

University of Georgia

PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR)			
YEAR 3			
Trial ID:	PE-09-22	Study Dir.:	CHAD ABBOTT
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	Rep 2	Rep 3
1	ARSENAL POWERLINE PRE	2 AS		0.0 oz/a		-	101	202	314
2	ARSENAL POWERLINE 30 DAP	2 AS		0.0 oz/a		-	102	211	303
3	ARSENAL POWERLINE 61 DAP	2 AS		0.0 oz/a		-	103	214	312
4	ARSENAL POWERLINE PRE	2 AS		0.24 oz/a	0.1875 mL/mx	-	104	206	305
5	ARSENAL POWERLINE 30 DAP	2 AS		0.24 oz/a	0.1875 mL/mx	-	105	204	301
6	ARSENAL POWERLINE 61 DAP	2 AS		0.24 oz/a	0.1875 mL/mx	-	106	203	309
7	ARSENAL POWERLINE PRE	2 AS		2.4 oz/a	1.875 mL/mx	-	107	209	315
8	ARSENAL POWERLINE 30 DAP	2 AS		2.4 oz/a	1.875 mL/mx	-	108	215	307
9	ARSENAL POWERLINE 61 DAP	2 AS		2.4 oz/a	1.875 mL/mx	-	109	205	304
10	ARSENAL POWERLINE PRE	2 AS		4.8 oz/a	3.75 mL/mx	-	110	213	311
11	ARSENAL POWERLINE 30 DAP	2 AS		4.8 oz/a	3.75 mL/mx	-	111	201	313
12	ARSENAL POWERLINE 61 DAP	2 AS		4.8 oz/a	3.75 mL/mx	-	112	207	310
13	ARSENAL POWERLINE PRE	2 AS		24 oz/a	18.75 mL/mx	-	113	208	306
14	ARSENAL POWERLINE 30 DAP	2 AS		24 oz/a	18.75 mL/mx	-	114	210	308
15	ARSENAL POWERLINE 61 DAP	2 AS		24 oz/a	18.75 mL/mx	-	115	212	302

Sort Order: Treatment

Trial Comments

MAINTAINED WEED-FREE

STRONGARM @ 0.45 OZ/A + PROWL H2O @ 32 OZ/A - PRE (05/04/21)

CADRE @ 4 OZ/A + DUAL MAGNUM @ 16 OZ/A - 06/03/21

CADRE @ 4 OZ/A + NIS - 06/01/22

MISSING YIELD DATA IN PLOT#211 BAGGING ERROR

DIGGING DATE: 09/19/22 (148 DAYS)

HARVEST DATE: 09/23/22

HARVEST MOISTURE: 11.2%

YIELDS ADJUSTED TO 10%

2% YIELD DEDUCTION FOR FM

SUMMARY:

1) ON AUGUST 4 (102 DAP), PEANUT PLANT HEIGHTS WERE REDUCED BY THE FOLLOWING:

a) ARSENAL APPLIED PRE OR 61 DAP AT 1/10THX, 1/5THX, AND 1X

b) ARESENAL APPLIED 30 DAP AT 1X

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PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR)

YEAR 3

Trial ID:	PE-09-22	Study Dir.:	CHAD ABBOTT
Location:	PONDER FARM	Investigator:	Eric P. Prostko

2) ON AUGUST 4 (102 DAP), PEANUT PLANT WIDTHS WERE REDUCED BY THE FOLLOWING:

a) ARSENAL APPLIED PRE AT 1/10THX, 1/5THX, AND 1X

b) ARESENAL APPLIED 30 DAP AT 1X

3) PEANUT YIELDS WERE REDUCED BY THE FOLLOWING ARSENAL TREATMENTS:

PRE APPLICATIONS

1/10THX = 49.8%

1/5THX = 79.7%

1X = 93.8%

30 DAP APPLICATIONS

1/5THX = 23.8%

1X = 68.5%

61 DAP APPLICATIONS

1X = 44.9%

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PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR)

YEAR 3

Trial ID: PE-09-22 Study Dir.: CHAD ABBOTT
 Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: CHAD ABBOTT Title: _____
 Affiliation: _____ Postal Code: _____

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

Trial Status: E Initiation Date: _____ Country: _____
 City: _____ State/Prov.: _____ Postal Code: _____
 Conducted Under GLP (Y/N): N Conducted Under GEP (Y/N): N

Objective:

Conclusions:

CROP AND PEST DESCRIPTION

Weed 1. _____ 2. _____

Crop 1: ARAHY PEANUT Variety: GA-06G Planting Date: Apr-25-22
 Planting Method: MONOSEM TWIN ROW Rate: 3.1 SEED/FT Depth: 2 IN
 Perennial Age: _____ Row Spacing: _____ Seed Bed: _____
 Soil Temperature: _____ Soil Moisture: OPTIMUM Emergence Date: _____

Plot Width, Unit: 6 FT Plot Length, Unit: 25 FT Reps: 3
 Site Type: _____ Study Design: FACTOR
 Tillage Type: CONVENTIONAL
 Trial Initiation Comments: 1.5 TON/A LIME; 300 LBS/A 5-15-30 PREPLANT; THIMET
 20G INFR @ 5 LBS/A; RANCONA SEED TRT; 36"-9" TWIN ROW SPACING; 1000 LBS/A GYPSUM

Previous: Crops Pesticides Year
 1. COTTON/PEANUT 2021 _____

MAINTENANCE

Field Prep./Maintenance: _____

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

SOIL DESCRIPTION

Texture: SAND % OM: 0.53 % Sand: 92 % Silt: 6 % Clay: 2
 pH: 6.0 CEC: 2.6 Soil Name: DOTHAN Fertility Level: GOOD

MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. Apr-26-22	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
2. May-2-22	_____	0.35	IN	SPRINKLER - LATERAL MOVE	_____	_____
3. May-5-22	_____	0.2	IN	SPRINKLER - LATERAL MOVE	_____	_____
4. May-6-22	_____	0.45	IN	RAINFALL	_____	_____
5. May-10-22	_____	0.38	IN	SPRINKLER - LATERAL MOVE	_____	_____
6. May-17-22	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
7. May-24-22	_____	1.8	IN	RAINFALL	8	HR
8. Jun-1-22	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
9. Jun-3-22	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
10. Jun-7-22	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
11. _____	_____	_____	IN	_____	_____	_____
12. _____	_____	_____	IN	_____	_____	_____
13. _____	_____	_____	IN	_____	_____	_____
14. _____	_____	_____	IN	_____	_____	_____
15. _____	_____	_____	IN	_____	_____	_____
16. _____	_____	_____	IN	_____	_____	_____
17. _____	_____	_____	IN	_____	_____	_____
18. _____	_____	_____	IN	_____	_____	_____
19. _____	_____	_____	IN	_____	_____	_____

Overall Moisture Conditions: _____

Closest Weather Station: _____ Distance: _____ Unit: _____

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PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR)

YEAR 3

Trial ID: PE-09-22 Study Dir.: CHAD ABBOTT
 Location: PONDER FARM Investigator: Eric P. Prostko

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	Apr-26-22	May-24-22	Jun-24-22			
Time of Day:	7:30 AM	8:00 AM	6:30 AM			
Application Method:	BROADCAST	BROADCAST	BROADCAST			
Application Timing:	PRE	30 DAP	61 DAP			
Applic. Placement:	SOIL	FOLIAGE	FOLIAGE			
Air Temp., Unit:	65 F	71 F	79 F			
% Relative Humidity:	91	94	86			
Wind Velocity, Unit:	1 MPH	1 MPH	0 y			
Dew Presence (Y/N):	N	Y	Y			
Water Hardness:	--	--	--			
Soil Temp., Unit:	68 F	70 F	79 F			
Soil Moisture:	DRY	OPTIMUM	OPTIMUM			
% Cloud Cover:	40	75	10			

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Crop 1 Stage: ARAHY	V6	R4				
Stage Scale:	6" WIDE	27" WIDE				
Height, Unit:	3 IN	9 IN				

WEED STAGE AT EACH APPLICATION

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

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	BACKPACK	SAME AS A	SAME AS A			
Operating Pressure:	36					
Nozzle Type:	AIXR					
Nozzle Size:	11002					
Nozzle Spacing, Unit:	20 IN					
Nozzles/Row:						
Band Width, Unit:						
Boom Length, Unit:	60 IN					
Boom Height, Unit:	20 IN					
Ground Speed, Unit:	3.5 MPH					
Incorporation Equip.:						
Hours to Incorp.:						
Incorp. Depth, Unit:						
Carrier:	WATER					
Spray Volume, Unit:	15 GPA					
Spray pH:						
Propellant:	CO2					
Tank Mix (Y/N):						

Trt No	Treatment Application Comment

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PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR)									
YEAR 3									
Trial ID:		PE-09-22		Study Dir.:		CHAD ABBOTT			
Location:		PONDER FARM		Investigator:		Eric P. Prostko			
Weed Code				Arahy Stand #/5ft May-5-22	Arahy Plant, - Stand #/5ft May-11-22	Arahy Plant, - Stunting % May-11-22	Arahy Plant, - Chlorosi % May-11-22	Arahy Stand #/5ft May-25-22	Arahy Plant, - Stunting % May-26-22
Crop Code									
Part Rated									
Rating Data Type									
Rating Unit									
Rating Date									
Trt Treatment		Form Form		Rate					
No. Name		Conc Type		Rate Unit					
				1	2	3	4	5	6
TABLE OF R MEANS									
Replicate 1				22.4	26.5	15.7	1.7	27.3	15.7
Replicate 2				20.9	25.5	13.7	5.0	26.2	18.0
Replicate 3				21.1	25.6	17.0	7.3	26.3	21.3
TABLE OF A (GARLON RATE) MEANS									
1	ARSENAL POWERLINE	2 AS	0.0 oz/a	24.6 a	27.6 a	0.0 c	0.0 c	27.4 a	0.0 d
2	ARSENAL POWERLINE	2 AS	0.24 oz/a	24.6 a	26.2 a	5.0 c	2.2 bc	26.3 a	6.7 c
3	ARSENAL POWERLINE	2 AS	2.4 oz/a	22.3 a	25.8 a	16.7 b	6.1 ab	26.7 a	23.3 b
4	ARSENAL POWERLINE	2 AS	4.8 oz/a	18.3 b	26.6 a	27.2 a	6.1 ab	26.8 a	31.7 a
5	ARSENAL POWERLINE	2 AS	24 oz/a	17.6 b	23.1 b	28.3 a	8.9 a	25.8 a	30.0 a
LSD P=.10				2.68	2.05	6.96	4.51	2.30	5.43
Standard Deviation				3.05	2.33	7.94	5.15	2.63	6.19
CV				14.22	9.03	51.41	110.37	9.88	33.77
TABLE OF B (GARLON TIMING) MEANS									
1	PRE			14.1 b	23.7 b	46.3 a	14.0 a	25.8 a	46.3 a
2	30 DAP			24.7 a	26.0 ab	0.0 b	0.0 b	26.7 a	8.7 b
3	61 DAP			25.5 a	27.8 a	0.0 b	0.0 b	27.3 a	0.0 c
LSD P=.10				1.45	2.39	5.06	8.59	1.14	5.27
Standard Deviation				1.86	3.07	6.50	11.03	1.46	6.77
CV				8.67	11.88	42.07	236.36	5.49	36.93
TABLE OF A (GARLON RATE) B (GARLON TIMING) MEANS									
1	ARSENAL POWERLINE	2 AS	0.0 oz/a	24.7 ab	27.0 a	0.0 d	0.0 c	27.3 a	0.0 e
1	PRE								
2	ARSENAL POWERLINE	2 AS	0.24 oz/a	23.7 b	26.3 ab	15.0 c	6.7 c	25.3 a	16.7 cd
1	PRE								
3	ARSENAL POWERLINE	2 AS	2.4 oz/a	13.0 c	23.3 b	50.0 b	18.3 b	27.0 a	60.0 b
1	PRE								
4	ARSENAL POWERLINE	2 AS	4.8 oz/a	7.3 d	27.0 a	81.7 a	18.3 b	25.7 a	71.7 ab
1	PRE								
5	ARSENAL POWERLINE	2 AS	24 oz/a	2.0 e	15.0 c	85.0 a	26.7 a	23.7 a	83.3 a
1	PRE								
1	ARSENAL POWERLINE	2 AS	0.0 oz/a	25.3 ab	27.7 a	0.0 d	0.0 c	27.3 a	0.0 e
2	30 DAP								
2	ARSENAL POWERLINE	2 AS	0.24 oz/a	24.3 ab	25.3 ab	0.0 d	0.0 c	26.7 a	3.3 e
2	30 DAP								
3	ARSENAL POWERLINE	2 AS	2.4 oz/a	25.3 ab	25.7 ab	0.0 d	0.0 c	26.0 a	10.0 de
2	30 DAP								
4	ARSENAL POWERLINE	2 AS	4.8 oz/a	24.0 b	25.0 ab	0.0 d	0.0 c	28.0 a	23.3 c
2	30 DAP								
5	ARSENAL POWERLINE	2 AS	24 oz/a	24.7 ab	26.3 ab	0.0 d	0.0 c	25.7 a	6.7 de
2	30 DAP								
1	ARSENAL POWERLINE	2 AS	0.0 oz/a	23.7 b	28.0 a	0.0 d	0.0 c	27.7 a	0.0 e
3	61 DAP								
2	ARSENAL POWERLINE	2 AS	0.24 oz/a	25.7 ab	27.0 a	0.0 d	0.0 c	27.0 a	0.0 e
3	61 DAP								

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 ARSENAL POWERLINE 2AS (IMAZAPYR)									
YEAR 3									
Trial ID:		PE-09-22		Study Dir.:		CHAD ABBOTT			
Location:		PONDER FARM		Investigator:		Eric P. Prostko			
Weed Code				Arahy	Arahy	Arahy	Arahy	Arahy	Arahy
Crop Code				Stand	Plant, -	Plant, -	Plant, -	Stand	Plant, -
Part Rated				#/5ft	Stand	Stunting	Chlorosi	#/5ft	Stunting
Rating Data Type					#/5ft	%	%		%
Rating Unit				May-5-22	May-11-22	May-11-22	May-11-22	May-25-22	May-26-22
Rating Date									
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit				
3	ARSENAL POWERLINE	2	AS	2.4	oz/a	1	2	3	4
3	61 DAP					28.7 a	28.3 a	0.0 d	0.0 c
4	ARSENAL POWERLINE	2	AS	4.8	oz/a	5	6		
3	61 DAP					23.7 b	27.7 a	0.0 d	0.0 c
5	ARSENAL POWERLINE	2	AS	24	oz/a	26.0 ab	28.0 a	0.0 d	0.0 c
3	61 DAP							28.0 a	0.0 e
LSD P=.10						4.55	3.48	11.32	7.34
Standard Deviation						3.19	2.44	7.94	5.15
CV						14.86	9.44	51.41	110.37
								2.42	12.43
								1.70	8.72
								6.38	47.56

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

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University of Georgia

PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR) YEAR 3						
Trial ID: PE-09-22		Study Dir.: CHAD ABBOTT				
Location: PONDER FARM		Investigator: Eric P. Prostko				
Weed Code		Arahy Leaf, - Chlorosi %	Arahy Plant, - Stunting %	Arahy Plant, - Chlorosi %	Arahy Plant, - Ht1 In	Arahy Plant, - Ht2 In
Crop Code						Arahy Plant, - Ht3 In
Part Rated						
Rating Data Type						
Rating Unit						
Rating Date		May-26-22	Jun-8-22	Jun-8-22	Jun-29-22	Jun-29-22
Trt Treatment No. Name	Form Form Conc Type Rate Unit	7	8	9	10	11
TABLE OF R MEANS						12
Replicate 1		9.3	25.3	6.0	7.37	7.63
Replicate 2		14.7	24.7	10.3	6.97	7.17
Replicate 3		12.7	24.7	10.3	7.03	6.80
TABLE OF A (GARLON RATE) MEANS						
1 ARSENAL POWERLINE	2 AS 0.0 oz/a	0.0 c	0.0 e	0.0 c	9.72 a	10.17 a
2 ARSENAL POWERLINE	2 AS 0.24 oz/a	1.7 c	5.0 d	1.7 c	8.83 a	8.94 b
3 ARSENAL POWERLINE	2 AS 2.4 oz/a	15.6 b	30.6 c	12.2 b	6.89 b	6.33 c
4 ARSENAL POWERLINE	2 AS 4.8 oz/a	18.3 b	42.8 b	12.8 b	5.50 c	5.83 c
5 ARSENAL POWERLINE	2 AS 24 oz/a	25.6 a	46.1 a	17.8 a	4.67 c	4.72 d
LSD P=.10		3.49	3.03	3.28	0.983	1.006
Standard Deviation		3.98	3.46	3.75	1.122	1.148
CV		32.56	13.89	42.14	15.750	15.945
TABLE OF B (GARLON TIMING) MEANS						
1 PRE		20.7 a	46.0 a	13.0 a	5.33 c	5.57 c
2 30 DAP		16.0 b	28.7 b	13.7 a	6.80 b	6.73 b
3 61 DAP		0.0 c	0.0 c	0.0 b	9.23 a	9.30 a
LSD P=.10		4.18	2.09	4.36	0.299	0.678
Standard Deviation		5.37	2.69	5.60	0.384	0.871
CV		43.98	10.80	63.03	5.387	12.095
TABLE OF A (GARLON RATE) B (GARLON TIMING) MEANS						
1 ARSENAL POWERLINE	2 AS 0.0 oz/a	0.0 e	0.0 g	0.0 d	10.17 a	10.33 ab
1 PRE						9.50 ab
2 ARSENAL POWERLINE	2 AS 0.24 oz/a	3.3 e	8.3 f	3.3 d	7.83 bc	8.33 c
1 PRE						9.17 a-d
3 ARSENAL POWERLINE	2 AS 2.4 oz/a	26.7 c	58.3 c	13.3 c	4.33 de	4.33 ef
1 PRE						4.33 fg
4 ARSENAL POWERLINE	2 AS 4.8 oz/a	33.3 b	75.0 b	21.7 ab	3.00 ef	3.00 fg
1 PRE						3.33 g
5 ARSENAL POWERLINE	2 AS 24 oz/a	40.0 a	88.3 a	26.7 a	1.33 f	1.83 g
1 PRE						1.50 h
1 ARSENAL POWERLINE	2 AS 0.0 oz/a	0.0 e	0.0 g	0.0 d	9.33 ab	9.17 bc
2 30 DAP						10.17 a
2 ARSENAL POWERLINE	2 AS 0.24 oz/a	1.7 e	6.7 fg	1.7 d	9.17 ab	9.17 bc
2 30 DAP						8.33 bcd
3 ARSENAL POWERLINE	2 AS 2.4 oz/a	20.0 d	33.3 e	23.3 a	6.83 c	6.33 d
2 30 DAP						6.83 e
4 ARSENAL POWERLINE	2 AS 4.8 oz/a	21.7 d	53.3 cd	16.7 bc	5.00 d	5.50 de
2 30 DAP						5.33 f
5 ARSENAL POWERLINE	2 AS 24 oz/a	36.7 ab	50.0 d	26.7 a	3.67 de	3.50 f
2 30 DAP						3.17 g
1 ARSENAL POWERLINE	2 AS 0.0 oz/a	0.0 e	0.0 g	0.0 d	9.67 a	11.00 a
3 61 DAP						9.33 abc
2 ARSENAL POWERLINE	2 AS 0.24 oz/a	0.0 e	0.0 g	0.0 d	9.50 ab	9.33 bc
3 61 DAP						9.00 a-d

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

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YEAR 3						
Trial ID:	PE-09-22	Study Dir.:	CHAD ABBOTT			
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
Weed Code						
Crop Code						
Part Rated						
Rating Data Type						
Rating Unit						
Rating Date						
Trt Treatment	Form Form	Rate				
No. Name	Conc Type Rate Unit					
3 ARSENAL POWERLINE	2 AS 2.4 oz/a					
3 61 DAP						
4 ARSENAL POWERLINE	2 AS 4.8 oz/a					
3 61 DAP						
5 ARSENAL POWERLINE	2 AS 24 oz/a					
3 61 DAP						
LSD P=.10						
Standard Deviation						
CV						

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

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

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PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR) YEAR 3						
Trial ID: PE-09-22		Study Dir.: CHAD ABBOTT				
Location: PONDER FARM		Investigator: Eric P. Prostko				
Weed Code		Arahy Plant, -	Arahy Plant, -	Arahy Plant, -	Arahy Plant, -	Arahy Plant, -
Crop Code		Ht4	Ht5	HGT-AVG	Wt1	Wt2
Part Rated		In	In	In	In	In
Rating Data Type						
Rating Unit						
Rating Date		Jun-29-22	Jun-29-22	Jun-29-22	Jun-29-22	Jun-29-22
Trt Treatment	Form Form	Rate				
No. Name	Conc Type Rate Unit					
		13	14	15	16	17
TABLE OF R MEANS						
Replicate 1		6.93	7.00	7.2	22.8	22.7
Replicate 2		7.00	7.00	7.0	23.1	22.3
Replicate 3		6.80	7.07	6.9	22.8	22.3
TABLE OF A (GARLON RATE) MEANS						
1 ARSENAL POWERLINE	2 AS 0.0 oz/a	9.61 a	9.61 a	9.8 a	28.6 a	28.3 a
2 ARSENAL POWERLINE	2 AS 0.24 oz/a	8.33 b	9.39 a	8.9 b	27.7 a	26.2 b
3 ARSENAL POWERLINE	2 AS 2.4 oz/a	6.22 c	6.11 b	6.4 c	22.1 b	21.7 c
4 ARSENAL POWERLINE	2 AS 4.8 oz/a	5.94 c	5.50 b	5.7 c	19.0 c	19.2 d
5 ARSENAL POWERLINE	2 AS 24 oz/a	4.44 d	4.50 c	4.5 d	17.2 d	16.8 e
LSD P=.10		0.942	0.846	0.76	1.46	1.42
Standard Deviation		1.075	0.965	0.87	1.67	1.62
CV		15.554	13.747	12.32	7.27	7.20
TABLE OF B (GARLON TIMING) MEANS						
1 PRE		5.60 c	5.60 c	5.5 c	18.9 c	17.8 c
2 30 DAP		6.67 b	7.03 b	6.8 b	23.1 b	22.8 b
3 61 DAP		8.47 a	8.43 a	8.8 a	26.8 a	26.7 a
LSD P=.10		0.966	0.553	0.42	1.28	1.83
Standard Deviation		1.241	0.711	0.54	1.64	2.36
CV		17.950	10.125	7.66	7.16	10.50
TABLE OF A (GARLON RATE) B (GARLON TIMING) MEANS						
1 ARSENAL POWERLINE	2 AS 0.0 oz/a	9.83 a	9.50 ab	9.9 a	29.7 a	29.0 a
1 PRE						
2 ARSENAL POWERLINE	2 AS 0.24 oz/a	8.00 bcd	9.67 ab	8.6 abc	27.0 abc	23.0 d
1 PRE						
3 ARSENAL POWERLINE	2 AS 2.4 oz/a	4.50 fg	4.00 de	4.3 ef	15.3 e	14.7 f
1 PRE						
4 ARSENAL POWERLINE	2 AS 4.8 oz/a	3.83 fg	2.83 ef	3.2 f	11.3 f	11.7 fg
1 PRE						
5 ARSENAL POWERLINE	2 AS 24 oz/a	1.83 h	2.00 f	1.7 g	11.0 f	10.7 g
1 PRE						
1 ARSENAL POWERLINE	2 AS 0.0 oz/a	9.50 ab	10.00 a	9.6 ab	28.0 ab	27.7 abc
2 30 DAP						
2 ARSENAL POWERLINE	2 AS 0.24 oz/a	8.67 abc	9.50 ab	9.0 abc	28.7 ab	27.3 abc
2 30 DAP						
3 ARSENAL POWERLINE	2 AS 2.4 oz/a	6.50 de	7.00 c	6.7 d	24.0 c	25.3 bcd
2 30 DAP						
4 ARSENAL POWERLINE	2 AS 4.8 oz/a	5.33 ef	5.33 d	5.3 e	19.7 d	19.3 e
2 30 DAP						
5 ARSENAL POWERLINE	2 AS 24 oz/a	3.33 gh	3.33 ef	3.4 f	15.0 e	14.3 f
2 30 DAP						
1 ARSENAL POWERLINE	2 AS 0.0 oz/a	9.50 ab	9.33 ab	9.8 ab	28.0 ab	28.3 ab
3 61 DAP						
2 ARSENAL POWERLINE	2 AS 0.24 oz/a	8.33 abc	9.00 ab	9.0 abc	27.3 abc	28.3 ab
3 61 DAP						

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.

PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR)										
YEAR 3										
Trial ID:		PE-09-22		Study Dir.:		CHAD ABBOTT				
Location:		PONDER FARM		Investigator:		Eric P. Prostko				
Weed Code				Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	
Crop Code				Plant, -	Plant, -	Plant, -	Plant, -	Plant, -	Plant, -	
Part Rated				Ht4	Ht5	HGT-AVG	Wt1	Wt2	Wt3	
Rating Data Type				In	In	In	In	In	In	
Rating Unit				Jun-29-22	Jun-29-22	Jun-29-22	Jun-29-22	Jun-29-22	Jun-29-22	
Rating Date										
Trt	Treatment	Form	Form	Rate						
No.	Name	Conc	Type	Rate Unit	13	14	15	16	17	
3	ARSENAL POWERLINE	2 AS		2.4 oz/a	7.67 cd	7.33 c	8.1 c	27.0 abc	25.0 cd	
3	61 DAP								25.0 bc	
4	ARSENAL POWERLINE	2 AS		4.8 oz/a	8.67 abc	8.33 bc	8.6 abc	26.0 bc	26.7 abc	
3	61 DAP								25.0 bc	
5	ARSENAL POWERLINE	2 AS		24 oz/a	8.17 a-d	8.17 bc	8.4 bc	25.7 bc	25.3 bcd	
3	61 DAP								26.3 abc	
LSD P=.10					1.816	1.606	1.39	3.35	3.10	2.95
Standard Deviation					1.274	1.127	0.98	2.35	2.18	2.07
CV					18.429	16.045	13.86	10.27	9.70	9.33

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 ARSENAL POWERLINE 2AS (IMAZAPYR) YEAR 3						
Trial ID: PE-09-22		Study Dir.: CHAD ABBOTT				
Location: PONDER FARM		Investigator: Eric P. Prostko				
Weed Code		Arahy Plant, - Wt4 In	Arahy Plant, - Wt5 In	Arahy Plant, - WDT-AVG In	Arahy Plant, - Lapping %	Arahy Plant, - Ht1 In
Crop Code						
Part Rated						
Rating Data Type						
Rating Unit						
Rating Date		Jun-29-22	Jun-29-22	Jun-29-22	Jun-29-22	Jul-21-22
Trt Treatment No. Name	Form Form Conc Type Rate Unit	19	20	21	22	23
TABLE OF R MEANS						
Replicate 1		22.1	21.1	22.2	20.7	9.87
Replicate 2		22.3	22.0	22.4	13.0	11.43
Replicate 3		22.5	22.8	22.5	14.3	10.80
TABLE OF A (GARLON RATE) MEANS						
1 ARSENAL POWERLINE	2 AS 0.0 oz/a	29.1 a	27.8 a	28.4 a	52.2 a	15.22 a
2 ARSENAL POWERLINE	2 AS 0.24 oz/a	25.6 b	25.2 b	26.1 b	15.6 b	14.83 a
3 ARSENAL POWERLINE	2 AS 2.4 oz/a	20.7 c	21.0 c	21.3 c	3.9 c	10.11 b
4 ARSENAL POWERLINE	2 AS 4.8 oz/a	18.8 d	18.9 cd	18.9 d	4.4 c	7.39 c
5 ARSENAL POWERLINE	2 AS 24 oz/a	17.3 e	17.0 d	17.1 e	3.9 c	5.94 c
LSD P=.10		1.35	2.26	1.03	9.25	1.823
Standard Deviation		1.54	2.58	1.17	10.55	2.079
CV		6.92	11.73	5.25	65.96	19.433
TABLE OF B (GARLON TIMING) MEANS						
1 PRE		18.2 c	18.3 c	18.2 c	15.0 a	8.70 b
2 30 DAP		22.1 b	21.9 b	22.4 b	12.0 a	11.50 a
3 61 DAP		26.5 a	25.7 a	26.4 a	21.0 a	11.90 a
LSD P=.10		2.25	1.72	1.29	9.18	1.210
Standard Deviation		2.89	2.21	1.66	11.80	1.555
CV		12.97	10.06	7.42	73.73	14.529
TABLE OF A (GARLON RATE) B (GARLON TIMING) MEANS						
1 ARSENAL POWERLINE	2 AS 0.0 oz/a	28.7 ab	28.3 a	28.9 a	63.3 a	15.17 a
1 PRE						
2 ARSENAL POWERLINE	2 AS 0.24 oz/a	24.7 cde	25.0 bc	24.7 ef	11.7 a	14.17 a
1 PRE						
3 ARSENAL POWERLINE	2 AS 2.4 oz/a	14.3 g	15.0 de	14.7 h	0.0 a	7.33 a
1 PRE						
4 ARSENAL POWERLINE	2 AS 4.8 oz/a	11.7 h	12.3 ef	11.8 i	0.0 a	4.17 a
1 PRE						
5 ARSENAL POWERLINE	2 AS 24 oz/a	11.7 h	11.0 f	11.1 i	0.0 a	2.67 a
1 PRE						
1 ARSENAL POWERLINE	2 AS 0.0 oz/a	28.7 ab	27.7 ab	27.7 abc	43.3 a	15.50 a
2 30 DAP						
2 ARSENAL POWERLINE	2 AS 0.24 oz/a	26.3 bcd	25.7 abc	27.1 a-d	16.7 a	15.67 a
2 30 DAP						
3 ARSENAL POWERLINE	2 AS 2.4 oz/a	23.7 e	24.0 c	24.1 f	0.0 a	12.00 a
2 30 DAP						
4 ARSENAL POWERLINE	2 AS 4.8 oz/a	18.0 f	18.0 d	18.9 g	0.0 a	8.33 a
2 30 DAP						
5 ARSENAL POWERLINE	2 AS 24 oz/a	14.0 gh	14.0 ef	14.3 h	0.0 a	6.00 a
2 30 DAP						
1 ARSENAL POWERLINE	2 AS 0.0 oz/a	30.0 a	27.3 ab	28.5 ab	50.0 a	15.00 a
3 61 DAP						
2 ARSENAL POWERLINE	2 AS 0.24 oz/a	25.7 cde	25.0 bc	26.5 b-e	18.3 a	14.67 a
3 61 DAP						

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 ARSENAL POWERLINE 2AS (IMAZAPYR)									
YEAR 3									
Trial ID:		PE-09-22		Study Dir.:		CHAD ABBOTT			
Location:		PONDER FARM		Investigator:		Eric P. Prostko			
Weed Code									
Crop Code									
Part Rated									
Rating Data Type									
Rating Unit									
Rating Date									
				Arahy Plant, - Wt4 In	Arahy Plant, - Wt5 In	Arahy Plant, - WDT-AVG In	Arahy Plant, - Lapping %	Arahy Plant, - Ht1 In	Arahy Plant, - Ht2 In
				Jun-29-22	Jun-29-22	Jun-29-22	Jun-29-22	Jul-21-22	Jul-21-22
Trt Treatment	Form Form	Rate							
No. Name	Conc Type	Rate Unit		19	20	21	22	23	24
3 ARSENAL POWERLINE	2 AS	2.4 oz/a		24.0 de	24.0 c	25.0 def	11.7 a	11.00 a	11.67 cd
3 61 DAP									
4 ARSENAL POWERLINE	2 AS	4.8 oz/a		26.7 bc	26.3 abc	26.1 c-f	13.3 a	9.67 a	9.50 de
3 61 DAP									
5 ARSENAL POWERLINE	2 AS	24 oz/a		26.3 bcd	26.0 abc	25.9 c-f	11.7 a	9.17 a	7.83 ef
3 61 DAP									
LSD P=.10				2.55	3.20	2.18	15.67	3.320	2.241
Standard Deviation				1.79	2.24	1.53	10.99	2.329	1.572
CV				8.03	10.20	6.84	68.68	21.765	14.137

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 ARSENAL POWERLINE 2AS (IMAZAPYR) YEAR 3						
Trial ID: PE-09-22		Study Dir.: CHAD ABBOTT				
Location: PONDER FARM		Investigator: Eric P. Prostko				
Weed Code		Arahy Plant, -	Arahy Plant, -	Arahy Plant, -	Arahy Plant, -	Arahy Plant, -
Crop Code		Ht3	Ht4	Ht5	HGT-AVG	Wt1
Part Rated		In	In	In	In	In
Rating Data Type		Jul-21-22	Jul-21-22	Jul-21-22	Jul-21-22	Jul-21-22
Rating Unit						
Rating Date						
Trt Treatment	Form Form	Rate				
No. Name	Conc Type Rate Unit	25	26	27	28	29
TABLE OF R MEANS						
Replicate 1		10.93	11.40	11.17	10.9	29.3
Replicate 2		11.00	10.97	11.67	11.3	30.9
Replicate 3		10.97	11.17	10.97	11.0	28.2
TABLE OF A (GARLON RATE) MEANS						
1 ARSENAL POWERLINE	2 AS 0.0 oz/a	16.00 a	16.00 a	15.78 a	15.8 a	36.0 a
2 ARSENAL POWERLINE	2 AS 0.24 oz/a	14.56 a	14.94 a	15.17 a	14.8 a	36.0 a
3 ARSENAL POWERLINE	2 AS 2.4 oz/a	10.89 b	11.28 b	11.67 b	10.9 b	31.7 b
4 ARSENAL POWERLINE	2 AS 4.8 oz/a	8.11 c	8.56 c	8.61 c	8.2 c	25.8 c
5 ARSENAL POWERLINE	2 AS 24 oz/a	5.28 d	5.11 d	5.11 d	5.5 d	18.0 d
LSD P=.10		1.550	1.486	1.312	1.36	3.92
Standard Deviation		1.769	1.695	1.497	1.55	4.48
CV		16.127	15.162	13.289	14.00	15.18
TABLE OF B (GARLON TIMING) MEANS						
1 PRE		9.10 b	9.37 b	9.30 b	9.1 b	24.1 c
2 30 DAP		12.20 a	12.17 a	12.53 a	12.2 a	29.3 b
3 61 DAP		11.60 a	12.00 a	11.97 a	11.8 a	35.1 a
LSD P=.10		1.812	1.138	0.832	1.03	2.08
Standard Deviation		2.327	1.462	1.068	1.32	2.67
CV		21.222	13.084	9.484	11.95	9.07
TABLE OF A (GARLON RATE) B (GARLON TIMING) MEANS						
1 ARSENAL POWERLINE	2 AS 0.0 oz/a	16.33 a	16.33 a	16.67 a	16.2 a	36.0 a
1 PRE						
2 ARSENAL POWERLINE	2 AS 0.24 oz/a	14.67 ab	15.33 ab	15.17 a	14.9 ab	36.0 a
1 PRE						
3 ARSENAL POWERLINE	2 AS 2.4 oz/a	8.00 ef	8.00 ef	8.50 cd	7.7 ef	23.0 c
1 PRE						
4 ARSENAL POWERLINE	2 AS 4.8 oz/a	3.67 gh	4.50 hi	4.00 fg	4.1 gh	14.0 d
1 PRE						
5 ARSENAL POWERLINE	2 AS 24 oz/a	2.83 h	2.67 i	2.17 g	2.6 h	11.3 d
1 PRE						
1 ARSENAL POWERLINE	2 AS 0.0 oz/a	15.33 ab	15.67 ab	14.83 a	15.4 ab	36.0 a
2 30 DAP						
2 ARSENAL POWERLINE	2 AS 0.24 oz/a	15.00 ab	14.83 ab	15.33 a	15.2 ab	36.0 a
2 30 DAP						
3 ARSENAL POWERLINE	2 AS 2.4 oz/a	13.67 bc	13.83 bc	14.67 a	13.5 bc	36.0 a
2 30 DAP						
4 ARSENAL POWERLINE	2 AS 4.8 oz/a	11.33 cd	11.17 d	12.00 b	11.0 d	27.3 bc
2 30 DAP						
5 ARSENAL POWERLINE	2 AS 24 oz/a	5.67 fg	5.33 gh	5.83 ef	6.0 fg	11.0 d
2 30 DAP						
1 ARSENAL POWERLINE	2 AS 0.0 oz/a	16.33 a	16.00 ab	15.83 a	15.9 a	36.0 a
3 61 DAP						
2 ARSENAL POWERLINE	2 AS 0.24 oz/a	14.00 ab	14.67 ab	15.00 a	14.3 ab	36.0 a
3 61 DAP						

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 ARSENAL POWERLINE 2AS (IMAZAPYR)						
YEAR 3						
Trial ID: PE-09-22		Study Dir.: CHAD ABBOTT				
Location: PONDER FARM		Investigator: Eric P. Prostko				
Weed Code						
Crop Code						
Part Rated						
Rating Data Type						
Rating Unit						
Rating Date						
		Arahy Plant, -	Arahy Plant, -	Arahy Plant, -	Arahy Plant, -	Arahy Plant, -
		Ht3	Ht4	Ht5	HGT-AVG	Wt1
		In	In	In	In	In
		Jul-21-22	Jul-21-22	Jul-21-22	Jul-21-22	Jul-21-22
Trt Treatment	Form Form	Rate				
No. Name	Conc Type	Rate Unit				
			25	26	27	28
3 ARSENAL POWERLINE	2 AS	2.4 oz/a	11.00 d	12.00 cd	11.83 b	11.5 cd
3 61 DAP						36.0 a
4 ARSENAL POWERLINE	2 AS	4.8 oz/a	9.33 de	10.00 de	9.83 bc	9.7 de
3 61 DAP						36.0 a
5 ARSENAL POWERLINE	2 AS	24 oz/a	7.33 ef	7.33 fg	7.33 de	7.8 ef
3 61 DAP						31.7 ab
LSD P=.10			2.367	2.383	2.335	2.17
Standard Deviation			1.660	1.672	1.638	1.53
CV			15.140	14.957	14.539	13.81
						5.17
						3.63
						12.30
						4.48
						3.14
						10.55

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 ARSENAL POWERLINE 2AS (IMAZAPYR) YEAR 3						
Trial ID: PE-09-22		Study Dir.: CHAD ABBOTT				
Location: PONDER FARM		Investigator: Eric P. Prostko				
Weed Code		Arahy Plant, - Wt3 In	Arahy Plant, - Wt4 In	Arahy Plant, - Wt5 In	Arahy Plant, - WDT-AVG In	Arahy Plant, - Ht1 In
Crop Code		Jul-21-22	Jul-21-22	Jul-21-22	Jul-21-22	Aug-4-22
Part Rated						
Rating Data Type						
Rating Unit						
Rating Date						
Trt Treatment No. Name	Form Form Conc Type Rate Unit	31	32	33	34	35
TABLE OF R MEANS						
Replicate 1		29.3	29.9	29.4	29.5	12.23
Replicate 2		30.7	31.0	31.1	30.9	12.50
Replicate 3		28.8	29.0	29.1	28.8	12.43
TABLE OF A (GARLON RATE) MEANS						
1 ARSENAL POWERLINE	2 AS 0.0 oz/a	36.0 a	36.0 a	36.0 a	36.0 a	17.11 a
2 ARSENAL POWERLINE	2 AS 0.24 oz/a	36.0 a	36.0 a	36.0 a	36.0 a	16.50 a
3 ARSENAL POWERLINE	2 AS 2.4 oz/a	31.3 b	31.3 b	31.6 b	31.6 b	12.33 b
4 ARSENAL POWERLINE	2 AS 4.8 oz/a	24.8 c	26.6 c	26.1 c	25.6 c	9.78 c
5 ARSENAL POWERLINE	2 AS 24 oz/a	19.9 d	20.0 d	19.6 d	19.5 d	6.22 d
LSD P=.10		2.92	3.16	3.05	3.07	1.810
Standard Deviation		3.33	3.61	3.48	3.50	2.064
CV		11.25	12.04	11.66	11.76	16.662
TABLE OF B (GARLON TIMING) MEANS						
1 PRE		24.1 c	24.3 c	24.0 c	24.1 c	10.13 b
2 30 DAP		29.4 b	30.5 b	30.4 b	29.9 b	13.33 a
3 61 DAP		35.3 a	35.2 a	35.1 a	35.2 a	13.70 a
LSD P=.10		2.27	3.22	2.78	2.44	2.492
Standard Deviation		2.92	4.14	3.57	3.14	3.201
CV		9.87	13.82	11.95	10.56	25.839
TABLE OF A (GARLON RATE) B (GARLON TIMING) MEANS						
1 ARSENAL POWERLINE	2 AS 0.0 oz/a	36.0 a	36.0 a	36.0 a	36.0 a	16.33 ab
1 PRE						
2 ARSENAL POWERLINE	2 AS 0.24 oz/a	36.0 a	36.0 a	36.0 a	36.0 a	16.17 abc
1 PRE						
3 ARSENAL POWERLINE	2 AS 2.4 oz/a	22.0 b	22.0 c	22.7 c	22.7 b	9.83 e
1 PRE						
4 ARSENAL POWERLINE	2 AS 4.8 oz/a	14.7 c	15.7 d	14.3 d	14.3 c	5.17 gh
1 PRE						
5 ARSENAL POWERLINE	2 AS 24 oz/a	11.7 c	11.7 d	11.0 d	11.5 c	3.17 h
1 PRE						
1 ARSENAL POWERLINE	2 AS 0.0 oz/a	36.0 a	36.0 a	36.0 a	36.0 a	16.67 a
2 30 DAP						
2 ARSENAL POWERLINE	2 AS 0.24 oz/a	36.0 a	36.0 a	36.0 a	36.0 a	16.33 ab
2 30 DAP						
3 ARSENAL POWERLINE	2 AS 2.4 oz/a	36.0 a	36.0 a	36.0 a	36.0 a	13.17 d
2 30 DAP						
4 ARSENAL POWERLINE	2 AS 4.8 oz/a	23.7 b	28.0 b	28.0 b	26.6 b	13.67 cd
2 30 DAP						
5 ARSENAL POWERLINE	2 AS 24 oz/a	15.3 c	16.3 d	16.0 d	14.9 c	6.83 fg
2 30 DAP						
1 ARSENAL POWERLINE	2 AS 0.0 oz/a	36.0 a	36.0 a	36.0 a	36.0 a	18.33 a
3 61 DAP						
2 ARSENAL POWERLINE	2 AS 0.24 oz/a	36.0 a	36.0 a	36.0 a	36.0 a	17.00 a
3 61 DAP						

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 ARSENAL POWERLINE 2AS (IMAZAPYR) YEAR 3						
Trial ID: PE-09-22		Study Dir.: CHAD ABBOTT				
Location: PONDER FARM		Investigator: Eric P. Prostko				
Weed Code		Arahy Plant, - Wt3 In	Arahy Plant, - Wt4 In	Arahy Plant, - Wt5 In	Arahy Plant, - WDT-AVG In	Arahy Plant, - Ht1 In
Crop Code		Jul-21-22	Jul-21-22	Jul-21-22	Jul-21-22	Aug-4-22
Part Rated						
Rating Data Type						
Rating Unit						
Rating Date						
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit		
3	ARSENAL POWERLINE	2 AS		2.4 oz/a	31	32
3	61 DAP				33	34
4	ARSENAL POWERLINE	2 AS		4.8 oz/a	35	36
3	61 DAP					
5	ARSENAL POWERLINE	2 AS		24 oz/a	32.7 a	32.0 ab
3	61 DAP				31.7 ab	32.1 a
					8.67 ef	7.83 ef
LSD P=.10					5.27	5.13
Standard Deviation					3.70	3.60
CV					12.49	12.00
					5.26	4.91
					3.69	3.45
					11.59	14.247
					2.649	1.859
					14.961	

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 ARSENAL POWERLINE 2AS (IMAZAPYR) YEAR 3						
Trial ID: PE-09-22		Study Dir.: CHAD ABBOTT				
Location: PONDER FARM		Investigator: Eric P. Prostko				
Weed Code		Arahy Plant, -	Arahy Plant, -	Arahy Plant, -	Arahy Plant, -	Arahy Plant, -
Crop Code		Ht3	Ht4	Ht5	HGT-AVG	Wt2
Part Rated		In	In	In	In	In
Rating Data Type		Aug-4-22	Aug-4-22	Aug-4-22	Aug-4-22	Aug-4-22
Rating Unit						
Rating Date						
Trt Treatment	Form Form	Rate				
No. Name	Conc Type Rate Unit					
		37	38	39	40	41
TABLE OF R MEANS						
Replicate 1		12.77	12.67	12.10	12.4	30.9
Replicate 2		12.90	12.90	13.10	12.8	31.4
Replicate 3		12.23	12.13	11.90	12.2	29.9
TABLE OF A (GARLON RATE) MEANS						
1 ARSENAL POWERLINE 2 AS 0.0 oz/a		17.22 a	17.72 a	17.56 a	17.3 a	36.0 a
2 ARSENAL POWERLINE 2 AS 0.24 oz/a		16.00 b	16.28 a	16.28 a	16.2 a	36.0 a
3 ARSENAL POWERLINE 2 AS 2.4 oz/a		13.50 c	12.83 b	12.50 b	12.7 b	32.1 b
4 ARSENAL POWERLINE 2 AS 4.8 oz/a		10.72 d	10.56 c	10.17 c	10.4 c	29.6 b
5 ARSENAL POWERLINE 2 AS 24 oz/a		5.72 e	5.44 d	5.33 d	5.8 d	19.9 c
LSD P=.10		0.835	1.853	2.163	1.34	3.07
Standard Deviation		0.953	2.114	2.468	1.53	3.50
CV		7.544	16.823	19.953	12.26	11.39
TABLE OF B (GARLON TIMING) MEANS						
1 PRE		10.37 b	10.80 b	10.40 b	10.4 b	25.0 c
2 30 DAP		14.63 a	13.80 a	13.77 a	13.9 a	32.1 b
3 61 DAP		12.90 a	13.10 a	12.93 a	13.2 a	35.1 a
LSD P=.10		2.119	1.152	0.910	1.48	1.93
Standard Deviation		2.722	1.480	1.169	1.90	2.47
CV		21.545	11.781	9.453	15.23	8.06
TABLE OF A (GARLON RATE) B (GARLON TIMING) MEANS						
1 ARSENAL POWERLINE 2 AS 0.0 oz/a		17.67 a	19.33 a	17.67 a	17.7 a	36.0 a
1 PRE						
2 ARSENAL POWERLINE 2 AS 0.24 oz/a		16.00 ab	17.00 a-d	17.00 a	16.4 ab	36.0 a
1 PRE						
3 ARSENAL POWERLINE 2 AS 2.4 oz/a		10.50 de	9.67 fg	9.17 ef	9.6 ef	24.3 b
1 PRE						
4 ARSENAL POWERLINE 2 AS 4.8 oz/a		5.50 f	5.33 hi	5.83 g	5.4 h	16.7 c
1 PRE						
5 ARSENAL POWERLINE 2 AS 24 oz/a		2.17 g	2.67 i	2.33 h	2.6 i	12.0 c
1 PRE						
1 ARSENAL POWERLINE 2 AS 0.0 oz/a		16.83 a	16.17 bcd	17.33 a	16.7 ab	36.0 a
2 30 DAP						
2 ARSENAL POWERLINE 2 AS 0.24 oz/a		16.67 ab	17.50 abc	16.33 ab	16.6 ab	36.0 a
2 30 DAP						
3 ARSENAL POWERLINE 2 AS 2.4 oz/a		16.33 ab	14.67 cde	15.33 abc	14.8 bc	36.0 a
2 30 DAP						
4 ARSENAL POWERLINE 2 AS 4.8 oz/a		15.67 ab	14.33 de	14.00 bc	14.4 bc	36.0 a
2 30 DAP						
5 ARSENAL POWERLINE 2 AS 24 oz/a		7.67 ef	6.33 h	5.83 g	6.9 gh	16.3 c
2 30 DAP						
1 ARSENAL POWERLINE 2 AS 0.0 oz/a		17.17 a	17.67 ab	17.67 a	17.5 a	36.0 a
3 61 DAP						
2 ARSENAL POWERLINE 2 AS 0.24 oz/a		15.33 ab	14.33 de	15.50 abc	15.6 abc	36.0 a
3 61 DAP						

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 ARSENAL POWERLINE 2AS (IMAZAPYR)									
YEAR 3									
Trial ID:		PE-09-22		Study Dir.:		CHAD ABBOTT			
Location:		PONDER FARM		Investigator:		Eric P. Prostko			
Weed Code				Arahy	Arahy	Arahy	Arahy	Arahy	Arahy
Crop Code				Plant, -	Plant, -	Plant, -	Plant, -	Plant, -	Plant, -
Part Rated				Ht3	Ht4	Ht5	HGT-AVG	Wt1	Wt2
Rating Data Type				In	In	In	In	In	In
Rating Unit				Aug-4-22	Aug-4-22	Aug-4-22	Aug-4-22	Aug-4-22	Aug-4-22
Rating Date									
Trt Treatment		Form Form		Rate					
No. Name		Conc Type		Rate Unit		37	38	39	40
3 ARSENAL POWERLINE		2 AS		2.4 oz/a		13.67 bc	14.17 de	13.00 cd	13.6 cd
3 61 DAP									36.0 a
4 ARSENAL POWERLINE		2 AS		4.8 oz/a		11.00 cd	12.00 ef	10.67 de	11.4 de
3 61 DAP									36.0 a
5 ARSENAL POWERLINE		2 AS		24 oz/a		7.33 f	7.33 gh	7.83 fg	7.8 fg
3 61 DAP									31.3 a
LSD P=.10						3.111	2.957	2.743	2.30
Standard Deviation						2.182	2.074	1.924	1.61
CV						17.274	16.506	15.562	12.94
									12.98
									21.98

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 ARSENAL POWERLINE 2AS (IMAZAPYR) YEAR 3						
Trial ID: PE-09-22		Study Dir.: CHAD ABBOTT				
Location: PONDER FARM		Investigator: Eric P. Prostko				
Weed Code		Arahy Plant, - Wt3 In	Arahy Plant, - Wt4 In	Arahy Plant, - Wt5 In	Arahy Plant, - WT-AVG In	ARAHY YIELD, - DIRTY LBS/PLOT
Crop Code		Aug-4-22	Aug-4-22	Aug-4-22	Aug-4-22	Aug-4-22
Part Rated						
Rating Data Type						
Rating Unit						
Rating Date						
Trt Treatment No. Name	Form Conc	Form Type	Rate Unit	43	44	45
TABLE OF R MEANS						
Replicate 1				30.5	29.6	30.7
Replicate 2				31.6	31.5	31.8
Replicate 3				29.9	30.3	30.2
TABLE OF A (GARLON RATE) MEANS						
1 ARSENAL POWERLINE	2 AS	0.0 oz/a		36.0 a	36.0 a	36.0 a
2 ARSENAL POWERLINE	2 AS	0.24 oz/a		36.0 a	36.0 a	36.0 a
3 ARSENAL POWERLINE	2 AS	2.4 oz/a		32.1 b	32.6 b	32.6 b
4 ARSENAL POWERLINE	2 AS	4.8 oz/a		29.1 c	27.0 c	28.7 c
5 ARSENAL POWERLINE	2 AS	24 oz/a		20.0 d	20.9 d	21.2 d
LSD P=.10				2.78	2.52	2.31
Standard Deviation				3.17	2.87	2.63
CV				10.35	9.41	8.52
TABLE OF B (GARLON TIMING) MEANS						
1 PRE				24.7 c	24.5 c	24.6 c
2 30 DAP				32.1 b	31.7 b	32.9 b
3 61 DAP				35.1 a	35.3 a	35.2 a
LSD P=.10				2.28	2.87	2.02
Standard Deviation				2.93	3.68	2.60
CV				9.56	12.08	8.41
TABLE OF A (GARLON RATE) B (GARLON TIMING) MEANS						
1 ARSENAL POWERLINE	2 AS	0.0 oz/a		36.0 a	36.0 a	36.0 a
1 PRE						
2 ARSENAL POWERLINE	2 AS	0.24 oz/a		36.0 a	36.0 a	36.0 a
1 PRE						
3 ARSENAL POWERLINE	2 AS	2.4 oz/a		24.3 b	25.7 b	25.7 b
1 PRE						
4 ARSENAL POWERLINE	2 AS	4.8 oz/a		15.3 cd	13.3 d	14.0 d
1 PRE						
5 ARSENAL POWERLINE	2 AS	24 oz/a		11.7 d	11.3 d	11.3 d
1 PRE						
1 ARSENAL POWERLINE	2 AS	0.0 oz/a		36.0 a	36.0 a	36.0 a
2 30 DAP						
2 ARSENAL POWERLINE	2 AS	0.24 oz/a		36.0 a	36.0 a	36.0 a
2 30 DAP						
3 ARSENAL POWERLINE	2 AS	2.4 oz/a		36.0 a	36.0 a	36.0 a
2 30 DAP						
4 ARSENAL POWERLINE	2 AS	4.8 oz/a		36.0 a	31.7 a	36.0 a
2 30 DAP						
5 ARSENAL POWERLINE	2 AS	24 oz/a		16.7 c	19.0 c	20.3 c
2 30 DAP						
1 ARSENAL POWERLINE	2 AS	0.0 oz/a		36.0 a	36.0 a	36.0 a
3 61 DAP						
2 ARSENAL POWERLINE	2 AS	0.24 oz/a		36.0 a	36.0 a	36.0 a
3 61 DAP						

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 ARSENAL POWERLINE 2AS (IMAZAPYR)									
YEAR 3									
Trial ID:		PE-09-22		Study Dir.:		CHAD ABBOTT			
Location:		PONDER FARM		Investigator:		Eric P. Prostko			
Weed Code									
Crop Code									
Part Rated									
Rating Data Type									
Rating Unit									
Rating Date									
				Arahy Plant, - Wt3 In	Arahy Plant, - Wt4 In	Arahy Plant, - Wt5 In	Arahy Plant, - WT-AVG In	ARAHY YIELD, - DIRTY LBS/PLOT	ARAHY YIELD, - DIRTY LBS/PLOT
				Aug-4-22	Aug-4-22	Aug-4-22	Aug-4-22	Sep-23-22	Sep-23-22
Trt Treatment	Form Form	Rate							
No. Name	Conc Type	Rate Unit		43	44	45	46	47	48
3 ARSENAL POWERLINE	2 AS	2.4 oz/a		36.0 a	36.0 a	36.0 a	36.0 a	18.9 a	18.6 a
3 61 DAP									
4 ARSENAL POWERLINE	2 AS	4.8 oz/a		36.0 a	36.0 a	36.0 a	34.0 a	17.7 ab	17.3 ab
3 61 DAP									
5 ARSENAL POWERLINE	2 AS	24 oz/a		31.7 a	32.3 a	32.0 a	31.4 a	11.4 c	11.1 c
3 61 DAP									
LSD P=.10				4.95	5.48	4.77	5.30	4.53	4.44
Standard Deviation				3.47	3.85	3.35	3.72	3.17	3.10
CV				11.34	12.61	10.83	12.20	21.70	21.70

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

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PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR)				
YEAR 3				
Trial ID:	PE-09-22	Study Dir.:	CHAD ABBOTT	
Location:	PONDER FARM	Investigator:	Eric P. Prostko	
Weed Code				ARAHY
Crop Code				YIELD, -
Part Rated				YIELD
Rating Data Type				LBS/A
Rating Unit				Sep-23-22
Rating Date				
Trt Treatment	Form Form	Rate		
No. Name	Conc Type	Rate Unit	49	
TABLE OF R MEANS				
Replicate 1				4234.4
Replicate 2				4155.8
Replicate 3				3897.5
TABLE OF A (GARLON RATE) MEANS				
1 ARSENAL POWERLINE	2 AS	0.0 oz/a	5578.5 a	
2 ARSENAL POWERLINE	2 AS	0.24 oz/a	5410.0 a	
3 ARSENAL POWERLINE	2 AS	2.4 oz/a	4392.9 b	
4 ARSENAL POWERLINE	2 AS	4.8 oz/a	3366.4 c	
5 ARSENAL POWERLINE	2 AS	24 oz/a	1731.6 d	
LSD P=.10				540.27
Standard Deviation				616.32
CV				15.05
TABLE OF B (GARLON TIMING) MEANS				
1 PRE				3131.8 c
2 30 DAP				4223.2 b
3 61 DAP				4932.7 a
LSD P=.10				415.46
Standard Deviation				533.71
CV				13.03
TABLE OF A (GARLON RATE) B (GARLON TIMING) MEANS				
1 ARSENAL POWERLINE	2 AS	0.0 oz/a	5718.9 a	
1 PRE				
2 ARSENAL POWERLINE	2 AS	0.24 oz/a	5550.4 a	
1 PRE				
3 ARSENAL POWERLINE	2 AS	2.4 oz/a	2873.5 cd	
1 PRE				
4 ARSENAL POWERLINE	2 AS	4.8 oz/a	1160.6 ef	
1 PRE				
5 ARSENAL POWERLINE	2 AS	24 oz/a	355.7 f	
1 PRE				
1 ARSENAL POWERLINE	2 AS	0.0 oz/a	5222.8 ab	
2 30 DAP				
2 ARSENAL POWERLINE	2 AS	0.24 oz/a	5279.0 a	
2 30 DAP				
3 ARSENAL POWERLINE	2 AS	2.4 oz/a	4988.8 ab	
2 30 DAP				
4 ARSENAL POWERLINE	2 AS	4.8 oz/a	3978.0 bc	
2 30 DAP				
5 ARSENAL POWERLINE	2 AS	24 oz/a	1647.3 de	
2 30 DAP				
1 ARSENAL POWERLINE	2 AS	0.0 oz/a	5793.8 a	
3 61 DAP				
2 ARSENAL POWERLINE	2 AS	0.24 oz/a	5400.7 a	
3 61 DAP				

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 ARSENAL POWERLINE 2AS (IMAZAPYR)				
YEAR 3				
Trial ID:	PE-09-22	Study Dir.:	CHAD ABBOTT	
Location:	PONDER FARM	Investigator:	Eric P. Prostko	
Weed Code				ARAHY
Crop Code				YIELD, -
Part Rated				YIELD
Rating Data Type				LBS/A
Rating Unit				Sep-23-22
Rating Date				
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit
3	ARSENAL POWERLINE	2	AS	2.4 oz/a
3	61 DAP			5316.4 a
4	ARSENAL POWERLINE	2	AS	4.8 oz/a
3	61 DAP			4960.8 ab
5	ARSENAL POWERLINE	2	AS	24 oz/a
3	61 DAP			3191.7 c
LSD P=.10				1272.48
Standard Deviation				889.00
CV				21.70

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 ARSENAL POWERLINE 2AS (IMAZAPYR)						
YEAR 3						
Trial ID:	PE-09-22	Study Dir.:	CHAD ABBOTT			
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
COMPLETE FACTORIAL AOV For Arahy Stand #/5ft May-5-22 (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	44	2731.200000				
R	2	20.133333	10.066667	0.989	0.3935	
A	4	404.533333	101.133333	10.855	0.0026	2.7
RA	8	74.533333	9.316667			
B	2	1214.800000	607.400000	175.212	0.0001	1.4
RB	4	13.866667	3.466667			
AB	8	840.533333	105.066667	10.326	0.0001	4.5
RAB	16	162.800000	10.175000			
COMPLETE FACTORIAL AOV For Arahy Plant Stand #/5ft May-11-22 (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	44	639.911111				
R	2	8.844444	4.422222	0.743	0.4913	
A	4	99.466667	24.866667	4.563	0.0326	2.0
RA	8	43.600000	5.450000			
B	2	124.577778	62.288889	6.611	0.0539	2.4
RB	4	37.688889	9.422222			
AB	8	230.533333	28.816667	4.843	0.0036	3.5
RAB	16	95.200000	5.950000			
COMPLETE FACTORIAL AOV For Arahy Plant Stunting % May-11-22 (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	44	40891.111111				
R	2	84.444444	42.222222	0.670	0.5257	
A	4	5885.555556	1471.388889	23.335	0.0002	7.0
RA	8	504.444444	63.055556			
B	2	21467.777778	10733.888889	254.224	0.0001	5.1
RB	4	168.888889	42.222222			
AB	8	11771.111111	1471.388889	23.335	0.0001	11.3
RAB	16	1008.888889	63.055556			
COMPLETE FACTORIAL AOV For Arahy Plant Chlorosi % May-11-22 (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	44	4670.000000				
R	2	243.333333	121.666667	4.586	0.0266	
A	4	447.777778	111.944444	4.220	0.0397	4.5
RA	8	212.222222	26.527778			
B	2	1960.000000	980.000000	8.055	0.0396	8.6
RB	4	486.666667	121.666667			
AB	8	895.555556	111.944444	4.220	0.0069	7.3
RAB	16	424.444444	26.527778			
COMPLETE FACTORIAL AOV For Arahy Stand #/5ft May-25-22 (Data Column 5)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	44	178.800000				
R	2	12.133333	6.066667	2.104	0.1544	
A	4	13.466667	3.366667	0.488	0.7452	2.3
RA	8	55.200000	6.900000			
B	2	16.533333	8.266667	3.875	0.1159	1.1
RB	4	8.533333	2.133333			
AB	8	26.800000	3.350000	1.162	0.3781	2.4
RAB	16	46.133333	2.883333			
COMPLETE FACTORIAL AOV For Arahy Plant Stunting % May-26-22 (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	44	36800.000000				
R	2	243.333333	121.666667	1.600	0.2326	
A	4	7300.000000	1825.000000	47.609	0.0001	5.4
RA	8	306.666667	38.333333			
B	2	18203.333333	9101.666667	198.582	0.0001	5.3
RB	4	183.333333	45.833333			
AB	8	9346.666667	1168.333333	15.364	0.0001	12.4
RAB	16	1216.666667	76.041667			

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 ARSENAL POWERLINE 2AS (IMAZAPYR)							
YEAR 3							
Trial ID:	PE-09-22	Study Dir.:	CHAD ABBOTT				
Location:	PONDER FARM	Investigator:	Eric P. Prostko				
COMPLETE FACTORIAL AOV For Arahy Leaf Chlorosi % May-26-22 (Data Column 7)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	10877.777778					
R	2	217.777778	108.888889	9.170	0.0022		
A	4	4383.333333	1095.833333	69.211	0.0001		3.5
RA	8	126.666667	15.833333				
B	2	3524.444444	1762.222222	61.000	0.0010		4.2
RB	4	115.555556	28.888889				
AB	8	2320.000000	290.000000	24.421	0.0001		4.9
RAB	16	190.000000	11.875000				
COMPLETE FACTORIAL AOV For Arahy Plant Stunting % Jun-8-22 (Data Column 8)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	42974.444444					
R	2	4.444444	2.222222	0.068	0.9343		
A	4	16357.777778	4089.444444	342.372	0.0001		3.0
RA	8	95.555556	11.944444				
B	2	16191.111111	8095.555556	1120.923	0.0001		2.1
RB	4	28.888889	7.222222				
AB	8	9775.555556	1221.944444	37.518	0.0001		8.1
RAB	16	521.111111	32.569444				
COMPLETE FACTORIAL AOV For Arahy Plant Chlorosi % Jun-8-22 (Data Column 9)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	5894.444444					
R	2	187.777778	93.888889	4.881	0.0221		
A	4	2127.777778	531.944444	37.921	0.0001		3.3
RA	8	112.222222	14.027778				
B	2	1781.111111	890.555556	28.372	0.0043		4.4
RB	4	125.555556	31.388889				
AB	8	1252.222222	156.527778	8.137	0.0002		6.3
RAB	16	307.777778	19.236111				
COMPLETE FACTORIAL AOV For Arahy Plant Ht1 In Jun-29-22 (Data Column 10)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	386.077778					
R	2	1.377778	0.688889	0.470	0.6335		
A	4	165.633333	41.408333	32.907	0.0001		0.98
RA	8	10.066667	1.258333				
B	2	116.411111	58.205556	395.359	0.0001		0.30
RB	4	0.588889	0.147222				
AB	8	68.533333	8.566667	5.841	0.0014		1.73
RAB	16	23.466667	1.466667				
COMPLETE FACTORIAL AOV For Arahy Plant Ht2 In Jun-29-22 (Data Column 11)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	390.700000					
R	2	5.233333	2.616667	2.007	0.1668		
A	4	185.422222	46.355556	35.170	0.0001		1.01
RA	8	10.544444	1.318056				
B	2	109.433333	54.716667	72.154	0.0007		0.68
RB	4	3.033333	0.758333				
AB	8	56.177778	7.022222	5.387	0.0021		1.63
RAB	16	20.855556	1.303472				
COMPLETE FACTORIAL AOV For Arahy Plant Ht3 In Jun-29-22 (Data Column 12)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	338.700000					
R	2	1.633333	0.816667	0.919	0.4191		
A	4	181.088889	45.272222	49.538	0.0001		0.84
RA	8	7.311111	0.913889				
B	2	68.400000	34.200000	205.200	0.0001		0.32
RB	4	0.666667	0.166667				
AB	8	65.377778	8.172222	9.194	0.0001		1.34
RAB	16	14.222222	0.888889				

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 ARSENAL POWERLINE 2AS (IMAZAPYR)						
YEAR 3						
Trial ID:	PE-09-22	Study Dir.:	CHAD ABBOTT			
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
COMPLETE FACTORIAL AOV For Arahy Plant Ht4 In Jun-29-22 (Data Column 13)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	44	311.644444				
R	2	0.311111	0.155556	0.096	0.9091	
A	4	151.255556	37.813889	32.724	0.0001	0.94
RA	8	9.244444	1.155556			
B	2	62.977778	31.488889	20.462	0.0079	0.97
RB	4	6.155556	1.538889			
AB	8	55.744444	6.968056	4.295	0.0064	1.82
RAB	16	25.955556	1.622222			
COMPLETE FACTORIAL AOV For Arahy Plant Ht5 In Jun-29-22 (Data Column 14)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	44	356.477778				
R	2	0.044444	0.022222	0.018	0.9827	
A	4	196.311111	49.077778	52.662	0.0001	0.85
RA	8	7.455556	0.931944			
B	2	60.211111	30.105556	59.549	0.0011	0.55
RB	4	2.022222	0.505556			
AB	8	70.122222	8.765278	6.905	0.0005	1.61
RAB	16	20.311111	1.269444			
COMPLETE FACTORIAL AOV For Arahy Plant HGT-AVG In Jun-29-22 (Data Column 15)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	44	338.631111				
R	2	0.880444	0.440222	0.462	0.6382	
A	4	173.795556	43.448889	57.722	0.0001	0.8
RA	8	6.021778	0.752722			
B	2	81.377778	40.688889	139.718	0.0002	0.4
RB	4	1.164889	0.291222			
AB	8	60.144444	7.518056	7.890	0.0003	1.4
RAB	16	15.246222	0.952889			
COMPLETE FACTORIAL AOV For Arahy Plant Wt1 In Jun-29-22 (Data Column 16)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	44	1947.644444				
R	2	1.111111	0.555556	0.100	0.9051	
A	4	924.977778	231.244444	83.248	0.0001	1.5
RA	8	22.222222	2.777778			
B	2	472.577778	236.288889	87.876	0.0005	1.3
RB	4	10.755556	2.688889			
AB	8	427.422222	53.427778	9.651	0.0001	3.4
RAB	16	88.577778	5.536111			
COMPLETE FACTORIAL AOV For Arahy Plant Wt2 In Jun-29-22 (Data Column 17)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	44	1907.111111				
R	2	1.111111	0.555556	0.117	0.8901	
A	4	828.444444	207.111111	79.319	0.0001	1.4
RA	8	20.888889	2.611111			
B	2	601.377778	300.688889	54.124	0.0013	1.8
RB	4	22.222222	5.555556			
AB	8	357.288889	44.661111	9.430	0.0001	3.1
RAB	16	75.777778	4.736111			
COMPLETE FACTORIAL AOV For Arahy Plant Wt3 In Jun-29-22 (Data Column 18)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	44	1741.911111				
R	2	0.577778	0.288889	0.068	0.9348	
A	4	759.244444	189.811111	75.589	0.0001	1.4
RA	8	20.088889	2.511111			
B	2	513.244444	256.622222	74.987	0.0007	1.4
RB	4	13.688889	3.422222			
AB	8	366.755556	45.844444	10.738	0.0001	2.9
RAB	16	68.311111	4.269444			

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

University of Georgia

PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR)							
YEAR 3							
Trial ID:	PE-09-22	Study Dir.:	CHAD ABBOTT				
Location:	PONDER FARM	Investigator:	Eric P. Prostko				
COMPLETE FACTORIAL AOV For Arahy Plant Wt4 In Jun-29-22 (Data Column 19)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	1877.244444					
R	2	1.644444	0.822222	0.257	0.7767		
A	4	870.577778	217.644444	91.533	0.0001		1.4
RA	8	19.022222	2.377778				
B	2	521.377778	260.688889	31.199	0.0036		2.3
RB	4	33.422222	8.355556				
AB	8	379.955556	47.494444	14.829	0.0001		2.6
RAB	16	51.244444	3.202778				
COMPLETE FACTORIAL AOV For Arahy Plant Wt5 In Jun-29-22 (Data Column 20)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	1728.977778					
R	2	20.844444	10.422222	2.073	0.1583		
A	4	714.977778	178.744444	26.901	0.0001		2.3
RA	8	53.155556	6.644444				
B	2	410.977778	205.488889	42.032	0.0021		1.7
RB	4	19.555556	4.888889				
AB	8	429.022222	53.627778	10.666	0.0001		3.2
RAB	16	80.444444	5.027778				
COMPLETE FACTORIAL AOV For Arahy Plant WDT-AVG In Jun-29-22 (Data Column 21)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	1753.591111					
R	2	0.812444	0.406222	0.174	0.8421		
A	4	812.622222	203.155556	147.262	0.0001		1.0
RA	8	11.036444	1.379556				
B	2	501.185778	250.592889	91.117	0.0005		1.3
RB	4	11.000889	2.750222				
AB	8	379.516444	47.439556	20.286	0.0001		2.2
RAB	16	37.416889	2.338556				
COMPLETE FACTORIAL AOV For Arahy Plant Lapping % Jun-29-22 (Data Column 22)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	21130.000000					
R	2	503.333333	251.666667	2.084	0.1569		
A	4	15652.222222	3913.055556	35.130	0.0001		9.3
RA	8	891.111111	111.388889				
B	2	630.000000	315.000000	2.263	0.2201		9.2
RB	4	556.666667	139.166667				
AB	8	964.444444	120.555556	0.998	0.4737		15.7
RAB	16	1932.222222	120.763889				
COMPLETE FACTORIAL AOV For Arahy Plant Ht1 In Jul-21-22 (Data Column 23)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	945.700000					
R	2	18.633333	9.316667	1.718	0.2109		
A	4	643.144444	160.786111	37.188	0.0001		1.82
RA	8	34.588889	4.323611				
B	2	91.200000	45.600000	18.869	0.0092		1.21
RB	4	9.666667	2.416667				
AB	8	61.688889	7.711111	1.422	0.2608		3.32
RAB	16	86.777778	5.423611				
COMPLETE FACTORIAL AOV For Arahy Plant Ht2 In Jul-21-22 (Data Column 24)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	924.077778					
R	2	1.411111	0.705556	0.285	0.7555		
A	4	635.855556	158.963889	68.824	0.0001		1.33
RA	8	18.477778	2.309722				
B	2	107.411111	53.705556	25.109	0.0054		1.14
RB	4	8.555556	2.138889				
AB	8	112.811111	14.101389	5.704	0.0016		2.24
RAB	16	39.555556	2.472222				

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University of Georgia

PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR)							
YEAR 3							
Trial ID:	PE-09-22	Study Dir.:	CHAD ABBOTT				
Location:	PONDER FARM	Investigator:	Eric P. Prostko				
COMPLETE FACTORIAL AOV For Arahy Plant Ht3 In Jul-21-22 (Data Column 25)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	977.200000					
R	2	0.033333	0.016667	0.006	0.9940		
A	4	708.644444	177.161111	56.641	0.0001	1.55	
RA	8	25.022222	3.127778				
B	2	81.100000	40.550000	7.486	0.0445	1.81	
RB	4	21.666667	5.416667				
AB	8	96.622222	12.077778	4.381	0.0058	2.37	
RAB	16	44.111111	2.756944				
COMPLETE FACTORIAL AOV For Arahy Plant Ht4 In Jul-21-22 (Data Column 26)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	971.577778					
R	2	1.411111	0.705556	0.252	0.7800		
A	4	730.188889	182.547222	63.556	0.0001	1.49	
RA	8	22.977778	2.872222				
B	2	74.011111	37.005556	17.301	0.0107	1.14	
RB	4	8.555556	2.138889				
AB	8	89.711111	11.213889	4.012	0.0087	2.38	
RAB	16	44.722222	2.795139				
COMPLETE FACTORIAL AOV For Arahy Plant Ht5 In Jul-21-22 (Data Column 27)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	1002.800000					
R	2	3.900000	1.950000	0.727	0.4988		
A	4	725.966667	181.491667	80.963	0.0001	1.31	
RA	8	17.933333	2.241667				
B	2	89.433333	44.716667	39.168	0.0024	0.83	
RB	4	4.566667	1.141667				
AB	8	118.066667	14.758333	5.500	0.0019	2.34	
RAB	16	42.933333	2.683333				
COMPLETE FACTORIAL AOV For Arahy Plant HGT-AVG In Jul-21-22 (Data Column 28)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	923.552000					
R	2	1.252000	0.626000	0.269	0.7675		
A	4	683.465333	170.866333	71.437	0.0001	1.4	
RA	8	19.134667	2.391833				
B	2	86.857333	43.428667	24.907	0.0055	1.0	
RB	4	6.974667	1.743667				
AB	8	88.636000	11.079500	4.761	0.0039	2.2	
RAB	16	37.232000	2.327000				
COMPLETE FACTORIAL AOV For Arahy Plant Wt1 In Jul-21-22 (Data Column 29)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	4489.244444					
R	2	56.577778	28.288889	2.150	0.1489		
A	4	2117.688889	529.422222	26.420	0.0001	3.9	
RA	8	160.311111	20.038889				
B	2	919.644444	459.822222	64.261	0.0009	2.1	
RB	4	28.622222	7.155556				
AB	8	995.911111	124.488889	9.463	0.0001	5.2	
RAB	16	210.488889	13.155556				
COMPLETE FACTORIAL AOV For Arahy Plant Wt2 In Jul-21-22 (Data Column 30)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	3959.777778					
R	2	34.444444	17.222222	1.745	0.2064		
A	4	1802.888889	450.722222	45.579	0.0001	2.8	
RA	8	79.111111	9.888889				
B	2	952.577778	476.288889	51.275	0.0014	2.4	
RB	4	37.155556	9.288889				
AB	8	895.644444	111.955556	11.340	0.0001	4.5	
RAB	16	157.955556	9.872222				

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University of Georgia

PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR)							
YEAR 3							
Trial ID:	PE-09-22	Study Dir.:	CHAD ABBOTT				
Location:	PONDER FARM	Investigator:	Eric P. Prostko				
COMPLETE FACTORIAL AOV For Arahy Plant Wt3 In Jul-21-22 (Data Column 31)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	4026.800000					
R	2	27.733333	13.866667	1.014	0.3849		
A	4	1822.355556	455.588889	41.085	0.0001		2.9
RA	8	88.711111	11.088889				
B	2	952.933333	476.466667	55.836	0.0012		2.3
RB	4	34.133333	8.533333				
AB	8	882.177778	110.272222	8.065	0.0002		5.3
RAB	16	218.755556	13.672222				
COMPLETE FACTORIAL AOV For Arahy Plant Wt4 In Jul-21-22 (Data Column 32)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	3782.977778					
R	2	30.044444	15.022222	1.160	0.3384		
A	4	1670.755556	417.688889	32.075	0.0001		3.2
RA	8	104.177778	13.022222				
B	2	901.911111	450.955556	26.286	0.0050		3.2
RB	4	68.622222	17.155556				
AB	8	800.311111	100.038889	7.727	0.0003		5.1
RAB	16	207.155556	12.947222				
COMPLETE FACTORIAL AOV For Arahy Plant Wt5 In Jul-21-22 (Data Column 33)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	3959.911111					
R	2	34.444444	17.222222	1.265	0.3089		
A	4	1786.577778	446.644444	36.879	0.0001		3.1
RA	8	96.888889	12.111111				
B	2	936.577778	468.288889	36.809	0.0027		2.8
RB	4	50.888889	12.722222				
AB	8	836.755556	104.594444	7.684	0.0003		5.3
RAB	16	217.777778	13.611111				
COMPLETE FACTORIAL AOV For Arahy Plant WDT-AVG In Jul-21-22 (Data Column 34)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	3995.185778					
R	2	35.361778	17.680889	1.488	0.2554		
A	4	1831.772444	457.943111	37.435	0.0001		3.1
RA	8	97.864889	12.233111				
B	2	930.177778	465.088889	47.152	0.0017		2.4
RB	4	39.454222	9.863556				
AB	8	870.462222	108.807778	9.158	0.0001		4.9
RAB	16	190.092444	11.880778				
COMPLETE FACTORIAL AOV For Arahy Plant Ht1 In Aug-4-22 (Data Column 35)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	1076.944444					
R	2	0.577778	0.288889	0.093	0.9119		
A	4	756.444444	189.111111	44.381	0.0001		1.81
RA	8	34.088889	4.261111				
B	2	115.477778	57.738889	5.635	0.0686		2.49
RB	4	40.988889	10.247222				
AB	8	79.522222	9.940278	3.191	0.0230		2.52
RAB	16	49.844444	3.115278				
COMPLETE FACTORIAL AOV For Arahy Plant HT2 In Aug-4-22 (Data Column 36)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	1042.477778					
R	2	2.177778	1.088889	0.315	0.7340		
A	4	682.366667	170.591667	47.718	0.0001		1.66
RA	8	28.600000	3.575000				
B	2	120.577778	60.288889	9.058	0.0327		2.01
RB	4	26.622222	6.655556				
AB	8	126.866667	15.858333	4.591	0.0046		2.65
RAB	16	55.266667	3.454167				

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University of Georgia

PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR)							
YEAR 3							
Trial ID:	PE-09-22	Study Dir.:	CHAD ABBOTT				
Location:	PONDER FARM	Investigator:	Eric P. Prostko				
COMPLETE FACTORIAL AOV For Arahy Plant Ht3 In Aug-4-22 (Data Column 37)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	1145.200000					
R	2	3.733333	1.866667	0.392	0.6821		
A	4	761.033333	190.258333	209.459	0.0001	0.84	
RA	8	7.266667	0.908333				
B	2	138.133333	69.066667	9.323	0.0312	2.12	
RB	4	29.633333	7.408333				
AB	8	129.200000	16.150000	3.391	0.0180	3.11	
RAB	16	76.200000	4.762500				
COMPLETE FACTORIAL AOV For Arahy Plant Ht4 In Aug-4-22 (Data Column 38)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	1219.800000					
R	2	4.633333	2.316667	0.538	0.5939		
A	4	856.744444	214.186111	47.922	0.0001	1.85	
RA	8	35.755556	4.469444				
B	2	73.900000	36.950000	16.859	0.0112	1.15	
RB	4	8.766667	2.191667				
AB	8	171.155556	21.394444	4.972	0.0031	2.96	
RAB	16	68.844444	4.302778				
COMPLETE FACTORIAL AOV For Arahy Plant Ht5 In Aug-4-22 (Data Column 39)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	1204.200000					
R	2	12.400000	6.200000	1.674	0.2187		
A	4	868.922222	217.230556	35.677	0.0001	2.16	
RA	8	48.711111	6.088889				
B	2	92.233333	46.116667	33.744	0.0031	0.91	
RB	4	5.466667	1.366667				
AB	8	117.211111	14.651389	3.956	0.0093	2.74	
RAB	16	59.255556	3.703472				
COMPLETE FACTORIAL AOV For Arahy Plant HGT-AVG In Aug-4-22 (Data Column 40)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	1077.723111					
R	2	3.115111	1.557556	0.597	0.5621		
A	4	780.303111	195.075778	83.344	0.0001	1.3	
RA	8	18.724889	2.340611				
B	2	103.741778	51.870889	14.362	0.0149	1.5	
RB	4	14.446222	3.611556				
AB	8	115.671556	14.458944	5.545	0.0018	2.3	
RAB	16	41.720444	2.607528				
COMPLETE FACTORIAL AOV For Arahy Plant Wt1 In Aug-4-22 (Data Column 41)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	3619.244444					
R	2	18.177778	9.088889	0.572	0.5755		
A	4	1587.244444	396.811111	32.452	0.0001	3.1	
RA	8	97.822222	12.227778				
B	2	801.377778	400.688889	65.448	0.0009	1.9	
RB	4	24.488889	6.122222				
AB	8	835.955556	104.494444	6.578	0.0007	5.7	
RAB	16	254.177778	15.886111				
COMPLETE FACTORIAL AOV For Arahy Plant Wt2 In Aug-4-22 (Data Column 42)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	4115.200000					
R	2	3.600000	1.800000	0.042	0.9590		
A	4	1908.088889	477.022222	13.588	0.0012	5.2	
RA	8	280.844444	35.105556				
B	2	500.800000	250.400000	7.365	0.0456	4.5	
RB	4	136.000000	34.000000				
AB	8	599.644444	74.955556	1.748	0.1627	9.3	
RAB	16	686.222222	42.888889				

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University of Georgia

PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR)							
YEAR 3							
Trial ID:	PE-09-22	Study Dir.:	CHAD ABBOTT				
Location:	PONDER FARM	Investigator:	Eric P. Prostko				
COMPLETE FACTORIAL AOV For Arahy Plant Wt3 In Aug-4-22 (Data Column 43)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	3684.311111					
R	2	23.244444	11.622222	0.963	0.4030		
A	4	1576.533333	394.133333	39.152	0.0001		2.8
RA	8	80.533333	10.066667				
B	2	871.511111	435.755556	50.735	0.0014		2.3
RB	4	34.355556	8.588889				
AB	8	904.933333	113.116667	9.368	0.0001		5.0
RAB	16	193.200000	12.075000				
COMPLETE FACTORIAL AOV For Arahy Plant Wt4 In Aug-4-22 (Data Column 44)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	3669.244444					
R	2	28.577778	14.288889	0.966	0.4017		
A	4	1524.133333	381.033333	46.279	0.0001		2.5
RA	8	65.866667	8.233333				
B	2	909.644444	454.822222	33.552	0.0032		2.9
RB	4	54.222222	13.555556				
AB	8	850.133333	106.266667	7.184	0.0004		5.5
RAB	16	236.666667	14.791667				
COMPLETE FACTORIAL AOV For Arahy Plant Wt5 In Aug-4-22 (Data Column 45)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	3488.444444					
R	2	20.311111	10.155556	0.907	0.4236		
A	4	1380.666667	345.166667	49.784	0.0001		2.3
RA	8	55.466667	6.933333				
B	2	930.711111	465.355556	68.885	0.0008		2.0
RB	4	27.022222	6.755556				
AB	8	895.066667	111.883333	9.990	0.0001		4.8
RAB	16	179.200000	11.200000				
COMPLETE FACTORIAL AOV For Arahy Plant WT-AVG In Aug-4-22 (Data Column 46)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	44	3504.208000					
R	2	11.525333	5.762667	0.416	0.6665		
A	4	1566.910222	391.727556	36.525	0.0001		2.9
RA	8	85.799111	10.724889				
B	2	790.821333	395.410667	40.032	0.0023		2.4
RB	4	39.509333	9.877333				
AB	8	788.076444	98.509556	7.114	0.0005		5.3
RAB	16	221.566222	13.847889				
COMPLETE FACTORIAL AOV For ARAHY YIELD DIRTY LBS/PLOT Sep-23-22 (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	43	1964.092000					
R	2	11.824000	5.912000	0.590	0.5668		
A	4	1156.900889	289.225222	60.036	0.0001		1.9
RA	8	38.540444	4.817556				
B	2	313.105333	156.552667	43.334	0.0019		1.5
RB	4	14.450667	3.612667				
AB	8	278.919111	34.864889	3.478	0.0180		4.5
RAB	15	150.351556	10.023437				
COMPLETE FACTORIAL AOV For ARAHY YIELD DIRTY LBS/PLOT Sep-23-22 (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	43	1886.313957					
R	2	11.355770	5.677885	0.590	0.5668		
A	4	1111.087614	277.771903	60.036	0.0001		1.9
RA	8	37.014243	4.626780				
B	2	300.706362	150.353181	43.334	0.0019		1.4
RB	4	13.878420	3.469605				
AB	8	267.873914	33.484239	3.478	0.0180		4.4
RAB	15	144.397634	9.626509				

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 ARSENAL POWERLINE 2AS (IMAZAPYR)

YEAR 3

Trial ID: PE-09-22 Study Dir.: CHAD ABBOTT
Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For ARAHY YIELD YIELD LBS/A Sep-23-22 (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	43	154863159.280540				
R	2	932289.320120	466144.660060	0.590	0.5668	
A	4	91218398.439482	22804599.609870	60.036	0.0001	540.3
RA	8	3038806.220250	379850.777531			
B	2	24687479.561847	12343739.780923	43.334	0.0019	415.5
RB	4	1139394.638189	284848.659547			
AB	8	21991991.582058	2748998.947757	3.478	0.0180	1272.5
RAB	15	11854799.518595	790319.967906			

Part Rated

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

Leaf = LEAF / FOLIAGE

PRM Data Type

T3 = ([C10]+[C11]+[C12]+[C13]+[C14])/5

T4 = ([C16]+[C17]+[C18]+[C19]+[C20])/5

T5 = ([C23]+[C24]+[C25]+[C26]+[C27])/5

T6 = ([C29]+[C30]+[C31]+[C32]+[C33])/5

T7 = ([35]+[36]+[37]+[38]+[39])/5

T8 = ([41]+[42]+[43]+[44]+[45])/5

T1 = [C47]*0.98

TY2 = 286.528*[C48]

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 ARSENAL POWERLINE 2AS (IMAZAPYR)											
YEAR 3											
Trial ID:		PE-09-22		Study Dir.:		CHAD ABBOTT					
Location:		PONDER FARM		Investigator:		Eric P. Prostko					
Weed Code					Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	
Crop Code						Plant, -	Plant, -	Plant, -			
Part Rated						Stand	Stunting	Chlorosi			
Rating Data Type					Stand	Stand	%	%	Stand	Stunting	
Rating Unit					#/5ft	#/5ft	%	%	#/5ft	%	
Rating Date					May-5-22	May-11-22	May-11-22	May-11-22	May-25-22	May-26-22	
Trt	Treatment	Form	Form	Rate							
No.	Name	Conc	Type	Rate Unit Plot	1	2	3	4	5	6	
1	ARSENAL POWERLINE PRE	2 AS	0.0 oz/a	101	26.0	27.0	0.0	0.0	29.0	0.0	
				202	24.0	30.0	0.0	0.0	27.0	0.0	
				314	24.0	24.0	0.0	0.0	26.0	0.0	
				Mean =	24.7	27.0	0.0	0.0	27.3	0.0	
2	ARSENAL POWERLINE 30 DAP	2 AS	0.0 oz/a	102	27.0	30.0	0.0	0.0	28.0	0.0	
				211	27.0	29.0	0.0	0.0	29.0	0.0	
				303	22.0	24.0	0.0	0.0	25.0	0.0	
				Mean =	25.3	27.7	0.0	0.0	27.3	0.0	
3	ARSENAL POWERLINE 61 DAP	2 AS	0.0 oz/a	103	26.0	28.0	0.0	0.0	27.0	0.0	
				214	22.0	27.0	0.0	0.0	29.0	0.0	
				312	23.0	29.0	0.0	0.0	27.0	0.0	
				Mean =	23.7	28.0	0.0	0.0	27.7	0.0	
4	ARSENAL POWERLINE PRE	2 AS	0.24 oz/a	104	23.0	29.0	5.0	0.0	25.0	0.0	
				206	22.0	22.0	15.0	5.0	23.0	25.0	
				305	26.0	28.0	25.0	15.0	28.0	25.0	
				Mean =	23.7	26.3	15.0	6.7	25.3	16.7	
5	ARSENAL POWERLINE 30 DAP	2 AS	0.24 oz/a	105	24.0	26.0	0.0	0.0	27.0	0.0	
				204	24.0	26.0	0.0	0.0	26.0	0.0	
				301	25.0	24.0	0.0	0.0	27.0	10.0	
				Mean =	24.3	25.3	0.0	0.0	26.7	3.3	
6	ARSENAL POWERLINE 61 DAP	2 AS	0.24 oz/a	106	27.0	24.0	0.0	0.0	28.0	0.0	
				203	23.0	27.0	0.0	0.0	25.0	0.0	
				309	27.0	30.0	0.0	0.0	28.0	0.0	
				Mean =	25.7	27.0	0.0	0.0	27.0	0.0	
7	ARSENAL POWERLINE PRE	2 AS	2.4 oz/a	107	19.0	24.0	60.0	5.0	29.0	65.0	
				209	11.0	24.0	20.0	25.0	25.0	50.0	
				315	9.0	22.0	70.0	25.0	27.0	65.0	
				Mean =	13.0	23.3	50.0	18.3	27.0	60.0	
8	ARSENAL POWERLINE 30 DAP	2 AS	2.4 oz/a	108	26.0	25.0	0.0	0.0	24.0	5.0	
				215	23.0	26.0	0.0	0.0	27.0	20.0	
				307	27.0	26.0	0.0	0.0	27.0	5.0	
				Mean =	25.3	25.7	0.0	0.0	26.0	10.0	
9	ARSENAL POWERLINE 61 DAP	2 AS	2.4 oz/a	109	30.0	30.0	0.0	0.0	28.0	0.0	
				205	27.0	28.0	0.0	0.0	24.0	0.0	
				304	29.0	27.0	0.0	0.0	29.0	0.0	
				Mean =	28.7	28.3	0.0	0.0	27.0	0.0	
10	ARSENAL POWERLINE PRE	2 AS	4.8 oz/a	110	1.0	27.0	80.0	10.0	26.0	75.0	
				213	10.0	25.0	80.0	25.0	25.0	70.0	
				311	11.0	29.0	85.0	20.0	26.0	70.0	
				Mean =	7.3	27.0	81.7	18.3	25.7	71.7	
11	ARSENAL POWERLINE 30 DAP	2 AS	4.8 oz/a	111	29.0	24.0	0.0	0.0	31.0	5.0	
				201	22.0	25.0	0.0	0.0	27.0	15.0	
				313	21.0	26.0	0.0	0.0	26.0	50.0	
				Mean =	24.0	25.0	0.0	0.0	28.0	23.3	
12	ARSENAL POWERLINE 61 DAP	2 AS	4.8 oz/a	112	20.0	29.0	0.0	0.0	27.0	0.0	
				207	26.0	25.0	0.0	0.0	25.0	0.0	
				310	25.0	29.0	0.0	0.0	28.0	0.0	
				Mean =	23.7	27.7	0.0	0.0	26.7	0.0	
13	ARSENAL POWERLINE PRE	2 AS	24 oz/a	113	6.0	21.0	90.0	10.0	26.0	80.0	
				208	0.0	12.0	90.0	20.0	26.0	85.0	
				306	0.0	12.0	75.0	50.0	19.0	85.0	
				Mean =	2.0	15.0	85.0	26.7	23.7	83.3	

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PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR)										
YEAR 3										
Trial ID:		PE-09-22		Study Dir.:		CHAD ABBOTT				
Location:		PONDER FARM		Investigator:		Eric P. Prostko				
Weed Code					Arahy	Arahy	Arahy	Arahy	Arahy	Arahy
Crop Code						Plant, -	Plant, -	Plant, -		Plant, -
Part Rated						Stand	Stunting	Chlorosi	Stand	Stunting
Rating Data Type					Stand	Stand	%	%	#/5ft	%
Rating Unit					#/5ft	#/5ft	%	%	#/5ft	%
Rating Date					May-5-22	May-11-22	May-11-22	May-11-22	May-25-22	May-26-22
Trt	Treatment	Form	Form	Rate						
No.	Name	Conc	Type	Rate Unit Plot	1	2	3	4	5	6
14	ARSENAL POWERLINE	2	AS	24 oz/a 114	26.0	25.0	0.0	0.0	26.0	5.0
	30 DAP			210	26.0	29.0	0.0	0.0	26.0	5.0
				308	22.0	25.0	0.0	0.0	25.0	10.0
				Mean =	24.7	26.3	0.0	0.0	25.7	6.7
15	ARSENAL POWERLINE	2	AS	24 oz/a 115	26.0	28.0	0.0	0.0	29.0	0.0
	61 DAP			212	26.0	27.0	0.0	0.0	29.0	0.0
				302	26.0	29.0	0.0	0.0	26.0	0.0
				Mean =	26.0	28.0	0.0	0.0	28.0	0.0

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PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR)											
YEAR 3											
Trial ID:		PE-09-22		Study Dir.:		CHAD ABBOTT					
Location:		PONDER FARM		Investigator:		Eric P. Prostko					
Weed Code					Arahy Leaf, - Chlorosi %	Arahy Plant, - Stunting %	Arahy Plant, - Chlorosi %	Arahy Plant, - Ht1 In	Arahy Plant, - Ht2 In	Arahy Plant, - Ht3 In	
Crop Code											
Part Rated											
Rating Data Type											
Rating Unit											
Rating Date					May-26-22	Jun-8-22	Jun-8-22	Jun-29-22	Jun-29-22	Jun-29-22	
Trt Treatment		Form Form		Rate							
No. Name		Conc Type		Rate Unit Plot	7	8	9	10	11	12	
1	ARSENAL POWERLINE PRE	2 AS	0.0 oz/a	101	0.0	0.0	0.0	11.50	11.00	10.00	
				202	0.0	0.0	0.0	8.00	9.00	9.50	
				314	0.0	0.0	0.0	11.00	11.00	9.00	
				Mean =	0.0	0.0	0.0	10.17	10.33	9.50	
2	ARSENAL POWERLINE 30 DAP	2 AS	0.0 oz/a	102	0.0	0.0	0.0	11.00	10.50	11.50	
				211	0.0	0.0	0.0	10.00	9.00	10.00	
				303	0.0	0.0	0.0	7.00	8.00	9.00	
				Mean =	0.0	0.0	0.0	9.33	9.17	10.17	
3	ARSENAL POWERLINE 61 DAP	2 AS	0.0 oz/a	103	0.0	0.0	0.0	10.00	12.00	9.00	
				214	0.0	0.0	0.0	9.00	11.00	9.50	
				312	0.0	0.0	0.0	10.00	10.00	9.50	
				Mean =	0.0	0.0	0.0	9.67	11.00	9.33	
4	ARSENAL POWERLINE PRE	2 AS	0.24 oz/a	104	0.0	0.0	0.0	9.50	10.50	10.50	
				206	5.0	15.0	5.0	7.00	9.00	8.00	
				305	5.0	10.0	5.0	7.00	5.50	9.00	
				Mean =	3.3	8.3	3.3	7.83	8.33	9.17	
5	ARSENAL POWERLINE 30 DAP	2 AS	0.24 oz/a	105	0.0	10.0	0.0	9.00	9.00	8.50	
				204	0.0	0.0	0.0	9.50	9.50	9.00	
				301	5.0	10.0	5.0	9.00	9.00	7.50	
				Mean =	1.7	6.7	1.7	9.17	9.17	8.33	
6	ARSENAL POWERLINE 61 DAP	2 AS	0.24 oz/a	106	0.0	0.0	0.0	10.00	10.00	10.00	
				203	0.0	0.0	0.0	9.00	9.00	8.00	
				309	0.0	0.0	0.0	9.50	9.00	9.00	
				Mean =	0.0	0.0	0.0	9.50	9.33	9.00	
7	ARSENAL POWERLINE PRE	2 AS	2.4 oz/a	107	20.0	65.0	10.0	3.00	4.00	4.00	
				209	30.0	45.0	10.0	6.00	6.00	6.00	
				315	30.0	65.0	20.0	4.00	3.00	3.00	
				Mean =	26.7	58.3	13.3	4.33	4.33	4.33	
8	ARSENAL POWERLINE 30 DAP	2 AS	2.4 oz/a	108	15.0	35.0	15.0	7.00	6.00	6.50	
				215	30.0	40.0	30.0	6.50	6.00	6.50	
				307	15.0	25.0	25.0	7.00	7.00	7.50	
				Mean =	20.0	33.3	23.3	6.83	6.33	6.83	
9	ARSENAL POWERLINE 61 DAP	2 AS	2.4 oz/a	109	0.0	0.0	0.0	10.50	9.50	8.00	
				205	0.0	0.0	0.0	9.00	8.50	8.00	
				304	0.0	0.0	0.0	9.00	7.00	7.50	
				Mean =	0.0	0.0	0.0	9.50	8.33	7.83	
10	ARSENAL POWERLINE PRE	2 AS	4.8 oz/a	110	30.0	75.0	20.0	3.00	3.00	4.00	
				213	40.0	75.0	25.0	3.00	3.00	3.00	
				311	30.0	75.0	20.0	3.00	3.00	3.00	
				Mean =	33.3	75.0	21.7	3.00	3.00	3.33	
11	ARSENAL POWERLINE 30 DAP	2 AS	4.8 oz/a	111	15.0	50.0	0.0	5.50	6.00	5.00	
				201	25.0	55.0	25.0	4.00	5.00	5.00	
				313	25.0	55.0	25.0	5.50	5.50	6.00	
				Mean =	21.7	53.3	16.7	5.00	5.50	5.33	
12	ARSENAL POWERLINE 61 DAP	2 AS	4.8 oz/a	112	0.0	0.0	0.0	7.50	8.00	8.00	
				207	0.0	0.0	0.0	8.00	8.00	8.00	
				310	0.0	0.0	0.0	10.00	11.00	10.00	
				Mean =	0.0	0.0	0.0	8.50	9.00	8.67	
13	ARSENAL POWERLINE PRE	2 AS	24 oz/a	113	30.0	90.0	20.0	1.00	2.00	1.00	
				208	50.0	90.0	30.0	1.50	2.50	2.00	
				306	40.0	85.0	30.0	1.50	1.00	1.50	
				Mean =	40.0	88.3	26.7	1.33	1.83	1.50	

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PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR)

YEAR 3

Trial ID: PE-09-22 Study Dir.: CHAD ABBOTT
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date					Arahy Leaf, - Chlorosi % May-26-22	Arahy Plant, - Stunting % Jun-8-22	Arahy Plant, - Chlorosi % Jun-8-22	Arahy Plant, - Ht1 In Jun-29-22	Arahy Plant, - Ht2 In Jun-29-22	Arahy Plant, - Ht3 In Jun-29-22
Trt	Treatment	Form	Form	Rate	7	8	9	10	11	12
No.	Name	Conc	Type	Rate Unit Plot						
14	ARSENAL POWERLINE 30 DAP	2 AS	24 oz/a	114	30.0	55.0	25.0	3.00	3.50	3.50
				210	40.0	50.0	30.0	4.00	3.00	3.00
				308	40.0	45.0	25.0	4.00	4.00	3.00
				Mean =	36.7	50.0	26.7	3.67	3.50	3.17
15	ARSENAL POWERLINE 61 DAP	2 AS	24 oz/a	115	0.0	0.0	0.0	9.00	9.50	8.50
				212	0.0	0.0	0.0	10.00	9.00	9.00
				302	0.0	0.0	0.0	8.00	8.00	6.50
				Mean =	0.0	0.0	0.0	9.00	8.83	8.00

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PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR)											
YEAR 3											
Trial ID:		PE-09-22		Study Dir.:		CHAD ABBOTT					
Location:		PONDER FARM		Investigator:		Eric P. Prostko					
Weed Code					Arahy Plant, - Ht4 In Jun-29-22	Arahy Plant, - Ht5 In Jun-29-22	Arahy Plant, - HGT-AVG In Jun-29-22	Arahy Plant, - Wt1 In Jun-29-22	Arahy Plant, - Wt2 In Jun-29-22	Arahy Plant, - Wt3 In Jun-29-22	
Crop Code											
Part Rated											
Rating Data Type											
Rating Unit											
Rating Date											
Trt Treatment		Form Form		Rate							
No. Name		Conc Type		Rate Unit Plot		13	14	15	16	17	18
1	ARSENAL POWERLINE PRE	2 AS	0.0 oz/a	101	10.50	9.50	10.5	30.0	29.0	30.0	
				202	9.00	9.00	8.9	29.0	29.0	30.0	
				314	10.00	10.00	10.2	30.0	29.0	26.0	
				Mean =	9.83	9.50	9.9	29.7	29.0	28.7	
2	ARSENAL POWERLINE 30 DAP	2 AS	0.0 oz/a	102	10.50	11.00	10.9	29.0	28.0	27.0	
				211	8.50	10.00	9.5	29.0	29.0	25.0	
				303	9.50	9.00	8.5	26.0	26.0	28.0	
				Mean =	9.50	10.00	9.6	28.0	27.7	26.7	
3	ARSENAL POWERLINE 61 DAP	2 AS	0.0 oz/a	103	9.00	9.00	9.8	26.0	29.0	28.0	
				214	11.00	10.00	10.1	29.0	26.0	28.0	
				312	8.50	9.00	9.4	29.0	30.0	30.0	
				Mean =	9.50	9.33	9.8	28.0	28.3	28.7	
4	ARSENAL POWERLINE PRE	2 AS	0.24 oz/a	104	11.00	11.00	10.5	29.0	25.0	25.0	
				206	6.00	9.00	7.8	26.0	24.0	22.0	
				305	7.00	9.00	7.5	26.0	20.0	24.0	
				Mean =	8.00	9.67	8.6	27.0	23.0	23.7	
5	ARSENAL POWERLINE 30 DAP	2 AS	0.24 oz/a	105	8.00	9.50	8.8	29.0	29.0	29.0	
				204	9.00	9.00	9.2	27.0	26.0	28.0	
				301	9.00	10.00	8.9	30.0	27.0	26.0	
				Mean =	8.67	9.50	9.0	28.7	27.3	27.7	
6	ARSENAL POWERLINE 61 DAP	2 AS	0.24 oz/a	106	8.00	9.00	9.4	29.0	30.0	23.0	
				203	8.00	8.00	8.4	26.0	25.0	27.0	
				309	9.00	10.00	9.3	27.0	30.0	28.0	
				Mean =	8.33	9.00	9.0	27.3	28.3	26.0	
7	ARSENAL POWERLINE PRE	2 AS	2.4 oz/a	107	3.00	3.50	3.5	11.0	11.0	14.0	
				209	7.00	5.50	6.1	22.0	19.0	18.0	
				315	3.50	3.00	3.3	13.0	14.0	11.0	
				Mean =	4.50	4.00	4.3	15.3	14.7	14.3	
8	ARSENAL POWERLINE 30 DAP	2 AS	2.4 oz/a	108	6.00	7.00	6.5	26.0	27.0	25.0	
				215	5.50	5.00	5.9	22.0	23.0	22.0	
				307	8.00	9.00	7.7	24.0	26.0	24.0	
				Mean =	6.50	7.00	6.7	24.0	25.3	23.7	
9	ARSENAL POWERLINE 61 DAP	2 AS	2.4 oz/a	109	7.50	7.50	8.6	27.0	26.0	25.0	
				205	8.50	8.00	8.4	26.0	23.0	25.0	
				304	7.00	6.50	7.4	28.0	26.0	25.0	
				Mean =	7.67	7.33	8.1	27.0	25.0	25.0	
10	ARSENAL POWERLINE PRE	2 AS	4.8 oz/a	110	3.50	2.50	3.2	11.0	12.0	11.0	
				213	5.00	3.00	3.4	12.0	12.0	13.0	
				311	3.00	3.00	3.0	11.0	11.0	12.0	
				Mean =	3.83	2.83	3.2	11.3	11.7	12.0	
11	ARSENAL POWERLINE 30 DAP	2 AS	4.8 oz/a	111	4.50	4.50	5.1	17.0	17.0	18.0	
				201	5.50	6.00	5.1	21.0	20.0	19.0	
				313	6.00	5.50	5.7	21.0	21.0	21.0	
				Mean =	5.33	5.33	5.3	19.7	19.3	19.3	
12	ARSENAL POWERLINE 61 DAP	2 AS	4.8 oz/a	112	8.00	7.00	7.7	26.0	27.0	24.0	
				207	9.00	8.00	8.2	26.0	29.0	24.0	
				310	9.00	10.00	10.0	26.0	24.0	27.0	
				Mean =	8.67	8.33	8.6	26.0	26.7	25.0	
13	ARSENAL POWERLINE PRE	2 AS	24 oz/a	113	2.00	2.00	1.6	11.0	11.0	11.0	
				208	2.00	2.50	2.1	11.0	11.0	11.0	
				306	1.50	1.50	1.4	11.0	10.0	11.0	
				Mean =	1.83	2.00	1.7	11.0	10.7	11.0	

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PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR)

YEAR 3

Trial ID: PE-09-22 Study Dir.: CHAD ABBOTT
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date					Arahy Plant, - Ht4 In Jun-29-22	Arahy Plant, - Ht5 In Jun-29-22	Arahy Plant, - HGT-AVG In Jun-29-22	Arahy Plant, - Wt1 In Jun-29-22	Arahy Plant, - Wt2 In Jun-29-22	Arahy Plant, - Wt3 In Jun-29-22		
Trt	Treatment	Form	Form	Rate								
No.	Name	Conc	Type	Rate	Unit	Plot	13	14	15	16	17	18
14	ARSENAL POWERLINE 30 DAP	2	AS	24 oz/a	114		3.50	3.00	3.3	16.0	14.0	14.0
					210		3.00	3.50	3.3	14.0	14.0	15.0
					308		3.50	3.50	3.6	15.0	15.0	14.0
					Mean =		3.33	3.33	3.4	15.0	14.3	14.3
15	ARSENAL POWERLINE 61 DAP	2	AS	24 oz/a	115		9.00	9.00	9.0	25.0	25.0	29.0
					212		8.00	8.50	8.9	27.0	25.0	27.0
					302		7.50	7.00	7.4	25.0	26.0	23.0
					Mean =		8.17	8.17	8.4	25.7	25.3	26.3

University of Georgia

PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR)											
YEAR 3											
Trial ID:		PE-09-22		Study Dir.:		CHAD ABBOTT					
Location:		PONDER FARM		Investigator:		Eric P. Prostko					
Weed Code					Arahy Plant, - Wt4 In Jun-29-22	Arahy Plant, - Wt5 In Jun-29-22	Arahy Plant, - WDT-AVG In Jun-29-22	Arahy Plant, - Lapping % Jun-29-22	Arahy Plant, - Ht1 In Jul-21-22	Arahy Plant, - Ht2 In Jul-21-22	
Crop Code											
Part Rated											
Rating Data Type											
Rating Unit											
Rating Date											
Trt	Treatment	Form	Form	Rate							
No.	Name	Conc	Type	Rate Unit	Plot	19	20	21	22	23	24
1	ARSENAL POWERLINE PRE	2	AS	0.0 oz/a	101	30.0	30.0	29.8	75.0	16.00	17.00
					202	27.0	26.0	28.2	50.0	15.00	16.00
					314	29.0	29.0	28.6	65.0	14.50	16.00
					Mean =	28.7	28.3	28.9	63.3	15.17	16.33
2	ARSENAL POWERLINE 30 DAP	2	AS	0.0 oz/a	102	30.0	27.0	28.2	65.0	17.00	17.50
					211	26.0	26.0	27.0	50.0	15.50	15.00
					303	30.0	30.0	28.0	15.0	14.00	14.00
					Mean =	28.7	27.7	27.7	43.3	15.50	15.50
3	ARSENAL POWERLINE 61 DAP	2	AS	0.0 oz/a	103	30.0	24.0	27.4	50.0	14.00	15.00
					214	30.0	30.0	28.6	25.0	15.00	17.00
					312	30.0	28.0	29.4	75.0	16.00	17.00
					Mean =	30.0	27.3	28.5	50.0	15.00	16.33
4	ARSENAL POWERLINE PRE	2	AS	0.24 oz/a	104	25.0	24.0	25.6	25.0	14.00	16.00
					206	26.0	24.0	24.4	5.0	14.50	15.00
					305	23.0	27.0	24.0	5.0	14.00	14.00
					Mean =	24.7	25.0	24.7	11.7	14.17	15.00
5	ARSENAL POWERLINE 30 DAP	2	AS	0.24 oz/a	105	29.0	24.0	28.0	30.0	16.00	15.00
					204	24.0	25.0	26.0	15.0	16.00	15.00
					301	26.0	28.0	27.4	5.0	15.00	16.00
					Mean =	26.3	25.7	27.1	16.7	15.67	15.33
6	ARSENAL POWERLINE 61 DAP	2	AS	0.24 oz/a	106	23.0	23.0	25.6	25.0	13.00	14.00
					203	25.0	25.0	25.6	15.0	16.00	14.00
					309	29.0	27.0	28.2	15.0	15.00	12.00
					Mean =	25.7	25.0	26.5	18.3	14.67	13.33
7	ARSENAL POWERLINE PRE	2	AS	2.4 oz/a	107	12.0	11.0	11.8	0.0	4.00	4.50
					209	17.0	20.0	19.2	0.0	12.00	12.00
					315	14.0	14.0	13.2	0.0	6.00	4.00
					Mean =	14.3	15.0	14.7	0.0	7.33	6.83
8	ARSENAL POWERLINE 30 DAP	2	AS	2.4 oz/a	108	26.0	23.0	25.4	0.0	11.00	13.50
					215	22.0	23.0	22.4	0.0	13.00	13.00
					307	23.0	26.0	24.6	0.0	12.00	13.50
					Mean =	23.7	24.0	24.1	0.0	12.00	13.33
9	ARSENAL POWERLINE 61 DAP	2	AS	2.4 oz/a	109	23.0	24.0	25.0	15.0	11.00	12.00
					205	24.0	26.0	24.8	15.0	12.00	12.00
					304	25.0	22.0	25.2	5.0	10.00	11.00
					Mean =	24.0	24.0	25.0	11.7	11.00	11.67
10	ARSENAL POWERLINE PRE	2	AS	4.8 oz/a	110	11.0	13.0	11.6	0.0	4.00	4.00
					213	13.0	11.0	12.2	0.0	4.50	4.00
					311	11.0	13.0	11.6	0.0	4.00	4.00
					Mean =	11.7	12.3	11.8	0.0	4.17	4.00
11	ARSENAL POWERLINE 30 DAP	2	AS	4.8 oz/a	111	17.0	17.0	17.2	0.0	1.00	11.00
					201	17.0	17.0	18.8	0.0	12.00	12.00
					313	20.0	20.0	20.6	0.0	12.00	13.00
					Mean =	18.0	18.0	18.9	0.0	8.33	12.00
12	ARSENAL POWERLINE 61 DAP	2	AS	4.8 oz/a	112	25.0	24.0	25.2	10.0	10.00	10.00
					207	29.0	25.0	26.6	5.0	9.00	7.50
					310	26.0	30.0	26.6	25.0	10.00	11.00
					Mean =	26.7	26.3	26.1	13.3	9.67	9.50
13	ARSENAL POWERLINE PRE	2	AS	24 oz/a	113	11.0	10.0	10.8	0.0	2.50	2.50
					208	11.0	12.0	11.2	0.0	3.00	3.00
					306	13.0	11.0	11.2	0.0	2.50	3.00
					Mean =	11.7	11.0	11.1	0.0	2.67	2.83

University of Georgia

PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR)

YEAR 3

Trial ID: PE-09-22 Study Dir.: CHAD ABBOTT
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date					Arahy Plant, - Wt4 In Jun-29-22	Arahy Plant, - Wt5 In Jun-29-22	Arahy Plant, - WDT-AVG In Jun-29-22	Arahy Plant, - Lapping % Jun-29-22	Arahy Plant, - Ht1 In Jul-21-22	Arahy Plant, - Ht2 In Jul-21-22
Trt	Treatment	Form	Form	Rate	19	20	21	22	23	24
No.	Name	Conc	Type	Rate Unit Plot						
14	ARSENAL POWERLINE 30 DAP	2 AS	24 oz/a	114	14.0	14.0	14.4	0.0	5.00	7.00
				210	14.0	13.0	14.0	0.0	4.00	6.00
				308	14.0	15.0	14.6	0.0	9.00	8.00
				Mean =	14.0	14.0	14.3	0.0	6.00	7.00
15	ARSENAL POWERLINE 61 DAP	2 AS	24 oz/a	115	25.0	29.0	26.6	15.0	9.50	8.00
				212	29.0	27.0	27.0	15.0	10.00	8.50
				302	25.0	22.0	24.2	5.0	8.00	7.00
				Mean =	26.3	26.0	25.9	11.7	9.17	7.83

University of Georgia

PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR)												
YEAR 3												
Trial ID:		PE-09-22		Study Dir.:		CHAD ABBOTT						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code					Arahy Plant, - Ht3 In Jul-21-22	Arahy Plant, - Ht4 In Jul-21-22	Arahy Plant, - Ht5 In Jul-21-22	Arahy Plant, - HGT-AVG In Jul-21-22	Arahy Plant, - Wt1 In Jul-21-22	Arahy Plant, - Wt2 In Jul-21-22	Arahy Plant, - Wt3 In Jul-21-22	
Crop Code												
Part Rated												
Rating Data Type												
Rating Unit												
Rating Date												
Trt	Treatment	Form	Form	Rate								
No.	Name	Conc	Type	Rate Unit	Plot	25	26	27	28	29	30	31
1	ARSENAL POWERLINE PRE	2	AS	0.0 oz/a	101	17.00	18.00	18.00	17.2	36.0	36.0	36.0
					202	17.00	15.00	16.00	15.8	36.0	36.0	36.0
					314	15.00	16.00	16.00	15.5	36.0	36.0	36.0
					Mean =	16.33	16.33	16.67	16.2	36.0	36.0	36.0
2	ARSENAL POWERLINE 30 DAP	2	AS	0.0 oz/a	102	18.00	18.50	15.00	17.2	36.0	36.0	36.0
					211	13.00	13.50	15.00	14.4	36.0	36.0	36.0
					303	15.00	15.00	14.50	14.5	36.0	36.0	36.0
					Mean =	15.33	15.67	14.83	15.4	36.0	36.0	36.0
3	ARSENAL POWERLINE 61 DAP	2	AS	0.0 oz/a	103	15.00	15.00	14.00	14.6	36.0	36.0	36.0
					214	17.00	16.50	17.00	16.5	36.0	36.0	36.0
					312	17.00	16.50	16.50	16.6	36.0	36.0	36.0
					Mean =	16.33	16.00	15.83	15.9	36.0	36.0	36.0
4	ARSENAL POWERLINE PRE	2	AS	0.24 oz/a	104	15.00	17.00	16.00	15.6	36.0	36.0	36.0
					206	15.00	14.00	15.00	14.7	36.0	36.0	36.0
					305	14.00	15.00	14.50	14.3	36.0	36.0	36.0
					Mean =	14.67	15.33	15.17	14.9	36.0	36.0	36.0
5	ARSENAL POWERLINE 30 DAP	2	AS	0.24 oz/a	105	16.00	15.00	15.00	15.4	36.0	36.0	36.0
					204	15.00	14.50	15.00	15.1	36.0	36.0	36.0
					301	14.00	15.00	16.00	15.2	36.0	36.0	36.0
					Mean =	15.00	14.83	15.33	15.2	36.0	36.0	36.0
6	ARSENAL POWERLINE 61 DAP	2	AS	0.24 oz/a	106	14.00	16.00	16.00	14.6	36.0	36.0	36.0
					203	12.00	14.00	15.00	14.2	36.0	36.0	36.0
					309	16.00	14.00	14.00	14.2	36.0	36.0	36.0
					Mean =	14.00	14.67	15.00	14.3	36.0	36.0	36.0
7	ARSENAL POWERLINE PRE	2	AS	2.4 oz/a	107	5.00	6.00	6.50	5.2	15.0	17.0	14.0
					209	13.00	13.00	14.00	12.8	36.0	36.0	36.0
					315	6.00	5.00	5.00	5.2	18.0	18.0	16.0
					Mean =	8.00	8.00	8.50	7.7	23.0	23.7	22.0
8	ARSENAL POWERLINE 30 DAP	2	AS	2.4 oz/a	108	15.00	13.50	14.00	13.4	36.0	36.0	36.0
					215	13.00	13.00	15.00	13.4	36.0	36.0	36.0
					307	13.00	15.00	15.00	13.7	36.0	36.0	36.0
					Mean =	13.67	13.83	14.67	13.5	36.0	36.0	36.0
9	ARSENAL POWERLINE 61 DAP	2	AS	2.4 oz/a	109	11.00	12.00	12.50	11.7	36.0	36.0	36.0
					205	11.00	12.00	12.00	11.8	36.0	36.0	36.0
					304	11.00	12.00	11.00	11.0	36.0	36.0	36.0
					Mean =	11.00	12.00	11.83	11.5	36.0	36.0	36.0
10	ARSENAL POWERLINE PRE	2	AS	4.8 oz/a	110	3.00	4.00	4.00	3.8	14.0	12.0	16.0
					213	4.00	4.50	3.00	4.0	13.0	14.0	13.0
					311	4.00	5.00	5.00	4.4	15.0	13.0	15.0
					Mean =	3.67	4.50	4.00	4.1	14.0	13.0	14.7
11	ARSENAL POWERLINE 30 DAP	2	AS	4.8 oz/a	111	10.00	10.00	11.00	8.6	25.0	24.0	24.0
					201	11.00	11.50	13.00	11.9	29.0	26.0	24.0
					313	13.00	12.00	12.00	12.4	28.0	28.0	23.0
					Mean =	11.33	11.17	12.00	11.0	27.3	26.0	23.7
12	ARSENAL POWERLINE 61 DAP	2	AS	4.8 oz/a	112	9.00	11.00	11.00	10.2	36.0	36.0	36.0
					207	7.00	8.00	8.50	8.0	36.0	36.0	36.0
					310	12.00	11.00	10.00	10.8	36.0	36.0	36.0
					Mean =	9.33	10.00	9.83	9.7	36.0	36.0	36.0
13	ARSENAL POWERLINE PRE	2	AS	24 oz/a	113	3.00	3.00	2.50	2.7	11.0	12.0	11.0
					208	3.00	3.00	2.00	2.8	12.0	12.0	12.0
					306	2.50	2.00	2.00	2.4	11.0	11.0	12.0
					Mean =	2.83	2.67	2.17	2.6	11.3	11.7	11.7

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PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR)												
YEAR 3												
Trial ID:		PE-09-22		Study Dir.:		CHAD ABBOTT						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code				Arahy Plant, - Ht3 In Jul-21-22	Arahy Plant, - Ht4 In Jul-21-22	Arahy Plant, - Ht5 In Jul-21-22	Arahy Plant, - HGT-AVG In Jul-21-22	Arahy Plant, - Wt1 In Jul-21-22	Arahy Plant, - Wt2 In Jul-21-22	Arahy Plant, - Wt3 In Jul-21-22		
Crop Code												
Part Rated												
Rating Data Type												
Rating Unit												
Rating Date												
Trt Treatment		Form Form		Rate								
No. Name		Conc Type		Rate Unit Plot		25	26	27	28	29	30	31
14 ARSENAL POWERLINE		2 AS		24 oz/a 114		5.00	5.00	5.00	5.4	15.0	15.0	15.0
30 DAP				210		6.00	5.00	6.50	5.5	14.0	17.0	15.0
				308		6.00	6.00	6.00	7.0	4.0	15.0	16.0
				Mean =		5.67	5.33	5.83	6.0	11.0	15.7	15.3
15 ARSENAL POWERLINE		2 AS		24 oz/a 115		8.00	7.00	7.00	7.9	36.0	36.0	36.0
61 DAP				212		8.00	7.00	8.00	8.3	36.0	36.0	36.0
				302		6.00	8.00	7.00	7.2	23.0	26.0	26.0
				Mean =		7.33	7.33	7.33	7.8	31.7	32.7	32.7

University of Georgia

PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR)												
YEAR 3												
Trial ID:		PE-09-22		Study Dir.:		CHAD ABBOTT						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code					Arahy Plant, - Wt4 In Jul-21-22	Arahy Plant, - Wt5 In Jul-21-22	Arahy Plant, - WDT-AVG In Jul-21-22	Arahy Plant, - Ht1 In Aug-4-22	Arahy Plant, - HT2 In Aug-4-22	Arahy Plant, - Ht3 In Aug-4-22	Arahy Plant, - Ht4 In Aug-4-22	
Crop Code												
Part Rated												
Rating Data Type												
Rating Unit												
Rating Date												
Trt	Treatment	Form	Form	Rate								
No.	Name	Conc	Type	Rate Unit Plot	32	33	34	35	36	37	38	
1	ARSENAL POWERLINE PRE	2 AS	0.0 oz/a	101	36.0	36.0	36.0	20.00	18.00	18.00	21.00	
				202	36.0	36.0	36.0	15.00	17.00	18.00	18.00	
				314	36.0	36.0	36.0	14.00	18.00	17.00	19.00	
				Mean =	36.0	36.0	36.0	16.33	17.67	17.67	19.33	
2	ARSENAL POWERLINE 30 DAP	2 AS	0.0 oz/a	102	36.0	36.0	36.0	18.00	17.00	17.50	17.50	
				211	36.0	36.0	36.0	16.00	17.00	17.00	15.00	
				303	36.0	36.0	36.0	16.00	15.00	16.00	16.00	
				Mean =	36.0	36.0	36.0	16.67	16.33	16.83	16.17	
3	ARSENAL POWERLINE 61 DAP	2 AS	0.0 oz/a	103	36.0	36.0	36.0	17.00	16.00	16.00	16.50	
				214	36.0	36.0	36.0	19.00	15.00	19.00	18.50	
				312	36.0	36.0	36.0	19.00	19.00	16.50	18.00	
				Mean =	36.0	36.0	36.0	18.33	16.67	17.17	17.67	
4	ARSENAL POWERLINE PRE	2 AS	0.24 oz/a	104	36.0	36.0	36.0	16.50	16.00	17.00	17.00	
				206	36.0	36.0	36.0	17.00	18.00	15.00	16.00	
				305	36.0	36.0	36.0	15.00	14.00	16.00	18.00	
				Mean =	36.0	36.0	36.0	16.17	16.00	16.00	17.00	
5	ARSENAL POWERLINE 30 DAP	2 AS	0.24 oz/a	105	36.0	36.0	36.0	15.00	16.00	18.00	19.00	
				204	36.0	36.0	36.0	18.00	17.00	17.00	18.50	
				301	36.0	36.0	36.0	16.00	16.00	15.00	15.00	
				Mean =	36.0	36.0	36.0	16.33	16.33	16.67	17.50	
6	ARSENAL POWERLINE 61 DAP	2 AS	0.24 oz/a	106	36.0	36.0	36.0	17.00	16.00	13.00	15.00	
				203	36.0	36.0	36.0	17.00	17.00	16.00	12.00	
				309	36.0	36.0	36.0	17.00	14.00	17.00	16.00	
				Mean =	36.0	36.0	36.0	17.00	15.67	15.33	14.33	
7	ARSENAL POWERLINE PRE	2 AS	2.4 oz/a	107	15.0	14.0	15.0	9.00	8.00	11.00	9.00	
				209	36.0	36.0	36.0	15.00	14.00	15.50	15.00	
				315	15.0	18.0	17.0	5.50	5.00	5.00	5.00	
				Mean =	22.0	22.7	22.7	9.83	9.00	10.50	9.67	
8	ARSENAL POWERLINE 30 DAP	2 AS	2.4 oz/a	108	36.0	36.0	36.0	12.00	13.00	17.00	16.00	
				215	36.0	36.0	36.0	12.50	15.00	13.00	15.00	
				307	36.0	36.0	36.0	15.00	16.00	19.00	13.00	
				Mean =	36.0	36.0	36.0	13.17	14.67	16.33	14.67	
9	ARSENAL POWERLINE 61 DAP	2 AS	2.4 oz/a	109	36.0	36.0	36.0	14.00	14.00	14.00	13.00	
				205	36.0	36.0	36.0	14.00	13.00	14.00	15.50	
				304	36.0	36.0	36.0	14.00	13.00	13.00	14.00	
				Mean =	36.0	36.0	36.0	14.00	13.33	13.67	14.17	
10	ARSENAL POWERLINE PRE	2 AS	4.8 oz/a	110	16.0	15.0	14.6	6.50	7.00	6.50	6.00	
				213	16.0	14.0	14.0	5.00	5.00	6.00	6.00	
				311	15.0	14.0	14.4	4.00	4.00	4.00	4.00	
				Mean =	15.7	14.3	14.3	5.17	5.33	5.50	5.33	
11	ARSENAL POWERLINE 30 DAP	2 AS	4.8 oz/a	111	30.0	26.0	25.8	12.00	11.00	15.00	11.00	
				201	25.0	28.0	26.4	13.00	15.00	15.00	15.00	
				313	29.0	30.0	27.6	16.00	17.00	17.00	17.00	
				Mean =	28.0	28.0	26.6	13.67	14.33	15.67	14.33	
12	ARSENAL POWERLINE 61 DAP	2 AS	4.8 oz/a	112	36.0	36.0	36.0	10.50	12.50	11.00	12.00	
				207	36.0	36.0	36.0	8.00	12.00	12.00	13.00	
				310	36.0	36.0	36.0	13.00	14.00	10.00	11.00	
				Mean =	36.0	36.0	36.0	10.50	12.83	11.00	12.00	
13	ARSENAL POWERLINE PRE	2 AS	24 oz/a	113	11.0	11.0	11.2	2.50	3.00	2.50	2.00	
				208	13.0	12.0	12.2	4.00	3.00	2.00	4.00	
				306	11.0	10.0	11.0	3.00	2.00	2.00	2.00	
				Mean =	11.7	11.0	11.5	3.17	2.67	2.17	2.67	

University of Georgia

PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR)

YEAR 3

Trial ID: PE-09-22 Study Dir.: CHAD ABBOTT
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Arahy Plant, - Wt4 In Jul-21-22	Arahy Plant, - Wt5 In Jul-21-22	Arahy Plant, - WDT-AVG In Jul-21-22	Arahy Plant, - Ht1 In Aug-4-22	Arahy Plant, - HT2 In Aug-4-22	Arahy Plant, - Ht3 In Aug-4-22	Arahy Plant, - Ht4 In Aug-4-22
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Plot	32	33	34	35	36	37	38
14	ARSENAL POWERLINE 30 DAP	2 AS	24 oz/a	114		17.0	15.0	15.4	5.50	8.00	7.00	7.00
				210		15.0	16.0	15.4	5.00	5.00	6.00	5.00
				308		17.0	17.0	13.8	10.00	10.00	10.00	7.00
				Mean =		16.3	16.0	14.9	6.83	7.67	7.67	6.33
15	ARSENAL POWERLINE 61 DAP	2 AS	24 oz/a	115		36.0	36.0	36.0	8.00	8.50	8.00	8.00
				212		36.0	36.0	36.0	9.00	8.00	8.00	7.00
				302		24.0	23.0	24.4	9.00	7.00	6.00	7.00
				Mean =		32.0	31.7	32.1	8.67	7.83	7.33	7.33

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PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR)												
YEAR 3												
Trial ID:		PE-09-22		Study Dir.:		CHAD ABBOTT						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code					Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy
Crop Code					Plant, -	Plant, -	Plant, -	Plant, -	Plant, -	Plant, -	Plant, -	Plant, -
Part Rated					Ht5	HGT-AVG	Wt1	Wt2	Wt3	Wt4	Wt5	
Rating Data Type					In	In	In	In	In	In	In	In
Rating Unit					Aug-4-22	Aug-4-22	Aug-4-22	Aug-4-22	Aug-4-22	Aug-4-22	Aug-4-22	Aug-4-22
Rating Date												
Trt	Treatment	Form	Form	Rate								
No.	Name	Conc	Type	Rate Unit	Plot	39	40	41	42	43	44	45
1	ARSENAL POWERLINE PRE	2 AS	0.0 oz/a	101	19.00	19.2	36.0	36.0	36.0	36.0	36.0	36.0
				202	15.00	16.6	36.0	36.0	36.0	36.0	36.0	36.0
				314	19.00	17.4	36.0	36.0	36.0	36.0	36.0	36.0
				Mean =	17.67	17.7	36.0	36.0	36.0	36.0	36.0	36.0
2	ARSENAL POWERLINE 30 DAP	2 AS	0.0 oz/a	102	18.00	17.6	36.0	36.0	36.0	36.0	36.0	36.0
				211	18.00	16.6	36.0	36.0	36.0	36.0	36.0	36.0
				303	16.00	15.8	36.0	36.0	36.0	36.0	36.0	36.0
				Mean =	17.33	16.7	36.0	36.0	36.0	36.0	36.0	36.0
3	ARSENAL POWERLINE 61 DAP	2 AS	0.0 oz/a	103	17.00	16.5	36.0	36.0	36.0	36.0	36.0	36.0
				214	19.00	18.1	36.0	36.0	36.0	36.0	36.0	36.0
				312	17.00	17.9	36.0	36.0	36.0	36.0	36.0	36.0
				Mean =	17.67	17.5	36.0	36.0	36.0	36.0	36.0	36.0
4	ARSENAL POWERLINE PRE	2 AS	0.24 oz/a	104	17.00	16.7	36.0	36.0	36.0	36.0	36.0	36.0
				206	17.00	16.6	36.0	36.0	36.0	36.0	36.0	36.0
				305	17.00	16.0	36.0	36.0	36.0	36.0	36.0	36.0
				Mean =	17.00	16.4	36.0	36.0	36.0	36.0	36.0	36.0
5	ARSENAL POWERLINE 30 DAP	2 AS	0.24 oz/a	105	16.00	16.8	36.0	36.0	36.0	36.0	36.0	36.0
				204	16.00	17.3	36.0	36.0	36.0	36.0	36.0	36.0
				301	17.00	15.8	36.0	36.0	36.0	36.0	36.0	36.0
				Mean =	16.33	16.6	36.0	36.0	36.0	36.0	36.0	36.0
6	ARSENAL POWERLINE 61 DAP	2 AS	0.24 oz/a	106	15.00	15.2	36.0	36.0	36.0	36.0	36.0	36.0
				203	17.00	15.8	36.0	36.0	36.0	36.0	36.0	36.0
				309	14.50	15.7	36.0	36.0	36.0	36.0	36.0	36.0
				Mean =	15.50	15.6	36.0	36.0	36.0	36.0	36.0	36.0
7	ARSENAL POWERLINE PRE	2 AS	2.4 oz/a	107	8.50	9.1	17.0	23.0	19.0	19.0	21.0	
				209	15.00	14.9	36.0	36.0	36.0	36.0	36.0	36.0
				315	4.00	4.9	20.0	19.0	18.0	22.0	20.0	
				Mean =	9.17	9.6	24.3	26.0	24.3	25.7	25.7	
8	ARSENAL POWERLINE 30 DAP	2 AS	2.4 oz/a	108	14.00	14.4	36.0	36.0	36.0	36.0	36.0	36.0
				215	18.00	14.7	36.0	36.0	36.0	36.0	36.0	36.0
				307	14.00	15.4	36.0	36.0	36.0	36.0	36.0	36.0
				Mean =	15.33	14.8	36.0	36.0	36.0	36.0	36.0	36.0
9	ARSENAL POWERLINE 61 DAP	2 AS	2.4 oz/a	109	11.00	13.2	36.0	36.0	36.0	36.0	36.0	36.0
				205	15.00	14.3	36.0	36.0	36.0	36.0	36.0	36.0
				304	13.00	13.4	36.0	36.0	36.0	36.0	36.0	36.0
				Mean =	13.00	13.6	36.0	36.0	36.0	36.0	36.0	36.0
10	ARSENAL POWERLINE PRE	2 AS	4.8 oz/a	110	5.50	6.3	22.0	16.0	14.0	14.0	15.0	
				213	4.00	5.2	12.0	14.0	14.0	12.0	12.0	
				311	8.00	4.8	16.0	16.0	18.0	14.0	15.0	
				Mean =	5.83	5.4	16.7	15.3	15.3	13.3	14.0	
11	ARSENAL POWERLINE 30 DAP	2 AS	4.8 oz/a	111	12.00	12.2	36.0	24.0	36.0	23.0	36.0	
				201	15.00	14.6	36.0	36.0	36.0	36.0	36.0	
				313	15.00	16.4	36.0	36.0	36.0	36.0	36.0	
				Mean =	14.00	14.4	36.0	32.0	36.0	31.7	36.0	
12	ARSENAL POWERLINE 61 DAP	2 AS	4.8 oz/a	112	11.00	11.4	36.0	36.0	36.0	36.0	36.0	
				207	12.00	11.4	36.0	6.0	36.0	36.0	36.0	
				310	9.00	11.4	36.0	36.0	36.0	36.0	36.0	
				Mean =	10.67	11.4	36.0	26.0	36.0	36.0	36.0	
13	ARSENAL POWERLINE PRE	2 AS	24 oz/a	113	3.00	2.6	12.0	13.0	12.0	11.0	11.0	
				208	3.00	3.2	12.0	12.0	12.0	12.0	12.0	
				306	1.00	2.0	12.0	12.0	11.0	11.0	11.0	
				Mean =	2.33	2.6	12.0	12.3	11.7	11.3	11.3	

University of Georgia

PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR)

YEAR 3

Trial ID: PE-09-22 Study Dir.: CHAD ABBOTT
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code											
Crop Code											
Part Rated											
Rating Data Type											
Rating Unit											
Rating Date											
					Arahy Plant, - Ht5 In	Arahy Plant, - HGT-AVG In	Arahy Plant, - Wt1 In	Arahy Plant, - Wt2 In	Arahy Plant, - Wt3 In	Arahy Plant, - Wt4 In	Arahy Plant, - Wt5 In
					Aug-4-22	Aug-4-22	Aug-4-22	Aug-4-22	Aug-4-22	Aug-4-22	Aug-4-22
Trt Treatment	Form Form	Rate									
No. Name	Conc Type	Rate Unit	Plot		39	40	41	42	43	44	45
14 ARSENAL POWERLINE 30 DAP	2 AS	24 oz/a	114		5.50	6.6	16.0	17.0	16.0	17.0	17.0
			210		5.00	5.2	15.0	16.0	16.0	17.0	21.0
			308		7.00	8.8	18.0	20.0	18.0	23.0	23.0
			Mean =		5.83	6.9	16.3	17.7	16.7	19.0	20.3
15 ARSENAL POWERLINE 61 DAP	2 AS	24 oz/a	115		9.00	8.3	36.0	36.0	36.0	36.0	36.0
			212		7.50	7.9	36.0	36.0	36.0	36.0	36.0
			302		7.00	7.2	22.0	17.0	23.0	25.0	24.0
			Mean =		7.83	7.8	31.3	29.7	31.7	32.3	32.0

University of Georgia

PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR)									
YEAR 3									
Trial ID:		PE-09-22		Study Dir.:		CHAD ABBOTT			
Location:		PONDER FARM		Investigator:		Eric P. Prostko			
Weed Code					Arahy Plant, - WT-AVG In Aug-4-22	ARAHY YIELD, - DIRTY LBS/PLOT Sep-23-22	ARAHY YIELD, - DIRTY LBS/PLOT Sep-23-22	ARAHY YIELD, - YIELD LBS/A Sep-23-22	
Crop Code									
Part Rated									
Rating Data Type									
Rating Unit									
Rating Date									
Trt	Treatment	Form	Form	Rate					
No.	Name	Conc	Type	Rate Unit Plot	46	47	48	49	
1	ARSENAL POWERLINE PRE	2	AS	0.0 oz/a 101	36.0	21.9	21.5	6149.5	
				202	36.0	20.1	19.7	5644.0	
				314	36.0	19.1	18.7	5363.2	
				Mean =	36.0	20.4	20.0	5718.9	
2	ARSENAL POWERLINE 30 DAP	2	AS	0.0 oz/a 102	36.0	23.2	22.7	6514.5	
				211	36.0	.	.	.	
				303	36.0	14.0	13.7	3931.2	
				Mean =	36.0	18.6	18.2	5222.8	
3	ARSENAL POWERLINE 61 DAP	2	AS	0.0 oz/a 103	36.0	19.5	19.1	5475.6	
				214	36.0	21.8	21.4	6121.4	
				312	36.0	20.6	20.2	5784.4	
				Mean =	36.0	20.6	20.2	5793.8	
4	ARSENAL POWERLINE PRE	2	AS	0.24 oz/a 104	36.0	18.8	18.4	5279.0	
				206	36.0	20.6	20.2	5784.4	
				305	36.0	19.9	19.5	5587.9	
				Mean =	36.0	19.8	19.4	5550.4	
5	ARSENAL POWERLINE 30 DAP	2	AS	0.24 oz/a 105	36.0	19.9	19.5	5587.9	
				204	36.0	20.3	19.9	5700.2	
				301	36.0	16.2	15.9	4548.9	
				Mean =	36.0	18.8	18.4	5279.0	
6	ARSENAL POWERLINE 61 DAP	2	AS	0.24 oz/a 106	36.0	18.5	18.1	5194.8	
				203	36.0	18.7	18.3	5250.9	
				309	36.0	20.5	20.1	5756.3	
				Mean =	36.0	19.2	18.8	5400.7	
7	ARSENAL POWERLINE PRE	2	AS	2.4 oz/a 107	19.8	8.7	8.5	2442.9	
				209	36.0	17.7	17.3	4970.1	
				315	19.8	4.3	4.2	1207.4	
				Mean =	25.2	10.2	10.0	2873.5	
8	ARSENAL POWERLINE 30 DAP	2	AS	2.4 oz/a 108	36.0	17.3	17.0	4857.8	
				215	36.0	15.7	15.4	4408.5	
				307	36.0	20.3	19.9	5700.2	
				Mean =	36.0	17.8	17.4	4988.8	
9	ARSENAL POWERLINE 61 DAP	2	AS	2.4 oz/a 109	36.0	20.6	20.2	5784.4	
				205	36.0	19.1	18.7	5363.2	
				304	36.0	17.1	16.8	4801.6	
				Mean =	36.0	18.9	18.6	5316.4	
10	ARSENAL POWERLINE PRE	2	AS	4.8 oz/a 110	16.2	4.3	4.2	1207.4	
				213	12.8	2.1	2.1	589.7	
				311	15.8	6.0	5.9	1684.8	
				Mean =	14.9	4.1	4.1	1160.6	
11	ARSENAL POWERLINE 30 DAP	2	AS	4.8 oz/a 111	31.0	13.8	13.5	3875.0	
				201	36.0	15.6	15.3	4380.4	
				313	36.0	13.1	12.8	3678.4	
				Mean =	34.3	14.2	13.9	3978.0	
12	ARSENAL POWERLINE 61 DAP	2	AS	4.8 oz/a 112	36.0	20.3	19.9	5700.2	
				207	30.0	16.5	16.2	4633.2	
				310	36.0	16.2	15.9	4548.9	
				Mean =	34.0	17.7	17.3	4960.8	
13	ARSENAL POWERLINE PRE	2	AS	24 oz/a 113	11.8	0.6	0.6	168.5	
				208	12.0	1.8	1.8	505.4	
				306	11.4	1.4	1.4	393.1	
				Mean =	11.7	1.3	1.2	355.7	

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PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR)

YEAR 3

Trial ID: PE-09-22 Study Dir.: CHAD ABBOTT
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date					Arahy Plant, - WT-AVG In Aug-4-22	ARAHY YIELD, - DIRTY LBS/PLOT Sep-23-22	ARAHY YIELD, - DIRTY LBS/PLOT Sep-23-22	ARAHY YIELD, - YIELD LBS/A Sep-23-22
Trt	Treatment	Form	Form	Rate				
No.	Name	Conc	Type	Rate Unit Plot	46	47	48	49
14	ARSENAL POWERLINE 30 DAP	2	AS	24 oz/a 114	16.6	5.3	5.2	1488.2
				210	17.0	3.8	3.7	1067.0
				308	20.4	8.5	8.3	2386.8
				Mean =	18.0	5.9	5.7	1647.3
15	ARSENAL POWERLINE 61 DAP	2	AS	24 oz/a 115	36.0	13.5	13.2	3790.8
				212	36.0	9.6	9.4	2695.7
				302	22.2	11.0	10.8	3088.8
				Mean =	31.4	11.4	11.1	3191.7

University of Georgia

PEANUT RESPONSE TO ARSENAL POWERLINE 2AS (IMAZAPYR)

YEAR 3

Trial ID: PE-09-22 Study Dir.: CHAD ABBOTT
Location: PONDER FARM Investigator: Eric P. Prostko

Part Rated

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

Leaf = LEAF / FOLIAGE

PRM Data Type $T3 = ([C10] + [C11] + [C12] + [C13] + [C14]) / 5$ $T4 = ([C16] + [C17] + [C18] + [C19] + [C20]) / 5$ $T5 = ([C23] + [C24] + [C25] + [C26] + [C27]) / 5$ $T6 = ([C29] + [C30] + [C31] + [C32] + [C33]) / 5$ $T7 = ([35] + [36] + [37] + [38] + [39]) / 5$ $T8 = ([41] + [42] + [43] + [44] + [45]) / 5$ $T1 = [C47] * 0.98$ $TY2 = 286.528 * [C48]$