 b	0.0 b						
LSD P=.10		4.18	0.384		5.48	.						
Standard Deviation		5.37	0.493		7.04	0.00						
CV		54.97	49.576		48.28	0.00						
TABLE OF B (rate) MEANS												
1 MILESTONE	2 LC	7.0 oz/a		28.9 a	0.56 bc		32.7 a	33.3 a				
1 1X												
2 MILESTONE	2 LC	1.4 oz/a		8.9 b	1.39 a		23.9 b	33.3 a				
2 1/5THX												
3 MILESTONE	2 LC	0.7 oz/a		6.1 b	1.28 ab		12.2 c	33.3 a				
3 1/10THX												
4 MILESTONE	2 LC	0.07 oz/a		5.0 bc	1.42 a		4.2 d	33.3 a				
4 1/100THX												
5 MILESTONE	2 LC	0.0 oz/a		0.0 c	0.33 c		0.0 d	0.0 b				
5 NO HERBICIDE												
LSD P=.10				6.01	0.730		4.60	.				
Standard Deviation				6.85	0.833		5.25	0.00				
CV				70.07	83.799		36.01	0.00				
TABLE OF A (timing) B (rate) MEANS												
1 PRE			2.7 -	86.7 a	1.67 b	14.3 -	98.0 a	100.0 a	0.00 -	0.00 -	0.00 -	0.00 -
1 MILESTONE	2 LC	7.0 oz/a										
1 1X												
2 31 DAP			.	0.0 d	0.00 c	.	0.0 e	0.0 b	.	.	.	.
1 MILESTONE	2 LC	7.0 oz/a										
1 1X												
3 57 DAP			.	0.0 d	0.00 c	.	0.0 e	0.0 b	.	.	.	.
1 MILESTONE	2 LC	7.0 oz/a										
1 1X												
1 PRE			18.3 -	26.7 b	4.17 a	24.0 -	71.7 b	100.0 a	1.50 -	1.67 -	1.33 -	1.83 -
2 MILESTONE	2 LC	1.4 oz/a										
2 1/5THX												
2 31 DAP			.	0.0 d	0.00 c	.	0.0 e	0.0 b	.	.	.	.
2 MILESTONE	2 LC	1.4 oz/a										
2 1/5THX												
3 57 DAP			.	0.0 d	0.00 c	.	0.0 e	0.0 b	.	.	.	.
2 MILESTONE	2 LC	1.4 oz/a										
2 1/5THX												
1 PRE			21.0 -	18.3 bc	3.83 a	24.0 -	36.7 c	100.0 a	2.33 -	1.83 -	1.83 -	1.83 -
3 MILESTONE	2 LC	0.7 oz/a										
3 1/10THX												

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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Crop Code	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy			
Part Rated	Stand	Stunting	Leaf curl	#/5ft	Stunting	STEM, -	Hgt1	Hgt2	Hgt3	Hgt4	Hgt5				
Rating Data Type	#/5ft	%	1-5		%	Epinasty	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES			
Rating Unit	May-9-23	May-9-23	May-9-23	May-19-23	May-19-23	May-19-23	May-24-23	May-24-23	May-24-23	May-24-23	May-24-23	May-24-23			
Rating Date															
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	1	2	3	4	5	6	7	8	9	10	11
2	31 DAP				.	0.0 d	0.00 c	.	0.0 e	0.0 b	.	.	.	.	.
3	MILESTONE 1/10THX	2 LC		0.7 oz/a											
3	57 DAP				.	0.0 d	0.00 c	.	0.0 e	0.0 b	.	.	.	.	.
3	MILESTONE 1/10THX	2 LC		0.7 oz/a											
1	PRE				17.5 -	15.0 c	4.25 a	23.5 -	12.5 d	100.0 a	3.25 -	3.00 -	3.25 -	3.00 -	3.00 -
4	MILESTONE 1/100THX	2 LC		0.07 oz/a											
2	31 DAP				.	0.0 d	0.00 c	.	0.0 e	0.0 b	.	.	.	.	.
4	MILESTONE 1/100THX	2 LC		0.07 oz/a											
3	57 DAP				.	0.0 d	0.00 c	.	0.0 e	0.0 b	.	.	.	.	.
4	MILESTONE 1/100THX	2 LC		0.07 oz/a											
1	PRE				22.3 -	0.0 d	1.00 bc	26.3 -	0.0 e	0.0 b	3.17 -	2.83 -	3.00 -	3.00 -	3.33 -
5	MILESTONE NO HERBICIDE	2 LC		0.0 oz/a											
2	31 DAP				.	0.0 d	0.00 c	.	0.0 e	0.0 b	.	.	.	.	.
5	MILESTONE NO HERBICIDE	2 LC		0.0 oz/a											
3	57 DAP				.	0.0 d	0.00 c	.	0.0 e	0.0 b	.	.	.	.	.
5	MILESTONE NO HERBICIDE	2 LC		0.0 oz/a											
LSD P=.10					5.81	10.53	1.281	8.48	8.08	.	0.649	0.799	0.679	0.978	0.732
Standard Deviation					3.76	7.32	0.891	5.48	5.62	0.00	0.420	0.516	0.439	0.632	0.473
CV					22.96	74.91	89.585	24.44	38.49	0.00	20.476	27.664	23.318	32.713	25.344

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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Crop Code	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy					
Part Rated	Hgt-AVG	Width1	Width2	Width3	Width4	Width5	Width-AVG	Stunting	Arahy	Arahy	Arahy					
Rating Data Type	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	%	STEM, -	Leaf curl	Necrosis					
Rating Unit	May-24-23	May-24-23	May-24-23	May-24-23	May-24-23	May-24-23	May-24-23	Jun-7-23	%	1-5	%					
Rating Date	May-24-23	May-24-23	May-24-23	May-24-23	May-24-23	May-24-23	May-24-23	May-24-23	Jun-7-23	Jun-7-23	Jun-7-23					
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	12	13	14	15	16	17	18	19	20	21	22
TABLE OF R MEANS																
Replicate 1																
													28.7	33.0	1.57	7.7
Replicate 2																
													25.2	31.8	1.62	7.0
Replicate 3																
													24.7	31.3	1.77	7.0
TABLE OF A (timing) MEANS																
1 PRE																
													51.0 a	38.3 b	1.48 b	3.0 b
2 31 DAP																
													27.5 b	57.8 a	2.47 a	18.7 a
3 57 DAP																
													0.0 c	0.0 c	1.00 c	0.0 c
LSD P=.10																
Standard Deviation																
													4.35	1.36	0.306	2.72
CV																
													5.59	1.75	0.393	3.50
													21.36	5.45	23.796	48.41
TABLE OF B (rate) MEANS																
1 MILESTONE 2 LC 7.0 oz/a																
													56.7 a	32.2 c	1.06 c	22.8 a
1 1X																
2 MILESTONE 2 LC 1.4 oz/a																
													40.6 b	63.3 a	1.61 b	7.2 b
2 1/5THX																
3 MILESTONE 2 LC 0.7 oz/a																
													32.8 c	62.2 b	2.28 a	4.4 bc
3 1/10THX																
4 MILESTONE 2 LC 0.07 oz/a																
													0.8 d	2.5 d	2.42 a	1.7 cd
4 1/100THX																
5 MILESTONE 2 LC 0.0 oz/a																
													0.0 d	0.0 e	0.89 c	0.0 d
5 NO HERBICIDE																
LSD P=.10																
Standard Deviation																
													3.87	0.98	0.272	4.33
CV																
													4.42	1.12	0.311	4.94
													16.88	3.49	18.830	68.46
TABLE OF A (timing) B (rate) MEANS																
1 PRE																
													0.0 -	0.00 -	0.00 -	0.00 -
1 MILESTONE 2 LC 7.0 oz/a																
													100.0 a	0.0 d	0.67 e	0.0 c
1 1X																
2 31 DAP																
													70.0 c	96.7 a	1.50 d	68.3 a
1 MILESTONE 2 LC 7.0 oz/a																
1 1X																
3 57 DAP																
													0.0 e	0.0 d	1.00 e	0.0 c
1 MILESTONE 2 LC 7.0 oz/a																
1 1X																
1 PRE																
													1.5 -	2.67 -	2.33 -	2.00 -
2 MILESTONE 2 LC 1.4 oz/a																
2 1/5THX																
2 31 DAP																
													33.3 d	95.0 a	2.33 c	11.7 b
2 MILESTONE 2 LC 1.4 oz/a																
2 1/5THX																
3 57 DAP																
													0.0 e	0.0 d	1.00 e	0.0 c
2 MILESTONE 2 LC 1.4 oz/a																
2 1/5THX																
1 PRE																
													1.9 -	3.17 -	2.67 -	3.00 -
3 MILESTONE 2 LC 0.7 oz/a																
3 1/10THX																

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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Crop Code			Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy
Part Rated			Hgt-AVG	Width1	Width2	Width3	Width4	Width5	Width-AVG	Stunting	Arahy	Arahy
Rating Data Type			INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	%	STEM, -	Necrosis
Rating Unit			May-24-23	May-24-23	May-24-23	May-24-23	May-24-23	May-24-23	May-24-23	Jun-7-23	Epinasty	Leaf curl
Rating Date			May-24-23	May-24-23	May-24-23	May-24-23	May-24-23	May-24-23	May-24-23	Jun-7-23	%	1-5
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	12	13	14	15	16	17	18
2	31 DAP					.	.	.	.	.	.	.
3	MILESTONE	2 LC		0.7 oz/a		.	.	.	.	.	.	.
3	1/10THX					.	.	.	.	.	.	.
3	57 DAP					.	.	.	.	.	.	.
3	MILESTONE	2 LC		0.7 oz/a		.	.	.	.	.	.	.
3	1/10THX					.	.	.	.	.	.	.
1	PRE					3.1 -	5.50 -	5.00 -	5.50 -	5.50 -	4.75 -	5.3 -
4	MILESTONE	2 LC		0.07 oz/a		.	.	.	.	.	.	.
4	1/100THX					.	.	.	.	.	.	.
2	31 DAP					.	.	.	.	.	.	.
4	MILESTONE	2 LC		0.07 oz/a		.	.	.	.	.	.	.
4	1/100THX					.	.	.	.	.	.	.
3	57 DAP					.	.	.	.	.	.	.
4	MILESTONE	2 LC		0.07 oz/a		.	.	.	.	.	.	.
4	1/100THX					.	.	.	.	.	.	.
1	PRE					3.1 -	4.67 -	5.50 -	5.83 -	5.33 -	5.17 -	5.3 -
5	MILESTONE	2 LC		0.0 oz/a		.	.	.	.	.	.	.
5	NO HERBICIDE					.	.	.	.	.	.	.
2	31 DAP					.	.	.	.	.	.	.
5	MILESTONE	2 LC		0.0 oz/a		.	.	.	.	.	.	.
5	NO HERBICIDE					.	.	.	.	.	.	.
3	57 DAP					.	.	.	.	.	.	.
5	MILESTONE	2 LC		0.0 oz/a		.	.	.	.	.	.	.
5	NO HERBICIDE					.	.	.	.	.	.	.
LSD P=.10						0.60	0.806	0.465	0.931	1.094	1.534	0.52
Standard Deviation						0.39	0.521	0.301	0.602	0.707	0.992	0.34
CV						20.28	16.281	9.703	18.416	20.595	31.151	10.39

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 MILESTONE 3LC (AMINOPYRALID) WEED-FREE - YEAR 1 Trial ID: PE-01B-23 Study Dir.: N. SHAY Location: PONDER FARM Investigator: Eric P. Prostko																
Crop Code	Araht	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY			
Part Rated	Hgt1	Hg2	Hg3	Hg4	Hg5	PLANT, -	Wth1	Wth2	Wth3	Wt4	Wth5	PLANT, -	WDTH-AVG			
Rating Data Type	In	IN	IN	IN	IN	HGT-AVG	IN	IN	IN	IN	IN	IN	IN			
Rating Unit	Jun-7-23	Jun-7-23	Jun-7-23	Jun-7-23	Jun-7-23	Jun-7-23	Jun-7-23	Jun-7-23	Jun-7-23	Jun-7-23	Jun-7-23	Jun-7-23	Jun-7-23			
Rating Date	Jun-7-23	Jun-7-23	Jun-7-23	Jun-7-23	Jun-7-23	Jun-7-23	Jun-7-23	Jun-7-23	Jun-7-23	Jun-7-23	Jun-7-23	Jun-7-23	Jun-7-23			
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	23	24	25	26	27	28	29	30	31	32	33	34
TABLE OF R MEANS																
Replicate 1																
		2.55	2.85	2.65	2.95	2.85	2.8	4.80	5.00	5.20	5.40	5.30	5.1			
Replicate 2																
		3.03	3.33	2.90	2.98	3.13	3.1	4.75	4.63	4.98	5.43	4.75	4.9			
Replicate 3																
		3.15	3.15	3.10	3.00	3.10	3.1	4.80	4.85	5.10	5.20	4.90	5.0			
TABLE OF A (timing) MEANS																
1 PRE																
		2.42 b	2.57 b	2.25 b	2.47 b	2.60 b	2.5 b	4.07 -	3.88 b	4.47 -	4.40 b	4.10 b	4.2 b			
2 31 DAP																
		3.40 a	3.65 a	3.52 a	3.48 a	3.45 a	3.5 a	5.50 -	5.77 a	5.72 -	6.28 a	5.87 a	5.8 a			
3 57 DAP																
				
LSD P=.10																
		0.416	0.633	0.542	0.212	0.513	0.37	1.566	0.819	1.357	1.401	0.542	0.71			
Standard Deviation																
		0.390	0.593	0.508	0.199	0.481	0.35	1.469	0.768	1.272	1.314	0.508	0.67			
CV																
		13.409	19.090	17.628	6.688	15.897	11.67	30.713	15.914	24.988	24.603	10.199	13.38			
TABLE OF B (rate) MEANS																
1 MILESTONE 2 LC 7.0 oz/a																
		1.25 c	1.33 d	1.00 d	0.92 c	1.17 e	1.1 e	2.58 d	2.25 d	2.33 c	2.42 d	2.25 d	2.4 e			
1 1X																
2 MILESTONE 2 LC 1.4 oz/a																
		2.33 b	2.08 c	2.00 c	2.00 b	1.92 d	2.1 d	3.50 c	3.58 c	3.50 b	3.75 c	3.75 c	3.6 d			
2 1/5THX																
3 MILESTONE 2 LC 0.7 oz/a																
		2.33 b	2.75 b	2.25 c	2.42 b	2.42 c	2.4 c	3.83 c	3.92 c	4.00 b	4.25 c	4.00 c	4.0 c			
3 1/10THX																
4 MILESTONE 2 LC 0.07 oz/a																
		4.38 a	4.63 a	4.25 b	4.63 a	4.63 b	4.5 b	6.50 b	6.38 b	7.63 a	7.63 b	6.75 b	7.0 b			
4 1/100THX																
5 MILESTONE 2 LC 0.0 oz/a																
		4.25 a	4.75 a	4.92 a	4.92 a	5.00 a	4.8 a	7.50 a	8.00 a	8.00 a	8.67 a	8.17 a	8.1 a			
5 NO HERBICIDE																
LSD P=.10																
		0.376	0.419	0.356	0.495	0.240	0.24	0.650	0.728	0.768	0.614	0.534	0.37			
Standard Deviation																
		0.429	0.478	0.406	0.565	0.274	0.27	0.742	0.830	0.876	0.700	0.609	0.42			
CV																
		14.764	15.366	14.070	18.977	9.053	9.01	15.504	17.211	17.208	13.113	12.220	8.44			
TABLE OF A (timing) B (rate) MEANS																
1 PRE																
		0.00 -	0.00 e	0.00 e	0.00 e	0.00 e	0.0 e	0.00 d	0.00 f	0.00 e	0.00 e	0.00 g	0.0 g			
1 MILESTONE 2 LC 7.0 oz/a																
		1X														
2 31 DAP																
		2.50 -	2.67 bc	2.00 c	1.83 c	2.33 bc	2.3 c	5.17 b	4.50 cd	4.67 c	4.83 c	4.50 e	4.7 d			
1 MILESTONE 2 LC 7.0 oz/a																
		1X														
3 57 DAP																
				
1 MILESTONE 2 LC 7.0 oz/a																
		1X														
1 PRE																
		1.83 -	1.33 d	1.00 d	1.17 d	1.33 d	1.3 d	2.17 c	1.83 ef	2.33 d	2.33 d	2.17 f	2.2 f			
2 MILESTONE 2 LC 1.4 oz/a																
		2/5THX														
2 31 DAP																
		2.83 -	2.83 bc	3.00 b	2.83 b	2.50 bc	2.8 b	4.83 b	5.33 c	4.67 c	5.17 c	5.33 de	5.1 d			
2 MILESTONE 2 LC 1.4 oz/a																
		2/5THX														
3 57 DAP																
				
2 MILESTONE 2 LC 1.4 oz/a																
		2/5THX														
1 PRE																
		1.67 -	2.17 c	1.33 cd	1.67 cd	1.83 cd	1.7 d	2.67 c	2.83 de	3.00 d	3.00 d	3.00 f	2.9 e			
3 MILESTONE 2 LC 0.7 oz/a																
		1/10THX														

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 MILESTONE 3LC (AMINOPYRALID) WEED-FREE - YEAR 1 Trial ID: PE-01B-23 Study Dir.: N. SHAY Location: PONDER FARM Investigator: Eric P. Prostko																
Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Araht	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	23	24	25	26	27	28	29	30	31	32	33	34
					Hgt1 In Jun-7-23	Hg2 IN Jun-7-23	Hg3 IN Jun-7-23	Hg4 IN Jun-7-23	Hg5 IN Jun-7-23	PLANT, - HGT-AVG IN Jun-7-23	Wth1 IN Jun-7-23	Wth2 IN Jun-7-23	Wth3 IN Jun-7-23	Wt4 IN Jun-7-23	Wth5 IN Jun-7-23	PLANT, - WDTH-AVG IN Jun-7-23
2	31 DAP				3.00 -	3.33 b	3.17 b	3.17 b	3.00 b	3.1 b	5.00 b	5.00 c	5.00 c	5.50 c	5.00 e	5.1 d
3	MILESTONE 1/10THX	2 LC		0.7 oz/a												
3	57 DAP				.	.	.	.	.	.	.	.	.	.	.	.
3	MILESTONE 1/10THX	2 LC		0.7 oz/a												
1	PRE				4.25 -	4.50 a	4.25 a	4.50 a	4.50 a	4.4 a	6.50 b	6.25 bc	8.50 a	7.50 b	7.00 bc	7.2 bc
4	MILESTONE 1/100THX	2 LC		0.07 oz/a												
2	31 DAP				4.50 -	4.75 a	4.25 a	4.75 a	4.75 a	4.6 a	6.50 b	6.50 abc	6.75 b	7.75 b	6.50 cd	6.8 c
4	MILESTONE 1/100THX	2 LC		0.07 oz/a												
3	57 DAP				.	.	.	.	.	.	.	.	.	.	.	.
4	MILESTONE 1/100THX	2 LC		0.07 oz/a												
1	PRE				4.33 -	4.83 a	4.67 a	5.00 a	5.33 a	4.8 a	9.00 a	8.50 a	8.50 a	9.17 a	8.33 a	8.7 a
5	MILESTONE NO HERBICIDE	2 LC		0.0 oz/a												
2	31 DAP				4.17 -	4.67 a	5.17 a	4.83 a	4.67 a	4.7 a	6.00 b	7.50 ab	7.50 ab	8.17 ab	8.00 ab	7.4 b
5	MILESTONE NO HERBICIDE	2 LC		0.0 oz/a												
3	57 DAP				.	.	.	.	.	.	.	.	.	.	.	.
5	MILESTONE NO HERBICIDE	2 LC		0.0 oz/a												
LSD P=.10					1.400	0.682	0.931	0.642	0.901	0.51	1.824	2.019	1.210	1.079	1.194	0.55
Standard Deviation					0.883	0.430	0.587	0.405	0.568	0.32	1.150	1.273	0.763	0.680	0.753	0.35
CV					30.351	13.827	20.355	13.608	18.765	10.68	24.039	26.375	14.982	12.731	15.106	6.98

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 MILESTONE 3LC (AMINOPYRALID)
 WEED-FREE - YEAR 1
 Trial ID: PE-01B-23 Study Dir.: N. SHAY
 Location: PONDER FARM Investigator: Eric P. Prostko

Crop Code	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	ARAHY	Arahy	Arahy		
Part Rated	Stunting	Leaf curl	STEM, -	Necrosis	Ht1	Ht2	Ht3	Ht4	Ht5	HGT-AVG	PLANT, -	Wt1	Wt2		
Rating Data Type	%	1-5	Epinasty	%	In	In	In	In	In	IN	IN	In	In		
Rating Unit	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23		
Rating Date	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23		
Trt Treatment	Form	Form	Rate												
No. Name	Conc	Type	Rate Unit	35	36	37	38	39	40	41	42	43	44	45	46
TABLE OF R MEANS															
Replicate 1	44.0	1.77	20.3	11.0	5.03	5.27	5.83	5.37	5.50	5.4	18.80	16.60			
Replicate 2	43.9	1.32	19.0	12.0	5.15	5.62	5.43	5.32	5.43	5.4	19.07	16.87			
Replicate 3	41.0	1.57	18.3	11.2	5.73	5.90	6.27	5.63	5.67	5.8	19.37	17.10			
TABLE OF A (timing) MEANS															
1 PRE	55.2 a	1.10 b	4.0 b	1.0 b	4.70 -	5.12 -	5.25 b	4.62 -	5.17 -	5.0 b	15.77 c	15.87 b			
2 31 DAP	57.4 a	1.90 a	26.3 a	2.7 b	5.47 -	5.80 -	5.82 ab	5.53 -	5.23 -	5.6 ab	17.80 b	15.07 b			
3 57 DAP	16.3 b	1.65 a	27.3 a	30.5 a	5.75 -	5.87 -	6.47 a	6.17 -	6.20 -	6.1 a	23.67 a	19.63 a			
LSD P=.10	3.11	0.444	9.97	1.80	0.991	0.648	0.858	1.206	0.924	0.66	1.603	1.620			
Standard Deviation	3.99	0.570	12.80	2.32	1.274	0.832	1.102	1.550	1.187	0.84	2.059	2.081			
CV	9.29	36.780	66.60	20.32	24.006	14.881	18.852	28.492	21.447	15.20	10.792	12.346			
TABLE OF B (rate) MEANS															
1 MILESTONE	2 LC	7.0 oz/a	66.6 b	0.00 c	0.0 c	33.1 a	0.00 d	0.00 d	0.00 d	0.00 e	0.00 e	0.0 e	0.00 d	0.00 e	
1 1X															
2 MILESTONE	2 LC	1.4 oz/a	75.0 a	2.72 ab	52.2 a	13.9 b	3.44 c	3.44 c	3.28 c	2.83 d	2.83 d	3.2 d	10.39 c	8.56 d	
2 1/5THX															
3 MILESTONE	2 LC	0.7 oz/a	66.7 b	2.94 a	42.2 b	10.0 c	3.72 c	4.61 c	5.11 b	4.78 c	3.89 c	4.4 c	13.00 b	14.39 c	
3 1/10THX															
4 MILESTONE	2 LC	0.07 oz/a	6.7 c	2.08 b	1.7 c	0.0 d	8.92 b	9.08 b	10.00 a	8.92 b	9.83 b	9.4 b	36.00 a	27.33 b	
4 1/100THX															
5 MILESTONE	2 LC	0.0 oz/a	0.0 d	0.00 c	0.0 c	0.0 d	10.44 a	10.83 a	10.83 a	10.67 a	11.11 a	10.8 a	36.00 a	34.00 a	
5 NO HERBICIDE															
LSD P=.10	3.03	0.778	6.43	2.80	1.020	1.569	1.091	1.113	0.811	0.82	1.102	3.457			
Standard Deviation	3.46	0.887	7.33	3.19	1.163	1.790	1.245	1.270	0.925	0.94	1.257	3.943			
CV	8.04	57.227	38.14	27.98	21.922	31.996	21.302	23.342	16.716	16.88	6.590	23.395			
TABLE OF A (timing) B (rate) MEANS															
1 PRE			100.0 a	0.00 e	0.0 c	0.0 f	0.00 -	0.00 -	0.00 -	0.00 h	0.00 g	0.0 f	0.00 e	0.00 g	
1 MILESTONE	2 LC	7.0 oz/a													
1 1X															
2 31 DAP			99.7 a	0.00 e	0.0 c	0.0 f	0.00 -	0.00 -	0.00 -	0.00 h	0.00 g	0.0 f	0.00 e	0.00 g	
1 MILESTONE	2 LC	7.0 oz/a													
1 1X															
3 57 DAP			0.0 f	0.00 e	0.0 c	99.3 a	0.00 -	0.00 -	0.00 -	0.00 h	0.00 g	0.0 f	0.00 e	0.00 g	
1 MILESTONE	2 LC	7.0 oz/a													
1 1X															
1 PRE			96.7 a	2.50 cd	11.7 c	1.7 ef	1.67 -	2.00 -	1.83 -	0.83 h	1.17 fg	1.5 e	1.83 e	1.67 fg	
2 MILESTONE	2 LC	1.4 oz/a													
2 1/5THX															
2 31 DAP			88.3 b	3.67 ab	65.0 ab	5.0 de	4.17 -	4.00 -	3.33 -	2.83 g	2.33 ef	3.3 d	5.33 d	4.33 f	
2 MILESTONE	2 LC	1.4 oz/a													
2 1/5THX															
3 57 DAP			40.0 d	2.00 d	80.0 a	35.0 b	4.50 -	4.33 -	4.67 -	4.83 ef	5.00 d	4.7 c	24.00 b	19.67 d	
2 MILESTONE	2 LC	1.4 oz/a													
2 1/5THX															
1 PRE			76.7 c	3.00 bc	8.3 c	3.3 ef	4.00 -	4.33 -	4.00 -	3.67 fg	3.00 e	3.8 cd	5.00 d	10.67 e	
3 MILESTONE	2 LC	0.7 oz/a													
3 1/10THX															

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 MILESTONE 3LC (AMINOPYRALID) WEED-FREE - YEAR 1 Trial ID: PE-01B-23 Study Dir.: N. SHAY Location: PONDER FARM Investigator: Eric P. Prostko																	
Crop Code			Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy				
Part Rated			Stunting	Leaf curl	STEM, -	Necrosis	Ht1	Ht2	Ht3	Ht4	Ht5	ARAHY	Wt1	Wt2			
Rating Data Type			%	1-5	Epinasty	%	In	In	In	In	In	PLANT, -	In	In			
Rating Unit			Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	HGT-AVG	IN	IN			
Rating Date			Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	35	36	37	38	39	40	41	42	43	44	45	46
2	31 DAP					86.7 b	3.83 ab	66.7 ab	8.3 d	2.83 -	4.50 -	5.67 -	5.33 e	3.67 de	4.4 cd	11.67 c	9.50 e
3	MILESTONE 1/10THX	2 LC		0.7 oz/a													
3	57 DAP					36.7 d	2.00 d	51.7 b	18.3 c	4.33 -	5.00 -	5.67 -	5.33 e	5.00 d	5.1 c	22.33 b	23.00 cd
3	MILESTONE 1/10THX	2 LC		0.7 oz/a													
1	PRE					2.5 f	0.00 e	0.0 c	0.0 f	8.50 -	8.25 -	9.25 -	8.75 cd	10.00 b	9.0 b	36.00 a	33.00 ab
4	MILESTONE 1/100THX	2 LC		0.07 oz/a													
2	31 DAP					12.5 e	2.00 d	0.0 c	0.0 f	9.00 -	9.00 -	9.25 -	8.00 d	8.50 c	8.8 b	36.00 a	25.50 c
4	MILESTONE 1/100THX	2 LC		0.07 oz/a													
3	57 DAP					5.0 f	4.25 a	5.0 c	0.0 f	9.25 -	10.00 -	11.50 -	10.00 bc	11.00 ab	10.4 a	36.00 a	23.50 c
4	MILESTONE 1/100THX	2 LC		0.07 oz/a													
1	PRE					0.0 f	0.00 e	0.0 c	0.0 f	9.33 -	11.00 -	11.17 -	9.83 bc	11.67 a	10.6 a	36.00 a	34.00 ab
5	MILESTONE NO HERBICIDE	2 LC		0.0 oz/a													
2	31 DAP					0.0 f	0.00 e	0.0 c	0.0 f	11.33 -	11.50 -	10.83 -	11.50 a	11.67 a	11.4 a	36.00 a	36.00 a
5	MILESTONE NO HERBICIDE	2 LC		0.0 oz/a													
3	57 DAP					0.0 f	0.00 e	0.0 c	0.0 f	10.67 -	10.00 -	10.50 -	10.67 ab	10.00 b	10.4 a	36.00 a	32.00 b
5	MILESTONE NO HERBICIDE	2 LC		0.0 oz/a													
LSD P=.10						7.08	0.882	23.56	4.17	1.913	2.216	1.723	1.335	1.413	1.27	2.924	3.710
Standard Deviation						4.90	0.610	16.29	2.88	1.323	1.533	1.191	0.924	0.978	0.88	2.022	2.566
CV						11.39	39.361	84.75	25.29	24.940	27.394	20.384	16.981	17.666	15.87	10.599	15.221

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 MILESTONE 3LC (AMINOPYRALID) WEED-FREE - YEAR 1 Trial ID: PE-01B-23 Study Dir.: N. SHAY Location: PONDER FARM Investigator: Eric P. Prostko												
Crop Code	Arahy	Arahy	Arahy	ARAHY	Arahy	Arahy	Arahy	Arahy	Arahy	ARAHY	ARAHY	ARAHY
Part Rated	Wt3	Wt4	Wt5	PLANT, -	Hgt1	Hgt2	Hgt3	Hgt4	Hgt5	PLANT, -	DIRTY, -	
Rating Data Type	In	In	In	WDTH-AVG	In	In	In	In	In	HGT-AVG	YIELD	
Rating Unit				IN						IN	LBS/PLOT	
Rating Date	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Aug-11-23	Aug-11-23	Aug-11-23	Aug-11-23	Aug-11-23	Aug-11-23	Sep-21-23	
Trt Treatment	Form	Form	Rate									
No. Name	Conc	Type	Rate	Unit								
	47	48	49	50	51	52	53	54	55	56	57	
TABLE OF R MEANS												
Replicate 1	17.50	17.87	18.10	17.8	8.37	8.43	9.27	8.78	8.72	8.8	7.9	
Replicate 2	19.77	20.27	17.17	18.6	8.87	8.55	8.27	9.00	8.60	8.7	9.2	
Replicate 3	19.83	20.53	19.20	19.2	9.87	9.57	10.27	9.62	9.55	9.8	10.3	
TABLE OF A (timing) MEANS												
1 PRE	17.30 b	17.73 b	17.10 b	16.8 b	8.37 b	8.63 -	8.77 -	8.45 -	8.67 -	8.6 b	8.9 -	
2 31 DAP	18.20 b	17.30 b	14.77 b	16.6 b	9.93 a	9.15 -	10.20 -	9.67 -	9.32 -	9.7 a	9.3 -	
3 57 DAP	21.60 a	23.63 a	22.60 a	22.2 a	8.80 b	8.77 -	8.83 -	9.28 -	8.88 -	8.9 b	9.1 -	
LSD P=.10	1.708	2.379	3.272	1.46	0.867	0.911	1.289	1.336	1.161	0.72	0.88	
Standard Deviation	2.195	3.056	4.203	1.87	1.114	1.171	1.656	1.716	1.491	0.92	1.14	
CV	11.531	15.627	23.149	10.11	12.335	13.230	17.868	18.792	16.653	10.16	12.45	
TABLE OF B (rate) MEANS												
1 MILESTONE 1X	2 LC	7.0 oz/a	0.00 d	0.00 d	0.00 c	0.0 e	0.00 e	0.00 e	0.00 d	0.00 e	0.0 e	0.0 d
2 MILESTONE 1/5THX	2 LC	1.4 oz/a	10.94 c	11.72 c	11.83 b	10.7 d	4.94 d	4.33 d	5.11 c	4.36 d	4.75 d	4.8 d
3 MILESTONE 1/10THX	2 LC	0.7 oz/a	14.72 b	16.06 b	14.22 b	14.5 c	7.67 c	7.33 c	8.50 b	8.89 c	8.28 c	8.1 c
4 MILESTONE 1/100THX	2 LC	0.07 oz/a	33.50 a	34.00 a	32.17 a	32.6 b	15.00 b	15.08 b	15.67 a	15.00 b	15.00 b	15.2 b
5 MILESTONE NO HERBICIDE	2 LC	0.0 oz/a	36.00 a	36.00 a	32.56 a	34.9 a	17.56 a	17.50 a	17.06 a	17.42 a	16.75 a	17.3 a
LSD P=.10	2.568	2.919	3.206	2.15	1.828	1.786	1.959	1.526	1.366	1.58	2.79	
Standard Deviation	2.930	3.330	3.658	2.45	2.085	2.038	2.235	1.741	1.558	1.80	3.18	
CV	15.394	17.031	20.147	13.20	23.081	23.024	24.113	19.064	17.397	19.89	34.86	
TABLE OF A (timing) B (rate) MEANS												
1 PRE			0.00 f	0.00 f	0.00 d	0.0 f	0.00 -	0.00 -	0.00 -	0.00 -	0.0 -	0.0 -
1 MILESTONE 1X	2 LC	7.0 oz/a										
2 31 DAP			0.00 f	0.00 f	0.00 d	0.0 f	0.00 -	0.00 -	0.00 -	0.00 -	0.0 -	0.0 -
1 MILESTONE 1X	2 LC	7.0 oz/a										
3 57 DAP			0.00 f	0.00 f	0.00 d	0.0 f	0.00 -	0.00 -	0.00 -	0.00 -	0.0 -	0.0 -
1 MILESTONE 1X	2 LC	7.0 oz/a										
1 PRE			2.17 f	5.83 e	6.50 cd	3.6 e	4.00 -	2.50 -	3.67 -	3.00 -	2.67 -	3.2 -
2 MILESTONE 1/5THX	2 LC	1.4 oz/a										
2 31 DAP			9.00 e	8.00 de	4.67 cd	6.3 e	6.83 -	5.67 -	6.17 -	5.75 -	6.75 -	6.6 -
2 MILESTONE 1/5THX	2 LC	1.4 oz/a										
3 57 DAP			21.67 c	21.33 c	24.33 b	22.2 c	4.00 -	4.83 -	5.50 -	4.33 -	4.83 -	4.7 -
2 MILESTONE 1/5THX	2 LC	1.4 oz/a										
1 PRE			12.33 d	10.83 d	10.67 c	9.9 d	7.67 -	8.33 -	8.67 -	9.33 -	8.00 -	8.4 -
3 MILESTONE 1/10THX	2 LC	0.7 oz/a										

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 MILESTONE 3LC (AMINOPYRALID) WEED-FREE - YEAR 1 Trial ID: PE-01B-23 Study Dir.: N. SHAY Location: PONDER FARM Investigator: Eric P. Prostko															
Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Arahy	Arahy	Arahy	ARAHY PLANT, -	Arahy	Arahy	Arahy	Arahy	ARAHY PLANT, -	ARAHY DIRTY, -	
					Wt3	Wt4	Wt5	WIDTH-AVG	Hgt1	Hgt2	Hgt3	Hgt4	Hgt5	HGT-AVG	YIELD
					In	In	In	IN	In	In	In	In	In	IN	LBS/PLOT
					Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Aug-11-23	Aug-11-23	Aug-11-23	Aug-11-23	Aug-11-23	Aug-11-23	Sep-21-23
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	47	48	49	50	51	52	53	54	55	56	57
2	31 DAP				10.00 de	12.50 d	8.00 c	10.3 d	7.33 -	7.67 -	9.67 -	7.50 -	7.50 -	7.9 -	4.1 -
3	MILESTONE 1/10THX	2 LC		0.7 oz/a											
3	57 DAP				21.83 c	24.83 c	24.00 b	23.2 c	8.00 -	6.00 -	7.17 -	9.83 -	9.33 -	8.1 -	6.3 -
3	MILESTONE 1/10THX	2 LC		0.7 oz/a											
1	PRE				36.00 a	36.00 a	36.00 a	35.4 a	14.50 -	15.00 -	14.50 -	14.25 -	16.00 -	14.9 -	18.8 -
4	MILESTONE 1/100THX	2 LC		0.07 oz/a											
2	31 DAP				36.00 a	30.00 b	30.50 ab	31.6 b	16.50 -	15.25 -	17.50 -	15.25 -	15.00 -	15.9 -	16.6 -
4	MILESTONE 1/100THX	2 LC		0.07 oz/a											
3	57 DAP				28.50 b	36.00 a	30.00 ab	30.8 b	14.00 -	15.00 -	15.00 -	15.50 -	14.00 -	14.7 -	17.2 -
4	MILESTONE 1/100THX	2 LC		0.07 oz/a											
1	PRE				36.00 a	36.00 a	32.33 a	34.9 a	15.67 -	17.33 -	17.00 -	15.67 -	16.67 -	16.5 -	18.5 -
5	MILESTONE NO HERBICIDE	2 LC		0.0 oz/a											
2	31 DAP				36.00 a	36.00 a	30.67 ab	34.9 a	19.00 -	17.17 -	17.67 -	19.83 -	17.33 -	18.2 -	23.3 -
5	MILESTONE NO HERBICIDE	2 LC		0.0 oz/a											
3	57 DAP				36.00 a	36.00 a	34.67 a	34.9 a	18.00 -	18.00 -	16.50 -	16.75 -	16.25 -	17.1 -	20.9 -
5	MILESTONE NO HERBICIDE	2 LC		0.0 oz/a											
LSD P=.10					2.982	4.844	7.516	2.81	2.483	3.764	3.032	2.449	2.624	2.34	3.32
Standard Deviation					2.062	3.350	5.198	1.95	1.706	2.586	2.083	1.670	1.789	1.59	2.29
CV					10.835	17.129	28.630	10.50	18.885	29.224	22.483	18.288	19.979	17.56	25.15

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 MILESTONE 3LC (AMINOPYRALID) WEED-FREE - YEAR 1			
Trial ID:	PE-01B-23	Study Dir.:	N. SHAY
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	ARAHY CLEAN, - YIELD LBS/PLOT Sep-21-23	ARAHY CLEAN, - YIELD LBS/A Sep-21-23
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	58	59
TABLE OF R MEANS						
Replicate 1					7.7	2118
Replicate 2					9.0	2460
Replicate 3					10.1	2752
TABLE OF A (timing) MEANS						
1	PRE				8.7 -	2385 -
2	31 DAP				9.1 -	2498 -
3	57 DAP				9.0 -	2446 -
LSD P=.10					0.87	236.9
Standard Deviation					1.11	304.3
CV					12.45	12.5
TABLE OF B (rate) MEANS						
1	MILESTONE	2 LC	7.0 oz/a		0.0 d	0 d
1	1X					
2	MILESTONE	2 LC	1.4 oz/a		1.5 d	402 d
2	1/5THX					
3	MILESTONE	2 LC	0.7 oz/a		5.6 c	1527 c
3	1/10THX					
4	MILESTONE	2 LC	0.07 oz/a		17.2 b	4696 b
4	1/100THX					
5	MILESTONE	2 LC	0.0 oz/a		20.5 a	5592 a
5	NO HERBICIDE					
LSD P=.10					2.73	746.6
Standard Deviation					3.12	851.7
CV					34.86	34.9
TABLE OF A (timing) B (rate) MEANS						
1	PRE				0.0 -	0 -
1	MILESTONE	2 LC	7.0 oz/a			
1	1X					
2	31 DAP				0.0 -	0 -
1	MILESTONE	2 LC	7.0 oz/a			
1	1X					
3	57 DAP				0.0 -	0 -
1	MILESTONE	2 LC	7.0 oz/a			
1	1X					
1	PRE				0.5 -	143 -
2	MILESTONE	2 LC	1.4 oz/a			
2	1/5THX					
2	31 DAP				2.6 -	705 -
2	MILESTONE	2 LC	1.4 oz/a			
2	1/5THX					
3	57 DAP				1.3 -	357 -
2	MILESTONE	2 LC	1.4 oz/a			
2	1/5THX					
1	PRE				6.6 -	1803 -
3	MILESTONE	2 LC	0.7 oz/a			
3	1/10THX					

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 MILESTONE 3LC (AMINOPYRALID)
 WEED-FREE - YEAR 1
 Trial ID: PE-01B-23 Study Dir.: N. SHAY
 Location: PONDER FARM Investigator: Eric P. Prostko

				ARAHY	ARAHY
				CLEAN, -	CLEAN, -
				YIELD	YIELD
				LBS/PLOT	LBS/A
				Sep-21-23	Sep-21-23
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	
				58	59
2	31 DAP			4.0 -	1098 -
3	MILESTONE	2 LC	0.7 oz/a		
3	1/10THX				
3	57 DAP			6.1 -	1678 -
3	MILESTONE	2 LC	0.7 oz/a		
3	1/10THX				
1	PRE			18.4 -	5035 -
4	MILESTONE	2 LC	0.07 oz/a		
4	1/100THX				
2	31 DAP			16.3 -	4446 -
4	MILESTONE	2 LC	0.07 oz/a		
4	1/100THX				
3	57 DAP			16.9 -	4607 -
4	MILESTONE	2 LC	0.07 oz/a		
4	1/100THX				
1	PRE			18.1 -	4946 -
5	MILESTONE	2 LC	0.0 oz/a		
5	NO HERBICIDE				
2	31 DAP			22.8 -	6241 -
5	MILESTONE	2 LC	0.0 oz/a		
5	NO HERBICIDE				
3	57 DAP			20.4 -	5589 -
5	MILESTONE	2 LC	0.0 oz/a		
5	NO HERBICIDE				
LSD P=.10				3.25	888.5
Standard Deviation				2.25	614.5
CV				25.15	25.2

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 MILESTONE 3LC (AMINOPYRALID) WEED-FREE - YEAR 1			
Trial ID:	PE-01B-23	Study Dir.:	N. SHAY
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Randomized Complete Block (RCB) AOV For Arahay Stand #/5ft May-9-23 (Data Column 1) Missing factor A levels prevents analyzing column 1 as Factorial (RCB) design; Missing values in column 1 results in unbalanced data, Least Squares Analysis is preferred; Too many missing data values in column 1 to print Complete Factorial AOV Table

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	13	934.233333			
Replicate	2	85.633333	42.816667	3.032	0.1126
Treatment	4	749.733333	187.433333	13.271	0.0022
ERROR	7	98.866667	14.123810		

COMPLETE FACTORIAL AOV For Arahay Stunting % May-9-23 (Data Column 2) Missing values in column 2 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	42	23347.777778				
R	2	57.777778	28.888889	0.538	0.5953	
A	2	8604.444444	4302.222222	148.923	0.0002	4.2
RA	4	115.555556	28.888889			
B	4	4481.111111	1120.277778	23.864	0.0002	6.0
RB	8	375.555556	46.944444			
AB	8	8962.222222	1120.277778	20.881	0.0001	10.5
RAB	14	751.111111	53.650794			

COMPLETE FACTORIAL AOV For Arahay LeaF curl 1-5 May-9-23 (Data Column 3) Missing values in column 3 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	42	135.311111				
R	2	0.486111	0.243056	0.306	0.7410	
A	2	89.002778	44.501389	183.091	0.0001	0.38
RA	4	0.972222	0.243056			
B	4	9.394444	2.348611	3.382	0.0670	0.73
RB	8	5.555556	0.694444			
AB	8	18.788889	2.348611	2.959	0.0365	1.28
RAB	14	11.111111	0.793651			

Randomized Complete Block (RCB) AOV For Arahay #/5ft May-19-23 (Data Column 4) Missing factor A levels prevents analyzing column 4 as Factorial (RCB) design; Missing values in column 4 results in unbalanced data, Least Squares Analysis is preferred; Too many missing data values in column 4 to print Complete Factorial AOV Table

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	13	552.433333			
Replicate	2	81.433333	40.716667	1.355	0.3182
Treatment	4	260.600000	65.150000	2.168	0.1750
ERROR	7	210.400000	30.057143		

COMPLETE FACTORIAL AOV For Arahay Stunting % May-19-23 (Data Column 5) Missing values in column 5 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	42	40104.644444				
R	2	99.211111	49.605556	1.573	0.2419	
A	2	19155.211111	9577.605556	193.075	0.0001	5.5
RA	4	198.422222	49.605556			
B	4	6663.200000	1665.800000	60.373	0.0001	4.6
RB	8	220.733333	27.591667			
AB	8	13326.400000	1665.800000	52.827	0.0001	8.1
RAB	14	441.466667	31.533333			

COMPLETE FACTORIAL AOV For Arahay STEM Epinasty % May-19-23 (Data Column 6) Missing values in column 6 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	88000.000000				
R	2	0.000000	0.000000	0.000	1.0000	
A	2	64000.000000	32000.000000	0.000	1.0000	
RA	4	0.000000	0.000000			
B	4	8000.000000	2000.000000	0.000	1.0000	
RB	8	0.000000	0.000000			
AB	8	16000.000000	2000.000000	0.000	1.0000	
RAB	13	0.000000	0.000000			

Randomized Complete Block (RCB) AOV For Arahay Hgt1 INCHES May-24-23 (Data Column 7) Missing factor A levels prevents analyzing column 7 as Factorial (RCB) design; Missing values in column 7 results in unbalanced data, Least Squares Analysis is preferred; Too many missing data values in column 7 to print Complete Factorial AOV Table

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	13	23.275000			
Replicate	2	0.225000	0.112500	0.639	0.5563
Treatment	4	21.816667	5.454167	30.956	0.0002
ERROR	7	1.233333	0.176190		

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 MILESTONE 3LC (AMINOPYRALID) WEED-FREE - YEAR 1			
Trial ID:	PE-01B-23	Study Dir.:	N. SHAY
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Randomized Complete Block (RCB) AOV For Arahy Hgt2 INCHES May-24-23 (Data Column 8) Missing factor A levels prevents analyzing column 8 as Factorial (RCB) design; Missing values in column 8 results in unbalanced data, Least Squares Analysis is preferred; Too many missing data values in column 8 to print Complete Factorial AOV Table					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	13	19.233333			
Replicate	2	0.133333	0.066667	0.250	0.7855
Treatment	4	17.233333	4.308333	16.156	0.0012
ERROR	7	1.866667	0.266667		

Randomized Complete Block (RCB) AOV For Arahy Hgt3 INCHES May-24-23 (Data Column 9) Missing factor A levels prevents analyzing column 9 as Factorial (RCB) design; Missing values in column 9 results in unbalanced data, Least Squares Analysis is preferred; Too many missing data values in column 9 to print Complete Factorial AOV Table					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	13	22.358333			
Replicate	2	0.108333	0.054167	0.281	0.7633
Treatment	4	20.900000	5.225000	27.093	0.0002
ERROR	7	1.350000	0.192857		

Randomized Complete Block (RCB) AOV For Arahy Hgt4 INCHES May-24-23 (Data Column 10) Missing factor A levels prevents analyzing column 10 as Factorial (RCB) design; Missing values in column 10 results in unbalanced data, Least Squares Analysis is preferred; Too many missing data values in column 10 to print Complete Factorial AOV Table					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	13	20.933333			
Replicate	2	0.033333	0.016667	0.042	0.9594
Treatment	4	18.100000	4.525000	11.313	0.0035
ERROR	7	2.800000	0.400000		

Randomized Complete Block (RCB) AOV For Arahy Hgt5 INCHES May-24-23 (Data Column 11) Missing factor A levels prevents analyzing column 11 as Factorial (RCB) design; Missing values in column 11 results in unbalanced data, Least Squares Analysis is preferred; Too many missing data values in column 11 to print Complete Factorial AOV Table					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	13	24.733333			
Replicate	2	0.933333	0.466667	2.085	0.1948
Treatment	4	22.233333	5.558333	24.835	0.0003
ERROR	7	1.566667	0.223810		

Randomized Complete Block (RCB) AOV For Arahy Hgt-AVG INCHES May-24-23 (Data Column 12) Missing factor A levels prevents analyzing column 12 as Factorial (RCB) design; Missing values in column 12 results in unbalanced data, Least Squares Analysis is preferred; Too many missing data values in column 12 to print Complete Factorial AOV Table					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	13	20.884000			
Replicate	2	0.112000	0.056000	0.369	0.7039
Treatment	4	19.710667	4.927667	32.500	0.0001
ERROR	7	1.061333	0.151619		

Randomized Complete Block (RCB) AOV For Arahy Width1 INCHES May-24-23 (Data Column 13) Missing factor A levels prevents analyzing column 13 as Factorial (RCB) design; Missing values in column 13 results in unbalanced data, Least Squares Analysis is preferred; Too many missing data values in column 13 to print Complete Factorial AOV Table					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	13	55.900000			
Replicate	2	0.100000	0.050000	0.184	0.8357
Treatment	4	53.900000	13.475000	49.645	0.0001
ERROR	7	1.900000	0.271429		

Randomized Complete Block (RCB) AOV For Arahy Width2 INCHES May-24-23 (Data Column 14) Missing factor A levels prevents analyzing column 14 as Factorial (RCB) design; Missing values in column 14 results in unbalanced data, Least Squares Analysis is preferred; Too many missing data values in column 14 to print Complete Factorial AOV Table					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	13	60.600000			
Replicate	2	0.700000	0.350000	3.868	0.0739
Treatment	4	59.266667	14.816667	163.763	0.0001
ERROR	7	0.633333	0.090476		

Randomized Complete Block (RCB) AOV For Arahy Width3 INCHES May-24-23 (Data Column 15) Missing factor A levels prevents analyzing column 15 as Factorial (RCB) design; Missing values in column 15 results in unbalanced data, Least Squares Analysis is preferred; Too many missing data values in column 15 to print Complete Factorial AOV Table					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	13	75.933333			
Replicate	2	1.633333	0.816667	2.257	0.1753
Treatment	4	71.766667	17.941667	49.576	0.0001
ERROR	7	2.533333	0.361905		

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 MILESTONE 3LC (AMINOPYRALID) WEED-FREE - YEAR 1			
Trial ID:	PE-01B-23	Study Dir.:	N. SHAY
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Randomized Complete Block (RCB) AOV For Arah Width4 INCHES May-24-23 (Data Column 16) Missing factor A levels prevents analyzing column 16 as Factorial (RCB) design; Missing values in column 16 results in unbalanced data, Least Squares Analysis is preferred; Too many missing data values in column 16 to print Complete Factorial AOV Table					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	13	64.433333			
Replicate	2	0.833333	0.416667	0.833	0.4735
Treatment	4	60.100000	15.025000	30.050	0.0002
ERROR	7	3.500000	0.500000		

Randomized Complete Block (RCB) AOV For Arah Width5 INCHES May-24-23 (Data Column 17) Missing factor A levels prevents analyzing column 17 as Factorial (RCB) design; Missing values in column 17 results in unbalanced data, Least Squares Analysis is preferred; Too many missing data values in column 17 to print Complete Factorial AOV Table					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	13	58.558333			
Replicate	2	0.408333	0.204167	0.208	0.8173
Treatment	4	51.266667	12.816667	13.034	0.0023
ERROR	7	6.883333	0.983333		

Randomized Complete Block (RCB) AOV For Arah Width-AVG INCHES May-24-23 (Data Column 18) Missing factor A levels prevents analyzing column 18 as Factorial (RCB) design; Missing values in column 18 results in unbalanced data, Least Squares Analysis is preferred; Too many missing data values in column 18 to print Complete Factorial AOV Table					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	13	59.392333			
Replicate	2	0.446333	0.223167	1.972	0.2092
Treatment	4	58.154000	14.538500	128.497	0.0001
ERROR	7	0.792000	0.113143		

COMPLETE FACTORIAL AOV For Arah Stunting % Jun-7-23 (Data Column 19) Missing values in column 19 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	42	57820.000000				
R	2	142.500000	71.250000	2.460	0.1215	
A	2	19547.500000	9773.750000	312.760	0.0001	4.4
RA	4	125.000000	31.250000			
B	4	22567.222222	5641.805556	289.117	0.0001	3.9
RB	8	156.111111	19.513889			
AB	8	14876.111111	1859.513889	64.191	0.0001	7.7
RAB	14	405.555556	28.968254			

COMPLETE FACTORIAL AOV For Arah STEM Epinasty % Jun-7-23 (Data Column 20) Missing values in column 20 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	42	88416.111111				
R	2	21.944444	10.972222	2.973	0.0839	
A	2	25971.944444	12985.972222	4249.955	0.0001	1.4
RA	4	12.222222	3.055556			
B	4	34105.000000	8526.250000	6821.000	0.0001	1.0
RB	8	10.000000	1.250000			
AB	8	28243.333333	3530.416667	956.629	0.0001	2.8
RAB	14	51.666667	3.690476			

COMPLETE FACTORIAL AOV For Arah Leaf curl 1-5 Jun-7-23 (Data Column 21) Missing values in column 21 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	42	53.300000				
R	2	0.325000	0.162500	1.442	0.2695	
A	2	16.758333	8.379167	54.351	0.0013	0.31
RA	4	0.616667	0.154167			
B	4	17.244444	4.311111	44.662	0.0001	0.27
RB	8	0.772222	0.096528			
AB	8	16.005556	2.000694	17.753	0.0001	0.48
RAB	14	1.577778	0.112698			

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 MILESTONE 3LC (AMINOPYRALID) WEED-FREE - YEAR 1			
Trial ID:	PE-01B-23	Study Dir.:	N. SHAY
Location:	PONDER FARM	Investigator:	Eric P. Prostko

COMPLETE FACTORIAL AOV For Arahly Necrosis % Jun-7-23 (Data Column 22) Missing values in column 22 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	42	13277.777778				
R	2	4.444444	2.222222	0.103	0.9025	
A	2	3014.444444	1507.222222	123.318	0.0003	2.7
RA	4	48.888889	12.222222			
B	4	2994.444444	748.611111	30.625	0.0001	4.3
RB	8	195.555556	24.444444			
AB	8	6718.888889	839.861111	39.049	0.0001	6.7
RAB	14	301.111111	21.507937			

COMPLETE FACTORIAL AOV For Arah Hgt1 IN Jun-7-23 (Data Column 23) Analysis will skip factor level A3 for column 23 - all A3 treatments are missing; Missing values in column 23 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	27	66.310417				
R	2	2.004167	1.002083	1.286	0.3429	
A	1	7.252083	7.252083	47.685	0.0203	0.42
RA	2	0.304167	0.152083			
B	4	44.175000	11.043750	59.898	0.0001	0.38
RB	8	1.475000	0.184375			
AB	4	6.425000	1.606250	2.061	0.2044	1.40
RAB	6	4.675000	0.779167			

COMPLETE FACTORIAL AOV For ARAHY Hg2 IN Jun-7-23 (Data Column 24) Analysis will skip factor level A3 for column 24 - all A3 treatments are missing; Missing values in column 24 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	27	76.960417				
R	2	1.154167	0.577083	3.124	0.1176	
A	1	8.802083	8.802083	25.000	0.0377	0.63
RA	2	0.704167	0.352083			
B	4	55.950000	13.987500	61.315	0.0001	0.42
RB	8	1.825000	0.228125			
AB	4	7.416667	1.854167	10.038	0.0079	0.68
RAB	6	1.108333	0.184722			

COMPLETE FACTORIAL AOV For ARAHY Hg3 IN Jun-7-23 (Data Column 25) Analysis will skip factor level A3 for column 25 - all A3 treatments are missing; Missing values in column 25 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	27	86.716667				
R	2	1.016667	0.508333	1.476	0.3011	
A	1	12.033333	12.033333	46.581	0.0208	0.54
RA	2	0.516667	0.258333			
B	4	64.383333	16.095833	97.797	0.0001	0.36
RB	8	1.316667	0.164583			
AB	4	5.383333	1.345833	3.907	0.0676	0.93
RAB	6	2.066667	0.344444			

COMPLETE FACTORIAL AOV For ARAHY Hg4 IN Jun-7-23 (Data Column 26) Analysis will skip factor level A3 for column 26 - all A3 treatments are missing; Missing values in column 26 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	27	88.293750				
R	2	0.012500	0.006250	0.038	0.9628	
A	1	7.752083	7.752083	195.842	0.0051	0.21
RA	2	0.079167	0.039583			
B	4	71.950000	17.987500	56.431	0.0001	0.49
RB	8	2.550000	0.318750			
AB	4	4.966667	1.241667	7.576	0.0158	0.64
RAB	6	0.983333	0.163889			

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 MILESTONE 3LC (AMINOPYRALID) WEED-FREE - YEAR 1			
Trial ID:	PE-01B-23	Study Dir.:	N. SHAY
Location:	PONDER FARM	Investigator:	Eric P. Prostko

COMPLETE FACTORIAL AOV For ARAHY Hg5 IN Jun-7-23 (Data Column 27) Analysis will skip factor level A3 for column 27 - all A3 treatments are missing; Missing values in column 27 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	27	85.543750				
R	2	0.462500	0.231250	0.718	0.5255	
A	1	5.418750	5.418750	23.432	0.0401	0.51
RA	2	0.462500	0.231250			
B	4	69.075000	17.268750	230.250	0.0001	0.24
RB	8	0.600000	0.075000			
AB	4	7.591667	1.897917	5.890	0.0284	0.90
RAB	6	1.933333	0.322222			

COMPLETE FACTORIAL AOV For ARAHY PLANT HGT-AVG IN Jun-7-23 (Data Column 28) Analysis will skip factor level A3 for column 28 - all A3 treatments are missing; Missing values in column 28 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	27	76.328000				
R	2	0.666000	0.333000	3.286	0.1087	
A	1	8.112000	8.112000	67.041	0.0146	0.4
RA	2	0.242000	0.121000			
B	4	60.274667	15.068667	208.804	0.0001	0.2
RB	8	0.577333	0.072167			
AB	4	5.848000	1.462000	14.428	0.0031	0.5
RAB	6	0.608000	0.101333			

COMPLETE FACTORIAL AOV For ARAHY Wth1 IN Jun-7-23 (Data Column 29) Analysis will skip factor level A3 for column 29 - all A3 treatments are missing; Missing values in column 29 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	27	195.341667				
R	2	0.016667	0.008333	0.006	0.9937	
A	1	15.408333	15.408333	7.139	0.1162	1.57
RA	2	4.316667	2.158333			
B	4	106.300000	26.575000	48.318	0.0001	0.65
RB	8	4.400000	0.550000			
AB	4	56.966667	14.241667	10.771	0.0066	1.82
RAB	6	7.933333	1.322222			

COMPLETE FACTORIAL AOV For ARAHY Wth2 IN Jun-7-23 (Data Column 30) Analysis will skip factor level A3 for column 30 - all A3 treatments are missing; Missing values in column 30 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	27	203.393750				
R	2	0.712500	0.356250	0.220	0.8087	
A	1	26.602083	26.602083	45.120	0.0215	0.82
RA	2	1.179167	0.589583			
B	4	128.883333	32.220833	46.725	0.0001	0.73
RB	8	5.516667	0.689583			
AB	4	30.783333	7.695833	4.752	0.0453	2.02
RAB	6	9.716667	1.619444			

COMPLETE FACTORIAL AOV For ARAHY Wth3 IN Jun-7-23 (Data Column 31) Analysis will skip factor level A3 for column 31 - all A3 treatments are missing; Missing values in column 31 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	27	223.310417				
R	2	0.254167	0.127083	0.218	0.8099	
A	1	11.718750	11.718750	7.239	0.1148	1.36
RA	2	3.237500	1.618750			
B	4	157.258333	39.314583	51.210	0.0001	0.77
RB	8	6.141667	0.767708			
AB	4	41.208333	10.302083	17.703	0.0018	1.21
RAB	6	3.491667	0.581944			

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 MILESTONE 3LC (AMINOPYRALID) WEED-FREE - YEAR 1			
Trial ID:	PE-01B-23	Study Dir.:	N. SHAY
Location:	PONDER FARM	Investigator:	Eric P. Prostko

COMPLETE FACTORIAL AOV For ARAHY Wt4 IN Jun-7-23 (Data Column 32) Analysis will skip factor level A3 for column 32 - all A3 treatments are missing; Missing values in column 32 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	27	239.810417				
R	2	0.304167	0.152083	0.329	0.7320	
A	1	26.602083	26.602083	15.403	0.0592	1.40
RA	2	3.454167	1.727083			
B	4	171.300000	42.825000	87.287	0.0001	0.61
RB	8	3.925000	0.490625			
AB	4	31.450000	7.862500	17.000	0.0020	1.08
RAB	6	2.775000	0.462500			

COMPLETE FACTORIAL AOV For ARAHY Wth5 IN Jun-7-23 (Data Column 33) Analysis will skip factor level A3 for column 33 - all A3 treatments are missing; Missing values in column 33 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	27	199.741667				
R	2	1.616667	0.808333	1.426	0.3113	
A	1	23.408333	23.408333	90.613	0.0109	0.54
RA	2	0.516667	0.258333			
B	4	139.283333	34.820833	93.899	0.0001	0.53
RB	8	2.966667	0.370833			
AB	4	28.550000	7.137500	12.596	0.0044	1.19
RAB	6	3.400000	0.566667			

COMPLETE FACTORIAL AOV For ARAHY PLANT WDTN-AVG IN Jun-7-23 (Data Column 34) Analysis will skip factor level A3 for column 34 - all A3 treatments are missing; Missing values in column 34 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	27	198.341750				
R	2	0.294500	0.147250	1.207	0.3626	
A	1	20.254083	20.254083	45.151	0.0214	0.7
RA	2	0.897167	0.448583			
B	4	138.918000	34.729500	194.563	0.0001	0.4
RB	8	1.428000	0.178500			
AB	4	35.818000	8.954500	73.398	0.0001	0.6
RAB	6	0.732000	0.122000			

COMPLETE FACTORIAL AOV For ARAHY Stunting % Jul-5-23 (Data Column 35) Missing values in column 35 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	78244.477778				
R	2	88.044444	44.022222	1.836	0.1985	
A	2	16011.877778	8005.938889	502.290	0.0001	3.1
RA	4	63.755556	15.938889			
B	4	47772.755556	11943.188889	1000.360	0.0001	3.0
RB	8	95.511111	11.938889			
AB	8	13900.844444	1737.605556	72.472	0.0001	7.1
RAB	13	311.688889	23.976068			

COMPLETE FACTORIAL AOV For ARAHY Leaf curl 1-5 Jul-5-23 (Data Column 36) Missing values in column 36 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	126.200000				
R	2	1.525000	0.762500	2.049	0.1685	
A	2	5.025000	2.512500	7.731	0.0422	0.44
RA	4	1.300000	0.325000			
B	4	75.672222	18.918056	24.044	0.0002	0.78
RB	8	6.294444	0.786806			
AB	8	31.544444	3.943056	10.593	0.0001	0.88
RAB	13	4.838889	0.372222			

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 MILESTONE 3LC (AMINOPYRALID) WEED-FREE - YEAR 1			
Trial ID:	PE-01B-23	Study Dir.:	N. SHAY
Location:	PONDER FARM	Investigator:	Eric P. Prostko

COMPLETE FACTORIAL AOV For Arahy STEM Epinasty % Jul-5-23 (Data Column 37) Missing values in column 37 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	41847.777778				
R	2	31.111111	15.555556	0.059	0.9433	
A	2	5221.111111	2610.555556	15.929	0.0124	10.0
RA	4	655.555556	163.888889			
B	4	23986.666667	5996.666667	111.566	0.0001	6.4
RB	8	430.000000	53.750000			
AB	8	8073.333333	1009.166667	3.803	0.0163	23.6
RAB	13	3450.000000	265.384615			

COMPLETE FACTORIAL AOV For Arahy Necrosis % Jul-5-23 (Data Column 38) Missing values in column 38 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	28980.800000				
R	2	8.400000	4.200000	0.505	0.6148	
A	2	8257.733333	4128.866667	769.354	0.0001	1.8
RA	4	21.466667	5.366667			
B	4	6655.022222	1663.755556	163.559	0.0001	2.8
RB	8	81.377778	10.172222			
AB	8	13848.711111	1731.088889	208.200	0.0001	4.2
RAB	13	108.088889	8.314530			

COMPLETE FACTORIAL AOV For Arahy Ht1 In Jul-5-23 (Data Column 39) Missing values in column 39 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	731.611111				
R	2	4.219444	2.109722	1.205	0.3311	
A	2	8.852778	4.426389	2.729	0.1789	0.99
RA	4	6.488889	1.622222			
B	4	662.111111	165.527778	122.361	0.0001	1.02
RB	8	10.822222	1.352778			
AB	8	16.355556	2.044444	1.168	0.3857	1.91
RAB	13	22.761111	1.750855			

COMPLETE FACTORIAL AOV For Arahy Ht2 In Jul-5-23 (Data Column 40) Missing values in column 40 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	768.911111				
R	2	3.019444	1.509722	0.643	0.5417	
A	2	5.169444	2.584722	3.729	0.1219	0.65
RA	4	2.772222	0.693056			
B	4	688.550000	172.137500	53.723	0.0001	1.57
RB	8	25.633333	3.204167			
AB	8	13.233333	1.654167	0.704	0.6840	2.22
RAB	13	30.533333	2.348718			

COMPLETE FACTORIAL AOV For Arahy Ht3 In Jul-5-23 (Data Column 41) Missing values in column 41 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	820.286111				
R	2	5.211111	2.605556	1.836	0.1985	
A	2	11.119444	5.559722	4.580	0.0924	0.86
RA	4	4.855556	1.213889			
B	4	750.966667	187.741667	121.124	0.0001	1.09
RB	8	12.400000	1.550000			
AB	8	17.283333	2.160417	1.522	0.2404	1.72
RAB	13	18.450000	1.419231			

COMPLETE FACTORIAL AOV For Arahy Ht4 In Jul-5-23 (Data Column 42) Missing values in column 42 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	760.394444				
R	2	0.869444	0.434722	0.510	0.6122	
A	2	18.219444	9.109722	3.794	0.1192	1.21
RA	4	9.605556	2.401389			
B	4	686.088889	171.522222	106.416	0.0001	1.11
RB	8	12.894444	1.611806			
AB	8	21.627778	2.703472	3.169	0.0317	1.34
RAB	13	11.088889	0.852991			

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 MILESTONE 3LC (AMINOPYRALID) WEED-FREE - YEAR 1			
Trial ID:	PE-01B-23	Study Dir.:	N. SHAY
Location:	PONDER FARM	Investigator:	Eric P. Prostko

COMPLETE FACTORIAL AOV For Arahy Ht5 In Jul-5-23 (Data Column 43) Missing values in column 43 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	881.700000				
R	2	0.433333	0.216667	0.227	0.8002	
A	2	10.033333	5.016667	3.562	0.1293	0.92
RA	4	5.633333	1.408333			
B	4	811.922222	202.980556	237.250	0.0001	0.81
RB	8	6.844444	0.855556			
AB	8	34.411111	4.301389	4.501	0.0083	1.41
RAB	13	12.422222	0.955556			

COMPLETE FACTORIAL AOV For ARAHY PLANT HGT-AVG IN Jul-5-23 (Data Column 44) Missing values in column 44 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	761.383000				
R	2	1.981000	0.990500	1.280	0.3109	
A	2	9.424000	4.712000	6.637	0.0536	0.7
RA	4	2.840000	0.710000			
B	4	715.716889	178.929222	204.341	0.0001	0.8
RB	8	7.005111	0.875639			
AB	8	14.353778	1.794222	2.318	0.0858	1.3
RAB	13	10.062222	0.774017			

COMPLETE FACTORIAL AOV For Arahy Wt1 In Jul-5-23 (Data Column 45) Missing values in column 45 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	10837.977778				
R	2	2.411111	1.205556	0.295	0.7495	
A	2	504.811111	252.405556	59.545	0.0011	1.60
RA	4	16.955556	4.238889			
B	4	9442.088889	2360.522222	1493.476	0.0001	1.10
RB	8	12.644444	1.580556			
AB	8	805.911111	100.738889	24.637	0.0001	2.92
RAB	13	53.155556	4.088889			

COMPLETE FACTORIAL AOV For Arahy Wt2 In Jul-5-23 (Data Column 46) Missing values in column 46 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	8170.811111				
R	2	1.877778	0.938889	0.143	0.8684	
A	2	178.411111	89.205556	20.599	0.0078	1.62
RA	4	17.322222	4.330556			
B	4	6865.200000	1716.300000	110.373	0.0001	3.46
RB	8	124.400000	15.550000			
AB	8	898.033333	112.254167	17.055	0.0001	3.71
RAB	13	85.566667	6.582051			

COMPLETE FACTORIAL AOV For Arahy Wt3 In Jul-5-23 (Data Column 47) Missing values in column 47 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	9622.700000				
R	2	52.933333	26.466667	6.223	0.0127	
A	2	154.300000	77.150000	16.017	0.0123	1.71
RA	4	19.266667	4.816667			
B	4	8490.922222	2122.730556	247.268	0.0001	2.57
RB	8	68.677778	8.584722			
AB	8	781.311111	97.663889	22.964	0.0001	2.98
RAB	13	55.288889	4.252991			

COMPLETE FACTORIAL AOV For Arahy Wt4 In Jul-5-23 (Data Column 48) Missing values in column 48 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	9598.111111				
R	2	64.711111	32.355556	2.884	0.0919	
A	2	375.544444	187.772222	20.106	0.0082	2.38
RA	4	37.355556	9.338889			
B	4	8415.833333	2103.958333	189.688	0.0001	2.92
RB	8	88.733333	11.091667			
AB	8	470.066667	58.758333	5.237	0.0044	4.84
RAB	13	145.866667	11.220513			

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 MILESTONE 3LC (AMINOPYRALID) WEED-FREE - YEAR 1			
Trial ID:	PE-01B-23	Study Dir.:	N. SHAY
Location:	PONDER FARM	Investigator:	Eric P. Prostko

COMPLETE FACTORIAL AOV For Arahy Wt5 In Jul-5-23 (Data Column 49) Missing values in column 49 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	8898.411111				
R	2	31.077778	15.538889	0.575	0.5763	
A	2	485.277778	242.638889	13.736	0.0162	3.27
RA	4	70.655556	17.663889			
B	4	7098.633333	1774.658333	132.643	0.0001	3.21
RB	8	107.033333	13.379167			
AB	8	754.500000	94.312500	3.491	0.0224	7.52
RAB	13	351.233333	27.017949			

COMPLETE FACTORIAL AOV For ARAHY PLANT WDTN-AVG IN Jul-5-23 (Data Column 50) Missing values in column 50 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	9100.723111				
R	2	15.595111	7.797556	2.059	0.1672	
A	2	306.667111	153.333556	43.707	0.0019	1.5
RA	4	14.032889	3.508222			
B	4	7988.129778	1997.032444	333.453	0.0001	2.1
RB	8	47.911556	5.988944			
AB	8	679.152889	84.894111	22.416	0.0001	2.8
RAB	13	49.233778	3.787214			

COMPLETE FACTORIAL AOV For Arahy Hgt1 In Aug-11-23 (Data Column 51) Missing values in column 51 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	40	2012.700000				
R	2	17.500000	8.750000	3.007	0.0874	
A	2	19.633333	9.816667	7.906	0.0408	0.87
RA	4	4.966667	1.241667			
B	4	1875.755556	468.938889	107.871	0.0001	1.83
RB	8	34.777778	4.347222			
AB	8	25.144444	3.143056	1.080	0.4364	2.48
RAB	12	34.922222	2.910185			

COMPLETE FACTORIAL AOV For Arahy Hgt2 In Aug-11-23 (Data Column 52) Missing values in column 52 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	40	2089.050000				
R	2	11.658333	5.829167	0.871	0.4432	
A	2	2.158333	1.079167	0.787	0.5149	0.91
RA	4	5.483333	1.370833			
B	4	1932.300000	483.075000	116.345	0.0001	1.79
RB	8	33.216667	4.152083			
AB	8	23.966667	2.995833	0.448	0.8697	3.76
RAB	12	80.266667	6.688889			

COMPLETE FACTORIAL AOV For Arahy Hgt3 In Aug-11-23 (Data Column 53) Missing values in column 53 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	40	2018.300000				
R	2	30.000000	15.000000	3.456	0.0653	
A	2	19.633333	9.816667	3.581	0.1284	1.29
RA	4	10.966667	2.741667			
B	4	1848.188889	462.047222	92.538	0.0001	1.96
RB	8	39.944444	4.993056			
AB	8	17.477778	2.184722	0.503	0.8320	3.03
RAB	12	52.088889	4.340741			

COMPLETE FACTORIAL AOV For Arahy Hgt4 In Aug-11-23 (Data Column 54) Missing values in column 54 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	39	2006.950000				
R	2	5.608333	2.804167	1.005	0.3973	
A	2	11.608333	5.804167	1.970	0.2538	1.34
RA	4	11.783333	2.945833			
B	4	1883.547222	470.886806	155.326	0.0001	1.53
RB	8	24.252778	3.031597			
AB	8	39.461111	4.932639	1.768	0.1876	2.45
RAB	11	30.688889	2.789899			

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 MILESTONE 3LC (AMINOPYRALID) WEED-FREE - YEAR 1			
Trial ID:	PE-01B-23	Study Dir.:	N. SHAY
Location:	PONDER FARM	Investigator:	Eric P. Prostko

COMPLETE FACTORIAL AOV For Arahy Hgt5 In Aug-11-23 (Data Column 55) Missing values in column 55 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	39	1870.536111				
R	2	8.052778	4.026389	1.258	0.3222	
A	2	3.286111	1.643056	0.739	0.5333	1.16
RA	4	8.897222	2.224306			
B	4	1760.730556	440.182639	181.337	0.0001	1.37
RB	8	19.419444	2.427431			
AB	8	34.936111	4.367014	1.364	0.3092	2.62
RAB	11	35.213889	3.201263			

COMPLETE FACTORIAL AOV For ARAHY PLANT HGT-AVG IN Aug-11-23 (Data Column 56) Missing values in column 56 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	39	1941.021444				
R	2	11.273444	5.636722	2.222	0.1547	
A	2	10.291444	5.145722	6.060	0.0616	0.7
RA	4	3.396556	0.849139			
B	4	1847.677000	461.919250	142.014	0.0001	1.6
RB	8	26.021000	3.252625			
AB	8	14.456333	1.807042	0.712	0.6780	2.3
RAB	11	27.905667	2.536879			

COMPLETE FACTORIAL AOV For ARAHY DIRTY YIELD LBS/PLOT Sep-21-23 (Data Column 57) Missing values in column 57 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	3515.657778				
R	2	42.101778	21.050889	3.999	0.0443	
A	2	1.325778	0.662889	0.514	0.6331	0.9
RA	4	5.162222	1.290556			
B	4	3257.682222	814.420556	80.542	0.0001	2.8
RB	8	80.893778	10.111722			
AB	8	60.063111	7.507889	1.426	0.2733	3.3
RAB	13	68.428889	5.263761			

COMPLETE FACTORIAL AOV For ARAHY CLEAN YIELD LBS/PLOT Sep-21-23 (Data Column 58) Missing values in column 58 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	3376.437730				
R	2	40.434547	20.217274	3.999	0.0443	
A	2	1.273277	0.636638	0.514	0.6331	0.9
RA	4	4.957798	1.239450			
B	4	3128.678006	782.169502	80.542	0.0001	2.7
RB	8	77.690384	9.711298			
AB	8	57.684612	7.210576	1.426	0.2733	3.3
RAB	13	65.719105	5.055316			

COMPLETE FACTORIAL AOV For ARAHY CLEAN YIELD LBS/A Sep-21-23 (Data Column 59) Missing values in column 59 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	252193431.206478				
R	2	3020143.730936	1510071.865468	3.999	0.0443	
A	2	95103.809281	47551.904641	0.514	0.6331	237
RA	4	370308.664029	92577.166007			
B	4	233687721.994907	58421930.498727	80.542	0.0001	747
RB	8	5802862.698976	725357.837372			
AB	8	4308588.331832	538573.541479	1.426	0.2733	889
RAB	13	4908701.976517	377592.459732			

Part Rated
 STEM = STEM / CULM or STALK
 PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)
Rating Unit
 % = PERCENT
 1-5 = 1-5 INDEX/SCALE
 In = INCH
ARM Action Codes
 T1 = (([C7]+[C8]+[C9]+[C10]+[C11])/5)
 T2 = (([C13]+[C14]+[C15]+[C16]+[C17])/5)

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 MILESTONE 3LC (AMINOPYRALID)			
WEED-FREE - YEAR 1			
Trial ID:	PE-01B-23	Study Dir.:	N. SHAY
Location:	PONDER FARM	Investigator:	Eric P. Prostko
T5 = $([C23]+[C24]+[C25]+[C26]+[C27])/5$			
T6 = $([C29]+[C30]+[C31]+[C32]+[C33])/5$			
T7 = $([C39]+[C40]+[C41]+[C42]+[C43])/5$			
T8 = $([C45]+[C46]+[C47]+[C48]+[C49])/5$			
T9 = $([51]+[52]+[53]+[54]+[55])/5$			
T3 = $[C57]*0.98$			
TY4 = $273.29866667*[C58]$			

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PEANUT RESPONSE TO MILESTONE 3LC (AMINOPYRALID)			
WEED-FREE - YEAR 1			
Trial ID:	PE-01B-23	Study Dir.:	N. SHAY
Location:	PONDER FARM	Investigator:	Eric P. Prostko

				Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy			
				Stand	Stunting	Leaf curl	#/5ft	Stunting	STEM, -	Hgt1	Hgt2	Hgt3	Hgt4			
				#/5ft	%	1-5		%	EPINASTY	INCHES	INCHES	INCHES	INCHES			
				May-9-23	May-9-23	May-9-23	May-19-23	May-19-23	May-19-23	May-24-23	May-24-23	May-24-23	May-24-23			
Trt	Treatment	Form	Rate													
No.	Name	Conc	Type	Rate	Unit	Plot	1	2	3	4	5	6	7	8	9	10
1	PRE					101	3.0	100.0	0.00	19.0	95.0	100.0	0.00	0.00	0.00	0.00
	MILESTONE	2 LC	7.0 oz/a			214	0.0	100.0	0.00	2.0	100.0	.	0.00	0.00	0.00	0.00
	1X					312	5.0	60.0	5.00	22.0	99.0	100.0	0.00	0.00	0.00	0.00
						Mean =	2.7	86.7	1.67	14.3	98.0	100.0	0.00	0.00	0.00	0.00
2	PRE					102	17.0	20.0	5.00	21.0	80.0	100.0	2.00	2.00	2.00	2.50
	MILESTONE	2 LC	1.4 oz/a			209	11.0	30.0	4.00	24.0	85.0	100.0	1.50	1.00	1.00	1.00
	1/5THX					310	27.0	30.0	3.50	27.0	50.0	100.0	1.00	2.00	1.00	2.00
						Mean =	18.3	26.7	4.17	24.0	71.7	100.0	1.50	1.67	1.33	1.83
3	PRE					103	21.0	10.0	4.00	22.0	40.0	100.0	3.00	2.00	2.00	2.00
	MILESTONE	2 LC	0.7 oz/a			215	17.0	25.0	4.00	22.0	45.0	100.0	2.00	2.00	1.50	1.50
	1/10THX					319	25.0	20.0	3.50	28.0	25.0	100.0	2.00	1.50	2.00	2.00
						Mean =	21.0	18.3	3.83	24.0	36.7	100.0	2.33	1.83	1.83	1.83
4	PRE					104	17.0	10.0	4.50	26.0	10.0	100.0	3.00	3.00	3.00	3.00
	MILESTONE	2 LC	0.07 oz/a			211	.	.	.	.	.	.	.	.	.	.
	1/100THX					303	18.0	20.0	4.00	21.0	15.0	100.0	3.50	3.00	3.50	3.00
						Mean =	17.5	15.0	4.25	23.5	12.5	100.0	3.25	3.00	3.25	3.00
5	PRE					105	20.0	0.0	1.00	25.0	0.0	0.0	3.00	2.00	3.00	2.50
	MILESTONE	2 LC	0.0 oz/a			207	24.0	0.0	1.00	26.0	0.0	0.0	3.50	3.00	3.50	4.00
	NO HERBICIDE					304	23.0	0.0	1.00	28.0	0.0	0.0	3.00	3.50	2.50	2.50
						Mean =	22.3	0.0	1.00	26.3	0.0	0.0	3.17	2.83	3.00	3.00
6	31 DAP					106	.	0.0	0.00	.	0.0	0.0	.	.	.	.
	MILESTONE	2 LC	7.0 oz/a			202	.	0.0	0.00	.	0.0	0.0	.	.	.	.
	1X					318	.	0.0	0.00	.	0.0	0.0	.	.	.	.
						Mean =	.	0.0	0.00	.	0.0	0.0	.	.	.	.
7	31 DAP					107	.	0.0	0.00	.	0.0	0.0	.	.	.	.
	MILESTONE	2 LC	1.4 oz/a			208	.	0.0	0.00	.	0.0	0.0	.	.	.	.
	1/5THX					306	.	0.0	0.00	.	0.0	0.0	.	.	.	.
						Mean =	.	0.0	0.00	.	0.0	0.0	.	.	.	.
8	31 DAP					108	.	0.0	0.00	.	0.0	0.0	.	.	.	.
	MILESTONE	2 LC	0.7 oz/a			218	.	0.0	0.00	.	0.0	0.0	.	.	.	.
	1/10THX					301	.	0.0	0.00	.	0.0	0.0	.	.	.	.
						Mean =	.	0.0	0.00	.	0.0	0.0	.	.	.	.
9	31 DAP					109	.	0.0	0.00	.	0.0	0.0	.	.	.	.
	MILESTONE	2 LC	0.07 oz/a			203	.	.	.	.	.	.	.	.	.	.
	1/100THX					308	.	0.0	0.00	.	0.0	0.0	.	.	.	.
						Mean =	.	0.0	0.00	.	0.0	0.0	.	.	.	.
10	31 DAP					110	.	0.0	0.00	.	0.0	0.0	.	.	.	.
	MILESTONE	2 LC	0.0 oz/a			220	.	0.0	0.00	.	0.0	0.0	.	.	.	.
	NO HERBICIDE					315	.	0.0	0.00	.	0.0	0.0	.	.	.	.
						Mean =	.	0.0	0.00	.	0.0	0.0	.	.	.	.
11	57 DAP					111	.	0.0	0.00	.	0.0	0.0	.	.	.	.
	MILESTONE	2 LC	7.0 oz/a			219	.	0.0	0.00	.	0.0	0.0	.	.	.	.
	1X					316	.	0.0	0.00	.	0.0	0.0	.	.	.	.
						Mean =	.	0.0	0.00	.	0.0	0.0	.	.	.	.
12	57 DAP					112	.	0.0	0.00	.	0.0	0.0	.	.	.	.
	MILESTONE	2 LC	1.4 oz/a			213	.	0.0	0.00	.	0.0	0.0	.	.	.	.
	1/5THX					314	.	0.0	0.00	.	0.0	0.0	.	.	.	.
						Mean =	.	0.0	0.00	.	0.0	0.0	.	.	.	.
13	57 DAP					113	.	0.0	0.00	.	0.0	0.0	.	.	.	.
	MILESTONE	2 LC	0.7 oz/a			212	.	0.0	0.00	.	0.0	0.0	.	.	.	.
	1/10THX					302	.	0.0	0.00	.	0.0	0.0	.	.	.	.
						Mean =	.	0.0	0.00	.	0.0	0.0	.	.	.	.
14	57 DAP					114	.	0.0	0.00	.	0.0	0.0	.	.	.	.
	MILESTONE	2 LC	0.07 oz/a			201	.	0.0	0.00	.	0.0	0.0	.	.	.	.
	1/100THX					317	.	0.0	0.00	.	0.0	0.0	.	.	.	.
						Mean =	.	0.0	0.00	.	0.0	0.0	.	.	.	.

University of Georgia

PEANUT RESPONSE TO MILESTONE 3LC (AMINOPYRALID)
 WEED-FREE - YEAR 1
 Trial ID: PE-01B-23 Study Dir.: N. SHAY
 Location: PONDER FARM Investigator: Eric P. Prostko

Crop Code	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy
Part Rated										
Rating Data Type	Stand	Stunting	LeaF curl	#/5ft	Stunting	STEM, -	Hgt1	Hgt2	Hgt3	Hgt4
Rating Unit	#/5ft	%	1-5		%	Epinasty	INCHES	INCHES	INCHES	INCHES
Rating Date	May-9-23	May-9-23	May-9-23	May-19-23	May-19-23	May-19-23	May-24-23	May-24-23	May-24-23	May-24-23
Trt Treatment										
No. Name	1	2	3	4	5	6	7	8	9	10
15 57 DAP	.	0.0	0.00	.	0.0	0.0	.	.	.	.
MILESTONE	.	0.0	0.00	.	0.0	0.0	.	.	.	.
NO HERBICIDE	.	0.0	0.00	.	0.0	0.0	.	.	.	.
Mean =	.	0.0	0.00	.	0.0	0.0	.	.	.	.

University of Georgia

PEANUT RESPONSE TO MILESTONE 3LC (AMINOPYRALID) WEED-FREE - YEAR 1 Trial ID: PE-01B-23 Study Dir.: N. SHAY Location: PONDER FARM Investigator: Eric P. Prostko																
Crop Code					Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy		
Part Rated					Hgt5	Hgt-AVG	Width1	Width2	Width3	Width4	Width5	Width-AVG	Stunting	Arahy		
Rating Data Type					INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	%	STEM, -		
Rating Unit					May-24-23	May-24-23	May-24-23	May-24-23	May-24-23	May-24-23	May-24-23	May-24-23	Jun-7-23	Epinasty		
Rating Date					May-24-23	May-24-23	May-24-23	May-24-23	May-24-23	May-24-23	May-24-23	May-24-23	Jun-7-23	%		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Plot	11	12	13	14	15	16	17	18	19	20	
1	PRE MILESTONE 1X	2 LC		7.0 oz/a	101 214 312 Mean =	0.00 0.00 0.00 0.00	0.0 0.0 0.0 0.0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.0 0.0 0.0 0.0	100.0 100.0 100.0 100.0	0.0 0.0 0.0 0.0	
2	PRE MILESTONE 1/5THX	2 LC		1.4 oz/a	102 209 310 Mean =	2.00 0.50 1.00 1.17	2.1 1.0 1.4 1.5	2.00 3.00 3.00 2.67	3.00 2.00 2.00 2.33	2.50 1.00 2.50 2.00	3.50 3.00 2.00 2.83	3.00 3.50 1.00 2.50	2.8 2.5 2.1 2.5	95.0 85.0 85.0 88.3	100.0 95.0 90.0 95.0	
3	PRE MILESTONE 1/10THX	2 LC		0.7 oz/a	103 215 319 Mean =	2.50 1.00 2.00 1.83	2.3 1.6 1.9 1.9	3.50 3.00 3.00 3.17	3.00 2.50 2.50 2.67	4.00 2.00 3.00 3.00	4.00 4.00 2.50 3.50	4.00 2.50 4.00 3.50	3.7 2.8 3.0 3.2	70.0 70.0 60.0 66.7	95.0 90.0 90.0 91.7	
4	PRE MILESTONE 1/100THX	2 LC		0.07 oz/a	104 211 303 Mean =	3.00 . . . 3.00 3.00	3.0 . . . 3.2 3.1	6.00 . . . 5.00 5.50	5.00 . . . 5.00 5.00	6.00 . . . 5.00 5.50	6.00 . . . 5.00 5.50	6.00 . . . 5.00 5.50	5.50 . . . 4.00 4.75	5.7 . . . 4.8 5.3	0.0 . . . 0.0 0.0	5.0 . . . 5.0 5.0
5	PRE MILESTONE NO HERBICIDE	2 LC		0.0 oz/a	105 207 304 Mean =	3.50 3.50 3.00 3.33	2.8 3.5 2.9 3.1	5.00 4.00 5.00 4.67	6.00 5.00 5.50 5.50	6.00 6.00 5.50 5.83	4.50 5.50 6.00 5.33	4.50 5.00 6.00 5.17	5.2 5.1 5.6 5.3	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	
6	31 DAP MILESTONE 1X	2 LC		7.0 oz/a	106 202 318 Mean =	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	85.0 65.0 60.0 70.0	100.0 95.0 95.0 96.7
7	31 DAP MILESTONE 1/5THX	2 LC		1.4 oz/a	107 208 306 Mean =	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	45.0 30.0 25.0 33.3	95.0 95.0 95.0 95.0
8	31 DAP MILESTONE 1/10THX	2 LC		0.7 oz/a	108 218 301 Mean =	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	30.0 25.0 40.0 31.7	95.0 95.0 95.0 95.0
9	31 DAP MILESTONE 1/100THX	2 LC		0.07 oz/a	109 203 308 Mean =	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	5.0 . . . 0.0 2.5	5.0 . . . 0.0 2.5
10	31 DAP MILESTONE NO HERBICIDE	2 LC		0.0 oz/a	110 220 315 Mean =	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0
11	57 DAP MILESTONE 1X	2 LC		7.0 oz/a	111 219 316 Mean =	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0
12	57 DAP MILESTONE 1/5THX	2 LC		1.4 oz/a	112 213 314 Mean =	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0
13	57 DAP MILESTONE 1/10THX	2 LC		0.7 oz/a	113 212 302 Mean =	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	. . . . . . . . . . . .	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0
14	57 DAP MILESTONE 1/100THX	2 LC		0.07 oz/a	114 201 317 Mean =	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	

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PEANUT RESPONSE TO MILESTONE 3LC (AMINOPYRALID)
 WEED-FREE - YEAR 1
 Trial ID: PE-01B-23 Study Dir.: N. SHAY
 Location: PONDER FARM Investigator: Eric P. Prostko

Crop Code	Arahy		Arahy		Arahy		Arahy		Arahy		Arahy				
Part Rated	Hgt5	Hgt-AVG	Width1	Width2	Width3	Width4	Width5	Width-AVG	Stunting	Arahy	Arahy				
Rating Data Type	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	%	%	STEM, -				
Rating Unit	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	%	%	Epinasty				
Rating Date	May-24-23	May-24-23	May-24-23	May-24-23	May-24-23	May-24-23	May-24-23	May-24-23	May-24-23	Jun-7-23	Jun-7-23	Epinasty			
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Plot	11	12	13	14	15	16	17	18	19	20
15	57 DAP				115	0.0	0.0
	MILESTONE	2 LC		0.0 oz/a	217	0.0	0.0
	NO HERBICIDE				305	0.0	0.0
				Mean =		0.0	0.0

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PEANUT RESPONSE TO MILESTONE 3LC (AMINOPYRALID) WEED-FREE - YEAR 1																	
Trial ID: PE-01B-23		Study Dir.: N. SHAY															
Location: PONDER FARM		Investigator: Eric P. Prostko															
Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	ARAHY	ARAHY	ARAHY	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	
					WT4	Wt5	PLANT, -	Stunting	Leaf curl	Epinasty	Necrosis	Ht1	Ht2	Ht3	Ht4	Ht5	
					IN	IN	WDTH-AVG	%	1-5	%	%	In	In	In	In	In	
					Jun-7-23	Jun-7-23	Jun-7-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Plot	32	33	34	35	36	37	38	39	40	41	42	43
1	PRE MILESTONE 1X	2 LC		7.0 oz/a	101 214 312 Mean =	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.0 0.0 0.0 0.0	100.0 100.0 100.0 100.0	0.00 0.00 0.00 0.00	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00
2	PRE MILESTONE 1/5THX	2 LC		1.4 oz/a	102 209 310 Mean =	2.50 1.50 3.00 2.33	3.00 2.00 1.50 2.17	2.5 1.8 2.2 2.2	95.0 100.0 95.0 96.7	4.50 0.00 3.00 2.50	0.0 0.0 35.0 11.7	0.0 0.0 5.0 1.7	3.00 0.00 2.00 1.67	1.00 0.00 5.00 2.00	1.50 0.00 4.00 1.83	1.50 0.00 1.00 0.83	1.50 0.00 2.00 1.17
3	PRE MILESTONE 1/10THX	2 LC		0.7 oz/a	103 215 319 Mean =	4.00 2.50 2.50 3.00	4.00 3.00 2.00 3.00	3.8 2.3 2.6 2.9	75.0 90.0 65.0 76.7	3.00 3.00 3.00 3.00	0.0 10.0 15.0 8.3	0.0 5.0 5.0 3.3	5.00 3.00 4.00 4.00	5.00 3.00 5.00 4.33	6.00 2.00 4.00 4.00	6.00 2.00 3.00 3.67	4.00 3.00 2.00 3.00
4	PRE MILESTONE 1/100THX	2 LC		0.07 oz/a	104 211 303 Mean =	8.00 7.00 7.00 7.50	7.00 7.00 7.00 7.00	7.2 7.1 7.1 7.2	5.0 0.0 0.0 2.5	0.00 0.0 0.0 0.00	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	7.00 10.00 8.50 8.50	8.50 8.00 8.25 8.25	9.50 9.00 9.25 9.25	8.50 9.00 8.75 8.75	10.00 10.00 10.00 10.00
5	PRE MILESTONE NO HERBICIDE	2 LC		0.0 oz/a	105 207 304 Mean =	10.00 9.00 8.50 9.17	9.00 7.00 9.00 8.33	9.3 8.4 8.4 8.7	0.0 0.0 0.0 0.00	0.00 0.00 0.00 0.00	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	9.00 10.00 9.00 9.33	10.00 13.00 10.00 11.00	10.50 11.00 12.00 11.17	11.00 10.50 8.00 9.83	13.00 10.00 12.00 11.67
6	31 DAP MILESTONE 1X	2 LC		7.0 oz/a	106 202 318 Mean =	5.00 5.00 4.50 4.83	5.00 3.50 5.00 4.50	4.8 5.0 4.4 4.7	100.0 99.0 100.0 99.7	0.00 0.00 0.00 0.00	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00
7	31 DAP MILESTONE 1/5THX	2 LC		1.4 oz/a	107 208 306 Mean =	4.50 5.00 6.00 5.17	5.00 6.00 5.00 5.33	4.9 4.7 5.6 5.1	95.0 90.0 80.0 88.3	4.50 2.50 4.00 3.67	95.0 75.0 25.0 65.0	0.0 10.0 5.0 5.0	2.00 2.50 8.00 4.17	1.50 2.50 8.00 4.00	3.00 3.00 4.00 3.33	2.00 2.50 4.00 2.83	1.50 2.00 3.50 2.33
8	31 DAP MILESTONE 1/10THX	2 LC		0.7 oz/a	108 218 301 Mean =	4.50 7.00 5.00 5.50	5.50 4.50 5.00 5.00	5.1 5.3 4.9 5.1	85.0 85.0 90.0 86.7	4.50 4.00 3.00 3.83	65.0 50.0 85.0 66.7	15.0 5.0 5.0 8.3	2.50 2.00 4.00 2.83	3.00 7.00 3.50 4.50	8.00 4.00 5.00 5.67	6.00 5.00 5.00 5.33	4.00 4.00 3.00 3.67
9	31 DAP MILESTONE 1/100THX	2 LC		0.07 oz/a	109 203 308 Mean =	7.50 8.00 7.75 7.75	6.50 6.50 6.50 6.50	6.3 7.3 6.8 6.8	15.0 10.0 12.5 12.5	2.00 2.00 2.00 2.00	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	9.00 9.00 9.00 9.00	9.00 9.00 9.00 9.25	8.50 10.00 9.25 9.25	7.00 9.00 8.00 8.00	8.00 9.00 8.50 8.50
10	31 DAP MILESTONE NO HERBICIDE	2 LC		0.0 oz/a	110 220 315 Mean =	8.00 9.00 7.50 8.17	8.00 8.00 8.00 8.00	7.5 7.6 7.2 7.4	0.0 0.0 0.0 0.0	0.00 0.00 0.00 0.00	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	12.00 11.00 11.00 11.33	12.00 11.50 11.00 11.50	11.00 10.00 11.50 10.83	10.50 13.00 11.00 11.50	12.50 11.00 11.50 11.67
11	57 DAP MILESTONE 1X	2 LC		7.0 oz/a	111 219 316 Mean =	. .br/>.br/>.	. .br/>.br/>.	. .br/>.br/>.	0.0 0.0 0.0 0.0	0.00 0.00 0.00 0.00	0.0 0.0 0.0 0.0	100.0 100.0 98.0 99.3	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00
12	57 DAP MILESTONE 1/5THX	2 LC		1.4 oz/a	112 213 314 Mean =	. .br/>.br/>.	. .br/>.br/>.	. .br/>.br/>.	40.0 40.0 40.0 40.0	2.00 2.00 2.00 2.00	85.0 80.0 75.0 80.0	30.0 40.0 35.0 35.0	4.50 5.00 4.00 4.50	5.00 4.00 4.00 4.33	5.50 5.00 3.50 4.67	4.50 5.00 5.00 4.83	5.00 6.00 4.00 5.00
13	57 DAP MILESTONE 1/10THX	2 LC		0.7 oz/a	113 212 302 Mean =	. .br/>.br/>.	. .br/>.br/>.	. .br/>.br/>.	40.0 35.0 35.0 36.7	2.00 2.00 2.00 2.00	50.0 65.0 40.0 51.7	20.0 20.0 15.0 18.3	3.50 5.00 4.50 4.33	5.00 5.00 5.00 5.00	5.00 6.00 6.00 5.67	4.50 5.00 6.50 5.33	5.00 5.00 5.00 5.00
14	57 DAP MILESTONE 1/100THX	2 LC		0.07 oz/a	114 201 317 Mean =	. .br/>.br/>.	. .br/>.br/>.	. .br/>.br/>.	10.0 0.0 5.0 5.0	4.00 4.50 4.25 4.25	10.0 0.0 5.0 5.0	0.0 0.0 0.0 0.0	8.00 10.50 9.25 9.25	9.00 11.00 10.00 10.00	10.00 13.00 11.50 11.50	8.00 12.00 10.00 10.00	9.00 13.00 11.00 11.00

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PEANUT RESPONSE TO MILESTONE 3LC (AMINOPYRALID) WEED-FREE - YEAR 1 Trial ID: PE-01B-23 Study Dir.: N. SHAY Location: PONDER FARM Investigator: Eric P. Prostko																	
Crop Code	ARAHY	ARAHY	ARAHY PLANT, -	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy		
Part Rated	Wt4	Wth5	WIDTH-AVG	Stunting	Leaf curl	STEM, -	Necrosis	Ht1	Ht2	Ht3	Ht4	Ht5					
Rating Data Type	IN	IN	IN	%	1-5	EPINASTY, -	%	In	In	In	In	In					
Rating Unit	IN	IN	IN	%	1-5	EPINASTY, -	%	In	In	In	In	In					
Rating Date	Jun-7-23	Jun-7-23	Jun-7-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Plot	32	33	34	35	36	37	38	39	40	41	42	43
15	57 DAP			115		.	.	.	0.0	0.00	0.0	0.0	10.00	10.00	9.00	11.00	9.00
	MILESTONE	2 LC	0.0 oz/a	217		.	.	.	0.0	0.00	0.0	0.0	12.00	11.00	10.50	10.00	11.00
	NO HERBICIDE			305		.	.	.	0.0	0.00	0.0	0.0	10.00	9.00	12.00	11.00	10.00
	Mean =					.	.	.	0.0	0.00	0.0	0.0	10.67	10.00	10.50	10.67	10.00

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PEANUT RESPONSE TO MILESTONE 3LC (AMINOPYRALID) WEED-FREE - YEAR 1																
Trial ID:		PE-01B-23		Study Dir.:		N. SHAY										
Location:		PONDER FARM		Investigator:		Eric P. Prostko										
Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	ARAHY PLANT, - HGT-AVG	Arahy	Arahy	Arahy	Arahy	Arahy	ARAHY PLANT, - WDT-AVG	Arahy	Arahy	Arahy	Arahy	
					IN	Wt1	Wt2	Wt3	Wt4	Wt5	IN	Hgt1	Hgt2	Hgt3	Hgt4	
					IN	In	In	In	In	In	IN	In	In	In	In	
					Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Aug-11-23	Aug-11-23	Aug-11-23	Aug-11-23	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Plot	44	45	46	47	48	49	50	51	52	53	54
1	PRE MILESTONE 1X	2 LC		7.0 oz/a	101 214 312 Mean =	0.0 0.0 0.0 0.0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.0 0.0 0.0 0.0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00
2	PRE MILESTONE 1/5THX	2 LC		1.4 oz/a	102 209 310 Mean =	1.7 0.0 2.8 1.5	3.00 0.00 2.50 1.83	3.00 0.00 2.00 1.67	2.50 0.00 4.00 2.17	2.50 0.00 15.00 5.83	3.50 0.00 16.00 6.50	2.9 0.0 7.9 3.6	5.00 0.00 7.00 4.00	3.50 0.00 4.00 2.50	4.00 0.00 7.00 3.67	4.00 0.00 5.00 3.00
3	PRE MILESTONE 1/10THX	2 LC		0.7 oz/a	103 215 319 Mean =	5.2 2.6 3.6 3.8	7.00 4.00 4.00 5.00	11.00 7.00 14.00 10.67	9.00 12.00 16.00 12.33	4.50 15.00 13.00 10.83	7.00 10.00 15.00 10.67	7.7 9.6 12.4 9.9	8.00 6.00 9.00 7.67	11.00 6.00 8.00 8.33	11.00 4.00 11.00 8.67	10.00 6.00 12.00 9.33
4	PRE MILESTONE 1/100THX	2 LC		0.07 oz/a	104 211 303 Mean =	8.7 .0 9.2 9.0	36.00 .00 36.00 36.00	30.00 .00 36.00 33.00	36.00 .00 36.00 36.00	36.00 .00 36.00 36.00	36.00 .00 36.00 36.00	34.8 0.0 36.0 35.4	12.00 0.00 17.00 14.50	13.00 0.00 17.00 15.00	15.00 0.00 14.00 14.50	12.50 0.00 16.00 14.25
5	PRE MILESTONE NO HERBICIDE	2 LC		0.0 oz/a	105 207 304 Mean =	10.7 10.9 10.2 10.6	36.00 36.00 36.00 36.00	36.00 36.00 30.00 34.00	36.00 36.00 36.00 36.00	36.00 36.00 36.00 36.00	36.00 36.00 25.00 32.33	36.0 36.0 32.6 34.9	13.00 18.00 16.00 15.67	15.00 19.00 18.00 17.33	15.00 18.00 18.00 17.00	15.00 17.00 15.00 15.67
6	31 DAP MILESTONE 1X	2 LC		7.0 oz/a	106 202 318 Mean =	0.0 0.0 0.0 0.0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.0 0.0 0.0 0.0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00
7	31 DAP MILESTONE 1/5THX	2 LC		1.4 oz/a	107 208 306 Mean =	2.0 2.5 5.5 3.3	5.00 5.00 6.00 5.33	2.00 5.00 6.00 4.33	4.00 14.00 9.00 9.00	4.00 13.00 7.00 8.00	4.00 6.00 4.00 4.67	3.8 8.6 6.4 6.3	5.50 6.00 9.00 6.83	6.00 3.00 8.00 5.67	4.00 4.00 10.50 6.17	.00 5.50 6.00 5.75
8	31 DAP MILESTONE 1/10THX	2 LC		0.7 oz/a	108 218 301 Mean =	4.7 4.4 4.1 4.4	5.00 16.00 14.00 11.67	5.00 11.00 12.50 9.50	4.00 12.00 14.00 10.00	6.00 18.00 13.50 12.50	5.00 6.00 13.00 8.00	5.0 12.6 13.4 10.3	7.00 8.00 7.00 7.33	8.00 8.00 7.00 7.67	11.00 9.00 9.00 9.67	6.00 10.50 6.00 7.50
9	31 DAP MILESTONE 1/100THX	2 LC		0.07 oz/a	109 203 308 Mean =	8.3 .0 9.2 8.8	36.00 .00 36.00 36.00	26.00 .00 25.00 25.50	36.00 .00 36.00 36.00	28.00 .00 32.00 30.00	25.00 .00 36.00 30.50	30.2 0.0 33.0 31.6	14.00 0.00 19.00 16.50	13.50 0.00 17.00 15.25	15.00 0.00 20.00 17.50	13.50 0.00 17.00 15.25
10	31 DAP MILESTONE NO HERBICIDE	2 LC		0.0 oz/a	110 220 315 Mean =	11.6 11.3 11.2 11.4	36.00 36.00 36.00 36.00	36.00 36.00 36.00 36.00	36.00 36.00 36.00 36.00	36.00 36.00 36.00 36.00	36.00 20.00 36.00 30.67	36.0 32.8 36.0 34.9	20.00 19.00 18.00 19.00	18.00 18.00 15.50 17.17	17.00 17.00 19.00 17.67	20.50 20.50 18.50 19.83
11	57 DAP MILESTONE 1X	2 LC		7.0 oz/a	111 219 316 Mean =	0.0 0.0 0.0 0.0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.0 0.0 0.0 0.0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00
12	57 DAP MILESTONE 1/5THX	2 LC		1.4 oz/a	112 213 314 Mean =	4.9 5.0 4.1 4.7	24.00 24.00 24.00 24.00	20.00 17.00 22.00 19.67	17.00 25.00 23.00 21.67	20.00 24.00 20.00 21.33	28.00 23.00 22.00 24.33	21.8 22.6 22.2 22.2	4.00 5.00 3.00 4.00	6.50 4.00 4.00 4.83	8.00 4.50 4.00 5.50	5.00 4.00 4.00 4.33
13	57 DAP MILESTONE 1/10THX	2 LC		0.7 oz/a	113 212 302 Mean =	4.6 5.2 5.4 5.1	22.00 21.00 24.00 22.33	21.00 23.00 25.00 23.00	19.00 25.00 21.50 21.83	23.00 24.00 27.50 24.83	25.00 24.00 23.00 24.00	22.0 23.4 24.2 23.2	8.00 7.00 9.00 8.00	0.00 7.00 11.00 6.00	8.00 4.50 9.00 7.17	9.50 9.00 11.00 9.83
14	57 DAP MILESTONE 1/100THX	2 LC		0.07 oz/a	114 201 317 Mean =	8.8 11.9 10.4	36.00 36.00 36.00 36.00	23.00 24.00 23.50 23.50	27.00 30.00 28.50 28.50	36.00 36.00 36.00 36.00	30.00 30.00 30.00 30.00	30.4 31.2 30.8	12.00 16.00 14.00	14.00 16.00 15.00	14.00 16.00 15.00	14.00 17.00 15.50

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PEANUT RESPONSE TO MILESTONE 3LC (AMINOPYRALID) WEED-FREE - YEAR 1 Trial ID: PE-01B-23 Study Dir.: N. SHAY Location: PONDER FARM Investigator: Eric P. Prostko														
Crop Code	ARAHY	Arahy	Arahy	Arahy	Arahy	Arahy	ARAHY	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy
Part Rated	PLANT, -						PLANT, -							
Rating Data Type	HGT-AVG	Wt1	Wt2	Wt3	Wt4	Wt5	WDTH-AVG	Hgt1	Hgt2	Hgt3	Hgt4			
Rating Unit	IN	ln	ln	ln	ln	ln	IN	ln	ln	ln	ln	ln	ln	ln
Rating Date	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Jul-5-23	Aug-11-23	Aug-11-23	Aug-11-23	Aug-11-23	Aug-11-23	Aug-11-23	Aug-11-23
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Plot								
44	45	46	47	48	49	50	51	52	53	54				
15	57 DAP			115		9.8	36.00	36.00	36.00	36.00	36.00	36.00	36.00	36.00
	MILESTONE	2 LC	0.0 oz/a	217		10.9	36.00	36.00	36.00	36.00	36.00	36.00	36.00	36.00
	NO HERBICIDE			305		10.4	36.00	24.00	36.00	36.00	32.00	32.8	.	.
				Mean =		10.4	36.00	32.00	36.00	36.00	34.67	34.9	18.00	18.00
													16.50	16.75

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PEANUT RESPONSE TO MILESTONE 3LC (AMINOPYRALID)
 WEED-FREE - YEAR 1
 Trial ID: PE-01B-23 Study Dir.: N. SHAY
 Location: PONDER FARM Investigator: Eric P. Prostko

Crop Code				Arahy	ARAHY	ARAHY	ARAHY	ARAHY		
Part Rated				Hgt5	PLANT, -	DIRTY, -	CLEAN, -	CLEAN, -		
Rating Data Type				In	HGT-AVG	YIELD	YIELD	YIELD		
Rating Unit				Aug-11-23	Aug-11-23	LBS/PLOT	LBS/PLOT	LBS/A		
Rating Date						Sep-21-23	Sep-21-23	Sep-21-23		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Plot	55	56	57	58	59
1	PRE				101	0.00	0.0	0.0	0.0	0
	MILESTONE	2 LC		7.0 oz/a	214	0.00	0.0	0.0	0.0	0
	1X				312	0.00	0.0	0.0	0.0	0
					Mean =	0.00	0.0	0.0	0.0	0
2	PRE				102	3.00	3.9	0.0	0.0	0
	MILESTONE	2 LC		1.4 oz/a	209	0.00	0.0	0.0	0.0	0
	1/5THX				310	5.00	5.6	1.6	1.6	429
					Mean =	2.67	3.2	0.5	0.5	143
3	PRE				103	11.00	10.2	8.1	7.9	2169
	MILESTONE	2 LC		0.7 oz/a	215	4.00	5.2	3.6	3.5	964
	1/10THX				319	9.00	9.8	8.5	8.3	2277
					Mean =	8.00	8.4	6.7	6.6	1803
4	PRE				104	15.00	13.5	15.4	15.1	4125
	MILESTONE	2 LC		0.07 oz/a	211	.	.	.	.	.
	1/100THX				303	17.00	16.2	22.2	21.8	5946
					Mean =	16.00	14.9	18.8	18.4	5035
5	PRE				105	16.00	14.8	12.4	12.2	3321
	MILESTONE	2 LC		0.0 oz/a	207	18.50	18.1	22.6	22.1	6053
	NO HERBICIDE				304	15.50	16.5	20.4	20.0	5464
					Mean =	16.67	16.5	18.5	18.1	4946
6	31 DAP				106	0.00	0.0	0.0	0.0	0
	MILESTONE	2 LC		7.0 oz/a	202	0.00	0.0	0.0	0.0	0
	1X				318	0.00	0.0	0.0	0.0	0
					Mean =	0.00	0.0	0.0	0.0	0
7	31 DAP				107	.	.	0.0	0.0	0
	MILESTONE	2 LC		1.4 oz/a	208	5.50	4.8	1.0	1.0	268
	1/5THX				306	8.00	8.3	6.9	6.8	1848
					Mean =	6.75	6.6	2.6	2.6	705
8	31 DAP				108	5.00	7.4	5.7	5.6	1527
	MILESTONE	2 LC		0.7 oz/a	218	9.00	8.9	4.0	3.9	1071
	1/10THX				301	8.50	7.5	2.6	2.5	696
					Mean =	7.50	7.9	4.1	4.0	1098
9	31 DAP				109	13.00	13.8	14.0	13.7	3750
	MILESTONE	2 LC		0.07 oz/a	203	.	.	.	.	.
	1/100THX				308	17.00	18.0	19.2	18.8	5142
					Mean =	15.00	15.9	16.6	16.3	4446
10	31 DAP				110	17.00	18.5	23.6	23.1	6321
	MILESTONE	2 LC		0.0 oz/a	220	17.00	18.3	24.1	23.6	6455
	NO HERBICIDE				315	18.00	17.8	22.2	21.8	5946
					Mean =	17.33	18.2	23.3	22.8	6241
11	57 DAP				111	0.00	0.0	0.0	0.0	0
	MILESTONE	2 LC		7.0 oz/a	219	0.00	0.0	0.0	0.0	0
	1X				316	0.00	0.0	0.0	0.0	0
					Mean =	0.00	0.0	0.0	0.0	0
12	57 DAP				112	6.00	5.9	2.9	2.8	777
	MILESTONE	2 LC		1.4 oz/a	213	4.00	4.3	1.1	1.1	295
	1/5THX				314	4.50	3.9	0.0	0.0	0
					Mean =	4.83	4.7	1.3	1.3	357
13	57 DAP				113	9.00	6.9	5.3	5.2	1420
	MILESTONE	2 LC		0.7 oz/a	212	9.50	7.4	5.6	5.5	1500
	1/10THX				302	9.50	9.9	7.9	7.7	2116
					Mean =	9.33	8.1	6.3	6.1	1678
14	57 DAP				114	13.00	13.4	13.6	13.3	3643
	MILESTONE	2 LC		0.07 oz/a	201
	1/100THX				317	15.00	16.0	20.8	20.4	5571
					Mean =	14.00	14.7	17.2	16.9	4607

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PEANUT RESPONSE TO MILESTONE 3LC (AMINOPYRALID)
 WEED-FREE - YEAR 1
 Trial ID: PE-01B-23 Study Dir.: N. SHAY
 Location: PONDER FARM Investigator: Eric P. Prostko

Crop Code					Arahy	ARAHY	ARAHY	ARAHY	ARAHY	
Part Rated					Hgt5	PLANT, -	DIRTY, -	CLEAN, -	CLEAN, -	
Rating Data Type					In	HGT-AVG	YIELD	YIELD	YIELD	
Rating Unit					Aug-11-23	IN	LBS/PLOT	LBS/PLOT	LBS/A	
Rating Date					Aug-11-23	Aug-11-23	Sep-21-23	Sep-21-23	Sep-21-23	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Plot	55	56	57	58	59
15	57 DAP				115	16.00	16.8	17.6	17.2	4714
	MILESTONE	2	LC	0.0 oz/a	217	16.50	17.4	23.2	22.7	6214
	NO HERBICIDE				305	.	.	21.8	21.4	5839
				Mean =		16.25	17.1	20.9	20.4	5589

University of Georgia

PEANUT RESPONSE TO MILESTONE 3LC (AMINOPYRALID)			
WEED-FREE - YEAR 1			
Trial ID:	PE-01B-23	Study Dir.:	N. SHAY
Location:	PONDER FARM	Investigator:	Eric P. Prostko

<p><u>Part Rated</u></p> <p>STEM = STEM / CULM or STALK</p> <p>PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)</p> <p><u>Rating Unit</u></p> <p>% = PERCENT</p> <p>1-5 = 1-5 INDEX/SCALE</p> <p>In = INCH</p> <p><u>ARM Action Codes</u></p> <p>T1 = $([C7]+[C8]+[C9]+[C10]+[C11])/5$</p> <p>T2 = $([C13]+[C14]+[C15]+[C16]+[C17])/5$</p> <p>T5 = $([C23]+[C24]+[C25]+[C26]+[C27])/5$</p> <p>T6 = $([C29]+[C30]+[C31]+[C32]+[C33])/5$</p> <p>T7 = $([C39]+[C40]+[C41]+[C42]+[C43])/5$</p> <p>T8 = $([C45]+[C46]+[C47]+[C48]+[C49])/5$</p> <p>T9 = $([51]+[52]+[53]+[54]+[55])/5$</p> <p>T3 = $[C57]*0.98$</p> <p>TY4 = $273.29866667*[C58]$</p>
