

University of Georgia

PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)

Trial ID: PE-10-20 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 4 Plots: 6 by 25 feet
Appl. Amount: 15 GAL/AC Mix Size: 1.5 L (total for 4 plots; minimum=0.782 L)

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Appl Unit	Code	Amt Product to Measure	Diluent	Rep 1	2	3	4
1	ARSENAL POWERLINE PRE	2	AS	0.0	oz/a	A		-	101	210	308	411
2	ARSENAL POWERLINE 28 DAP	2	AS	0.0	oz/a	B		-	102	207	312	403
3	ARSENAL POWERLINE 56 DAP	2	AS	0.0	oz/a	C		-	103	202	304	401
4	ARSENAL POWERLINE PRE	2	AS	0.24	oz/a	A	0.1875 mL/mx	1499.8 mL	104	208	311	405
5	ARSENAL POWERLINE 28 DAP	2	AS	0.24	oz/a	B	0.1875 mL/mx	1499.8 mL	105	203	302	410
6	ARSENAL POWERLINE 56 DAP	2	AS	0.24	oz/a	C	0.1875 mL/mx	1499.8 mL	106	204	305	409
7	ARSENAL POWERLINE PRE	2	AS	2.4	oz/a	A	1.875 mL/mx	1498.1 mL	107	205	306	408
8	ARSENAL POWERLINE 28 DAP	2	AS	2.4	oz/a	B	1.875 mL/mx	1498.1 mL	108	206	303	407
9	ARSENAL POWERLINE 56 DAP	2	AS	2.4	oz/a	C	1.875 mL/mx	1498.1 mL	109	211	307	402
10	ARSENAL POWERLINE PRE	2	AS	24	oz/a	A	18.75 mL/mx	1481.3 mL	110	212	301	406
11	ARSENAL POWERLINE 28 DAP	2	AS	24	oz/a	B	18.75 mL/mx	1481.3 mL	111	209	310	404
12	ARSENAL POWERLINE 56 DAP	2	AS	24	oz/a	C	18.75 mL/mx	1481.3 mL	112	201	309	412

Sort Order: Treatment

Trial Comments

MAINTAINED WEED-FREE

STRONGARM @ 0.45 OZ/A + VALOR @ 3 OZ/A + PROWL H20 @ 32 OZ/A - APRIL 28
SELECT MAX @ 16 OZ/A + NIS - JUNE 1
SELECT MAX @ 10 OZ/A + NIS - JUNE 18
WARRANT @ 3 PTS/A - JULY 1
SELECT MAX @ 12 OZ/A + NIS - JULY 13

PLOTS 101, 201, 301, 401 THIMET PROBLEMS?

DIGGING DATE: SEPTEMBER 21
HARVEST DATE: OCTOBER 1
HARVEST MOISTURE:12.1%
YIELDS ADJUSTED TO 10%
2% YIELD DEDUCTION FOR FM (ROCKS, STEMS. LEAVES, ETC.)

SUMMARY:

- 1) PRE APPLICATIONS OF IMAZAPYR @ 24 OZ/A RESULTED IN SIGNIFICANT PEANUT STAND LOSS.
- 2) ALL PRE APPLICATIONS OF IMAZAPYR CAUSED SIGNIFICANT PEANUT STUNTING WITH A RATE RESPONSE.
- 3) 28 DAP APPLICATIONS OF IMAZAPYR @ 2.4 OZ/A AND 24 OZ/A CAUSED PEANUT CHLOROSIS.
- 4) ON JULY 2 (66 DAP), ALL RATES AND TIMINGS OF IMAZAPYR CAUSED PLANT HEIGHT AND WIDTH REDUCTIONS.
- 5) ON JULY 27 (91 DAP), PEANUT PLANT HEIGHTS WERE SIGNIFICANTLY REDUCED BY THE 2.4 OZ/A AND 24 OZ/A RATES OF IMAZAPYR WITH APPLICATIONS AT PRE AND 28 DAP CAUSING GREATER REDUCTIONS.

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6) ON JULY 27 (91 DAP), PEANUT PLANT WIDTHS WERE REDUCED BY THE FOLLOWING TREATMENTS: 2.4 OZ/A APPLIED 28 DAP AND ALL TIMINGS OF 24 OZ/A.

7) ON AUGUST 17 (112 DAP), ALL RATES OF IMAZAPYR CAUSED SIGNIFICANT HEIGHT REDUCTIONS WITH NO TIMING EFFECTS.

8) ON AUGUST 17 (112 DAP), PEANUT PLANT WIDTHS WERE ONLY REDUCED BY THE 24 OZ/A RATE OF IMAZAPYR APPLIED ANYTIME.

9) FOR PEANUT YIELD LOSS (%), THERE WAS A SIGNIFICANT INTERACTION BETWEEN TIME OF APPLICATION AND IMAZAPYR RATE ($P=0.0134$). 0.24 OZ/A OF IMAZAPYR, AT ANY TIMING DID NOT REDUCE PEANUT YIELD. FOR ALL TIMINGS, THE 2.4 OZ/A AND 24 OZ/A RATE OF IMAZAPYR CAUSED SIGNIFICANT YIELD LOSSES AS FOLLOWS:

PRE - 2.4 - 9.5% YIELD LOSS

PRE - 24 - 84.9% YIELD LOSS

28 DAP - 2.4 - 28.7% YIELD LOSS

28 DAP - 24 - 91.6% YIELD LOSS

56 DAP - 2.4 - 11.4% YIELD LOSS

56 DAP - 24 - 78.9% YIELD LOSS

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GENERAL TRIAL INFORMATION

Study Director: _____ 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-27-20
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: 4

Site Type:

Tillage Type: CONVENTIONAL Study Design: FACTOR

Trial Initiation Comments: 1 TON/A LIME PREPLANT; 300 LBS/A 5-15-30; RANCONA
SEED TRT; 36"-9" TWIN ROWS; 1000 LBS/A GYPSUM

Previous: Crops Pesticides Year
1. COTTON 2019 _____

MAINTENANCE

Field Prep./Maintenance:

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

SOIL DESCRIPTION

Texture: SAND % OM: 0.65 % Sand: 92 % Silt: 4 % Clay: 4
pH: 6.0 CEC: 2.5 Soil Name: TIFTON Fertility Level: GOOD

MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. Apr-30-20	_____	0.9	IN	RAINFALL	_____	_____
2. May-5-20	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
3. May-7-20	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
4. May-13-20	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
5. May-14-20	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
6. May-17-20	_____	0.11	IN	RAINFALL	_____	_____
7. May-20-20	_____	1.3	IN	RAINFALL	_____	_____
8. May-22-20	_____	1.2	IN	RAINFALL	_____	_____
9. May-26-20	_____	0.26	IN	RAINFALL	_____	_____
10. May-28-20	_____	0.41	IN	RAINFALL	_____	_____
11. May-29-20	_____	0.19	IN	RAINFALL	_____	_____
12. Jun-6-20	_____	0.07	IN	RAINFALL	_____	_____
13. Jun-7-20	_____	0.59	IN	RAINFALL	_____	_____
14. Jun-9-20	_____	0.15	IN	RAINFALL	_____	_____
15. Jun-12-20	_____	2.67	IN	RAINFALL	_____	_____
16. Jun-22-20	_____	0.61	IN	RAINFALL	_____	_____
17. Jun-24-20	_____	0.65	IN	SPRINKLER - LATERAL MOVE	_____	_____
18. Jun-29-20	_____	0.65	IN	SPRINKLER - LATERAL MOVE	_____	_____
19. Jul-5-20	_____	0.5	IN	RAINFALL	_____	_____
20. Jul-6-20	_____	0.5	IN	RAINFALL	_____	_____

Overall Moisture Conditions:

Closest Weather Station: _____ Distance: _____ Unit: _____

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APPLICATION DESCRIPTION						
	A	B	C	D	E	F
Application Date:	Apr-28-20	May-25-20	Jun-22-20			
Time of Day:	7:30 AM	7:30 AM	6:45 AM			
Application Method:	BROADCAST	BROADCAST	BROADCAST			
Application Timing:	PRE	28 DAP	56 DAP			
Applic. Placement:	SOIL	FOLIAGE	FOLIAGE			
Air Temp., Unit:	56 F	73 F	71 F			
% Relative Humidity:	86	91	91			
Wind Velocity, Unit:	1 MPH	1 MPH	2 MPH			
Dew Presence (Y/N):	Y	Y	Y			
Water Hardness:	--	--	--			
Soil Temp., Unit:	62 F	75 F	83 F			
Soil Moisture:	OPTIMUM	WET	DRY			
% Cloud Cover:	0	100	0			

	G	H	I	J	K	L
Application Date:						
Time of Day:						
Application Method:						
Application Timing:						
Applic. Placement:						
Air Temp., Unit:						
% Relative Humidity:						
Wind Velocity, Unit:						
Dew Presence (Y/N):						
Water Hardness:						
Soil Temp., Unit:						
Soil Moisture:						
% Cloud Cover:						

	M	N	O	P	Q	R
Application Date:						
Time of Day:						
Application Method:						
Application Timing:						
Applic. Placement:						
Air Temp., Unit:						
% Relative Humidity:						
Wind Velocity, Unit:						
Dew Presence (Y/N):						
Water Hardness:						
Soil Temp., Unit:						
Soil Moisture:						
% Cloud Cover:						

CROP STAGE AT EACH APPLICATION						
	A	B	C	D	E	F
Crop 1 Stage:	ARAHY	3"T;4"W	TWINS LAP			
Stage Scale:		V4-V5	R3			
Height, Unit:			6 IN			

	G	H	I	J	K	L
Crop 1 Stage:						
Stage Scale:						
Height, Unit:						

	M	N	O	P	Q	R
Crop 1 Stage:						
Stage Scale:						
Height, Unit:						

WEED STAGE AT EACH APPLICATION						
	A	B	C	D	E	F
Weed 1 Stage:						
Stage Scale:						
Density, Unit:						

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PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)

Trial ID: PE-10-20 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

		G	H	I	J	K	L
Weed 1	Stage:						
	Stage Scale:						
	Density, Unit:						
		M	N	O	P	Q	R
Weed 1	Stage:						
	Stage Scale:						
	Density, Unit:						

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PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)

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 Location: PONDER FARM Investigator: Eric P. Prostko

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK SAME			SAME			
Operating Pressure:	42						
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):	-	-		-	-	-	-
		G	H	I	J	K	L
Appl. Equipment:							
Operating Pressure:							
Nozzle Type:							
Nozzle Size:							
Nozzle Spacing, Unit:							
Nozzles/Row:							
Band Width, Unit:							
Boom Length, Unit:							
Boom Height, Unit:							
Ground Speed, Unit:							
Incorporation Equip.:							
Hours to Incorp.:							
Incorp. Depth, Unit:							
Carrier:							
Spray Volume, Unit:							
Spray pH:							
Propellant:							
Tank Mix (Y/N):	-	-		-	-	-	-
		M	N	O	P	Q	R
Appl. Equipment:							
Operating Pressure:							
Nozzle Type:							
Nozzle Size:							
Nozzle Spacing, Unit:							
Nozzles/Row:							
Band Width, Unit:							
Boom Length, Unit:							
Boom Height, Unit:							
Ground Speed, Unit:							
Incorporation Equip.:							
Hours to Incorp.:							
Incorp. Depth, Unit:							
Carrier:							
Spray Volume, Unit:							
Spray pH:							
Propellant:							
Tank Mix (Y/N):	-	-		-	-	-	-
Trt No	Treatment Application Comment						

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Location: PONDER FARM		Investigator: Eric P. Prostko					
Weed Code	-----	-----	---	---	---	---	---
Crop Code	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy
Part Rated	Plant -	Plant -	Plant -	Plant -	Plant -	Plant -	Plant -
Rating Data Type	Stand	Stand	Stand	Stunting	Stunting	Stunting	Chlorosi
Rating Unit	#/5 ft	#/5 ft	#/ 5ft	Percent	Percent	Percent	Percent
Rating Date	May-6-20	May-11-20	May-14-20	May-14-20	May-28-20	May-28-20	May-28-20
PRM Data Type							
# Subsamples, Dec.							
Trt Treatment	Form	Form	Rate	Appl			
No. Name	Conc	Type	Rate	Unit	Code		
TABLE OF R MEANS	1	2	3	4	5	6	
Replicate 1	2.3	15.9	19.3	7.1	7.1	5.8	
Replicate 2	3.3	16.9	18.6	7.5	6.7	9.2	
Replicate 3	3.7	18.0	19.8	7.1	7.9	8.3	
Replicate 4	3.2	15.3	17.8	7.1	7.5	8.3	
TABLE OF A (RATE) MEANS							
1 ARSENAL POWERLINE 2 AS 0.0 oz/a	3.6 a	17.8 a	18.7 a	0.0 c	0.0 c	0.0 b	
2 ARSENAL POWERLINE 2 AS 0.24 oz/a	3.8 a	17.6 a	19.8 a	0.8 c	2.1 c	0.8 b	
3 ARSENAL POWERLINE 2 AS 2.4 oz/a	2.8 ab	15.0 a	18.0 a	4.2 b	4.6 b	14.2 a	
4 ARSENAL POWERLINE 2 AS 24 oz/a	2.3 b	15.7 a	18.8 a	23.8 a	22.5 a	16.7 a	
LSD P=.10	1.05	2.50	1.33	2.11	2.19	3.30	
Standard Deviation	1.40	3.34	1.77	2.82	2.93	4.41	
CV	44.73	20.25	9.42	39.18	40.14	55.70	
TABLE OF B (TIME OF APPLICATION) MEANS							
1 PRE A	2.4 a	14.6 b	17.8 a	21.6 a	20.9 a	0.0 b	
2 28 DAP B	3.2 a	17.2 a	19.1 a	0.0 b	0.9 b	23.8 a	
3 56 DAP C	3.8 a	17.8 a	19.6 a	0.0 b	0.0 b	0.0 b	
LSD P=.10	1.49	1.59	2.01	0.50	1.96	3.44	
Standard Deviation	2.16	2.32	2.93	0.72	2.86	5.00	
CV	69.18	14.02	15.56	10.04	39.18	63.16	
TABLE OF A (RATE) B (TIME OF APPLICATION) MEANS							
1 ARSENAL POWERLINE 2 AS 0.0 oz/a	3.3 a	18.8 ab	19.8 abc	0.0 c	0.0 d	0.0 c	
1 PRE A							
2 ARSENAL POWERLINE 2 AS 0.24 oz/a	4.0 a	18.5 ab	20.8 ab	2.5 c	3.8 c	0.0 c	
1 PRE A							
3 ARSENAL POWERLINE 2 AS 2.4 oz/a	2.0 a	11.8 d	16.8 cd	12.5 b	12.5 b	0.0 c	
1 PRE A							
4 ARSENAL POWERLINE 2 AS 24 oz/a	0.3 a	9.3 d	13.8 d	71.3 a	67.5 a	0.0 c	
1 PRE A							
1 ARSENAL POWERLINE 2 AS 0.0 oz/a	3.8 a	17.8 abc	18.8 abc	0.0 c	0.0 d	0.0 c	
2 28 DAP B							
2 ARSENAL POWERLINE 2 AS 0.24 oz/a	3.0 a	18.3 abc	19.3 abc	0.0 c	2.5 cd	2.5 c	
2 28 DAP B							
3 ARSENAL POWERLINE 2 AS 2.4 oz/a	2.0 a	15.5 c	17.3 c	0.0 c	1.3 cd	42.5 b	
2 28 DAP B							
4 ARSENAL POWERLINE 2 AS 24 oz/a	4.0 a	17.3 bc	21.3 a	0.0 c	0.0 d	50.0 a	
2 28 DAP B							
1 ARSENAL POWERLINE 2 AS 0.0 oz/a	3.8 a	17.0 bc	17.5 bc	0.0 c	0.0 d	0.0 c	
3 56 DAP C							
2 ARSENAL POWERLINE 2 AS 0.24 oz/a	4.5 a	16.0 bc	19.5 abc	0.0 c	0.0 d	0.0 c	
3 56 DAP C							
3 ARSENAL POWERLINE 2 AS 2.4 oz/a	4.5 a	17.8 abc	20.0 abc	0.0 c	0.0 d	0.0 c	
3 56 DAP C							
4 ARSENAL POWERLINE 2 AS 24 oz/a	2.5 a	20.5 a	21.5 a	0.0 c	0.0 d	0.0 c	
3 56 DAP C							

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

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

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Trial ID: PE-10-20 Study Dir.: Location: PONDER FARM Investigator: Eric P. Prostko						
Weed Code	-----	-----	---	---	---	---
Crop Code	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy
Part Rated	Plant -	Plant -	Plant -	Plant -	Plant -	Plant -
Rating Data Type	Stand	Stand	Stand	Stunting	Stunting	Chlorosi
Rating Unit	#/5 ft	#/5 ft	#/ 5ft	Percent	Percent	Percent
Rating Date	May-6-20	May-11-20	May-14-20	May-14-20	May-28-20	May-28-20
PRM Data Type						
# Subsamples, Dec.						
Trt Treatment	Form Form	Form Form	Form Form	Form Form	Form Form	Form Form
No. Name	Conc Type Rate Unit Code	Conc Type Rate Unit Code	Conc Type Rate Unit Code	Conc Type Rate Unit Code	Conc Type Rate Unit Code	Conc Type Rate Unit Code
	1	2	3	4	5	6
LSD P=.10	2.02	2.82	3.40	3.45	2.52	5.41
Standard Deviation	1.65	2.30	2.77	2.82	2.06	4.41
CV	52.68	13.94	14.71	39.18	28.19	55.70

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Location: PONDER FARM		Investigator: Eric P. Prostko					
Weed Code		----	----	----	----	----	----
Crop Code		Arahy	Arahy	Arahy	Arahy	Arahy	Arahy
Part Rated		Plant -	Plant -	Plant -	Plant -	Plant -	Plant -
Rating Data Type		Stunting	Chlorosis	Stunting	Chlorosis	Stunting	Chlorosis
Rating Unit		Percent	Percent	Percent	Percent	Percent	Percent
Rating Date		Jun-4-20	Jun-4-20	Jun-15-20	Jun-15-20	Jun-29-20	Jun-29-20
PRM Data Type							
# Subsamples, Dec.							
Trt Treatment	Form Form	Rate Appl					
No. Name	Conc Type Rate Unit Code						
		7	8	9	10	11	12
TABLE OF R MEANS							
Replicate 1		16.3	5.0	22.1	3.8	24.6	9.2
Replicate 2		13.8	6.7	17.9	1.7	22.1	10.8
Replicate 3		14.6	5.4	21.7	3.8	22.9	8.3
Replicate 4		12.5	5.8	20.4	3.3	27.9	7.9
TABLE OF A (RATE) MEANS							
1 ARSENAL POWERLINE	2 AS 0.0 oz/a	0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	0.0 c
2 ARSENAL POWERLINE	2 AS 0.24 oz/a	5.0 c	0.4 c	2.9 c	0.0 c	12.1 c	0.0 c
3 ARSENAL POWERLINE	2 AS 2.4 oz/a	16.3 b	9.2 b	28.8 b	5.0 b	25.0 b	10.8 b
4 ARSENAL POWERLINE	2 AS 24 oz/a	35.8 a	13.3 a	50.4 a	7.5 a	60.4 a	25.4 a
LSD P=.10		5.25	2.45	6.07	2.13	12.28	2.93
Standard Deviation		7.01	3.27	8.11	2.85	16.41	3.92
CV		49.12	57.11	39.53	91.08	67.31	43.21
TABLE OF B (TIME OF APPLICATION) MEANS							
1 PRE	A	27.5 a	3.1 b	31.9 a	4.7 a	35.0 a	4.1 b
2 28 DAP	B	15.3 b	14.1 a	29.7 a	4.7 a	32.2 a	12.2 a
3 56 DAP	C	0.0 c	0.0 c	0.0 b	0.0 b	5.9 b	10.9 a
LSD P=.10		2.27	2.51	2.58	1.37	9.54	3.19
Standard Deviation		3.31	3.66	3.75	2.00	13.89	4.64
CV		23.17	63.82	18.27	63.94	56.98	51.20
TABLE OF A (RATE) B (TIME OF APPLICATION) MEANS							
1 ARSENAL POWERLINE	2 AS 0.0 oz/a	0.0 f	0.0 d	0.0 f	0.0 c	0.0 d	0.0 d
1 PRE	A						
2 ARSENAL POWERLINE	2 AS 0.24 oz/a	10.0 d	1.3 d	6.3 e	0.0 c	28.8 bc	0.0 d
1 PRE	A						
3 ARSENAL POWERLINE	2 AS 2.4 oz/a	25.0 c	2.5 d	40.0 d	7.5 b	28.8 bc	3.8 d
1 PRE	A						
4 ARSENAL POWERLINE	2 AS 24 oz/a	75.0 a	8.8 c	81.3 a	11.3 a	82.5 a	12.5 c
1 PRE	A						
1 ARSENAL POWERLINE	2 AS 0.0 oz/a	0.0 f	0.0 d	0.0 f	0.0 c	0.0 d	0.0 d
2 28 DAP	B						
2 ARSENAL POWERLINE	2 AS 0.24 oz/a	5.0 e	0.0 d	2.5 ef	0.0 c	3.8 d	0.0 d
2 28 DAP	B						
3 ARSENAL POWERLINE	2 AS 2.4 oz/a	23.8 c	25.0 b	46.3 c	7.5 b	42.5 b	2.5 d
2 28 DAP	B						
4 ARSENAL POWERLINE	2 AS 24 oz/a	32.5 b	31.3 a	70.0 b	11.3 a	82.5 a	46.3 a
2 28 DAP	B						
1 ARSENAL POWERLINE	2 AS 0.0 oz/a	0.0 f	0.0 d	0.0 f	0.0 c	0.0 d	0.0 d
3 56 DAP	C						
2 ARSENAL POWERLINE	2 AS 0.24 oz/a	0.0 f	0.0 d	0.0 f	0.0 c	3.8 d	0.0 d
3 56 DAP	C						
3 ARSENAL POWERLINE	2 AS 2.4 oz/a	0.0 f	0.0 d	0.0 f	0.0 c	3.8 d	26.3 b
3 56 DAP	C						
4 ARSENAL POWERLINE	2 AS 24 oz/a	0.0 f	0.0 d	0.0 f	0.0 c	16.3 cd	17.5 c
3 56 DAP	C						

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

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PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)						
Trial ID: PE-10-20 Study Dir.: Location: PONDER FARM Investigator: Eric P. Prostko						
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.	---- Arahy Plant - Stunting Percent Jun-4-20	---- Arahy Plant - Chlrosis Percent Jun-4-20	---- Arahy Plant - Stunting Percent Jun-15-20	---- Arahy Plant - Chlrosis Percent Jun-15-20	---- Arahy Plant - Stunting Percent Jun-29-20	---- Arahy Plant - Chlorosi Percent Jun-29-20
Trt Treatment No. Name	Form Form Conc Type Rate Unit Code	7	8	9	10	11
LSD P=.10		4.98	3.95	5.98	2.15	18.99
Standard Deviation		4.06	3.22	4.88	1.75	15.49
CV		28.46	56.18	23.77	56.04	63.54

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 (IMAZAPYR)								
Trial ID: PE-10-20		Study Dir.: Eric P. Prostko						
Location: PONDER FARM		Investigator: Eric P. Prostko						
Weed Code	----	Arahy	-----	Arahy	-----	Arahy	-----	Arahy
Crop Code		Plant -	Plant -	Plant -	Plant -	Plant -	Plant -	Plant -
Part Rated		Lapping	Ht 1	Ht 2	Ht 3	Ht 4	Ht 5	avg-hgt
Rating Data Type		Percent	Inches	Inches	Inches	Inches	Inches	Inches
Rating Unit		Jun-29-20	Jul-2-20	Jul-2-20	Jul-2-20	Jul-2-20	Jul-2-20	Jul-2-20
Rating Date								
PRM Data Type								T1
# Subsamples, Dec.								- 1
Trt Treatment	Form Form	Rate Appl						
No. Name	Conc Type Rate Unit Code		13	14	15	16	17	18
TABLE OF R MEANS								
Replicate 1								
Replicate 2								
Replicate 3								
Replicate 4								
TABLE OF A (RATE) MEANS								
1 ARSENAL POWERLINE	2 AS	0.0 oz/a	10.8 a	9.54 a	9.58 a	9.17 a	9.25 a	9.38 a
2 ARSENAL POWERLINE	2 AS	0.24 oz/a	5.0 b	8.58 a	8.25 b	8.79 a	8.25 b	8.46 b
3 ARSENAL POWERLINE	2 AS	2.4 oz/a	1.3 bc	6.96 b	6.96 c	7.21 b	7.13 c	6.79 c
4 ARSENAL POWERLINE	2 AS	24 oz/a	0.0 c	4.54 c	4.42 d	4.50 c	4.25 d	4.71 d
LSD P=.10			4.11	0.966	0.743	0.683	0.652	0.630
Standard Deviation			5.49	1.291	0.993	0.913	0.872	0.842
CV			128.57	17.434	13.603	12.308	12.075	11.477
TABLE OF B (TIME OF APPLICATION) MEANS								
1 PRE	A		2.5 a	6.59 c	7.09 a	6.81 b	6.88 b	6.78 b
2 28 DAP	B		4.4 a	7.16 b	6.78 a	7.16 b	6.56 b	6.84 b
3 56 DAP	C		5.9 a	8.47 a	8.03 a	8.28 a	8.22 a	8.38 a
LSD P=.10			5.29	0.552	1.006	0.637	0.473	0.579
Standard Deviation			7.69	0.804	1.465	0.927	0.688	0.843
CV			180.16	10.851	20.061	12.499	9.537	11.491
TABLE OF A (RATE) B (TIME OF APPLICATION) MEANS								
1 ARSENAL POWERLINE	2 AS	0.0 oz/a	8.8 a	8.88 bcd	9.63 a	8.63 ab	9.13 ab	8.50 bc
1 PRE	A							9.0 b
2 ARSENAL POWERLINE	2 AS	0.24 oz/a	1.3 a	7.88 de	8.00 bcd	8.38 abc	7.50 def	7.75 cd
1 PRE	A							7.9 cd
3 ARSENAL POWERLINE	2 AS	2.4 oz/a	0.0 a	6.38 f	7.25 cde	7.00 cd	7.38 ef	6.88 d
1 PRE	A							7.0 ef
4 ARSENAL POWERLINE	2 AS	24 oz/a	0.0 a	3.25 g	3.50 f	3.25 e	3.50 g	4.00 f
1 PRE	A							3.5 g
1 ARSENAL POWERLINE	2 AS	0.0 oz/a	12.5 a	9.63 ab	9.13 ab	9.25 a	8.75 a-d	9.25 b
2 28 DAP	B							9.2 ab
2 ARSENAL POWERLINE	2 AS	0.24 oz/a	5.0 a	9.13 abc	8.38 bc	9.25 a	8.38 b-e	9.25 b
2 28 DAP	B							8.9 b
3 ARSENAL POWERLINE	2 AS	2.4 oz/a	0.0 a	6.38 f	6.75 e	6.88 d	6.38 f	5.63 e
2 28 DAP	B							6.4 f
4 ARSENAL POWERLINE	2 AS	24 oz/a	0.0 a	3.50 g	2.88 f	3.25 e	2.75 g	3.25 f
2 28 DAP	B							3.1 g
1 ARSENAL POWERLINE	2 AS	0.0 oz/a	11.3 a	10.13 a	10.00 a	9.63 a	9.88 a	10.38 a
3 56 DAP	C							10.0 a
2 ARSENAL POWERLINE	2 AS	0.24 oz/a	8.8 a	8.75 bcd	8.38 bc	8.75 ab	8.88 abc	8.38 bc
3 56 DAP	C							8.6 bc
3 ARSENAL POWERLINE	2 AS	2.4 oz/a	3.8 a	8.13 cd	6.88 de	7.75 bcd	7.63 c-f	7.88 c
3 56 DAP	C							7.7 de
4 ARSENAL POWERLINE	2 AS	24 oz/a	0.0 a	6.88 ef	6.88 de	7.00 cd	6.50 f	6.88 d
3 56 DAP	C							6.8 ef

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 (IMAZAPYR)							
Trial ID: PE-10-20		Study Dir.: Eric P. Prostko					
Location: PONDER FARM		Investigator: Eric P. Prostko					
Weed Code	----	-----	-----	-----	-----	-----	-----
Crop Code	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy
Part Rated	Plant -	Plant -	Plant -	Plant -	Plant -	Plant -	Plant -
Rating Data Type	Lapping	Ht 1	Ht 2	Ht 3	Ht 4	Ht 5	avg-hgt
Rating Unit	Percent	Inches	Inches	Inches	Inches	Inches	Inches
Rating Date	Jun-29-20	Jul-2-20	Jul-2-20	Jul-2-20	Jul-2-20	Jul-2-20	Jul-2-20
PRM Data Type							T1
# Subsamples, Dec.							- 1
Trt Treatment	Form Form	Rate Appl					
No. Name	Conc Type Rate Unit Code						
	13	14	15	16	17	18	19
LSD P=.10	5.77	1.158	1.130	1.385	1.276	0.971	0.88
Standard Deviation	4.71	0.944	0.922	1.130	1.041	0.792	0.72
CV	110.23	12.746	12.622	15.231	14.415	10.795	9.82

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 (IMAZAPYR)								
Trial ID: PE-10-20		Study Dir.: Eric P. Prostko						
Location: PONDER FARM		Investigator: Eric P. Prostko						
Weed Code	---	Arahy	---	Arahy	---	Arahy	---	Arahy
Crop Code	Twin -	Twin -	Twin -	Twin -	Twin -	Twin -	Twin -	Plant -
Part Rated	Width1	Width2	Width3	Width4	Width5	avg-wdth	Stunting	Percent
Rating Data Type	In	In	In	In	In	In	Percent	Percent
Rating Unit	Jul-2-20	Jul-2-20	Jul-2-20	Jul-2-20	Jul-2-20	Jul-2-20	Jul-23-20	Jul-23-20
Rating Date								
PRM Data Type								
# Subsamples, Dec.						T2		
						- 1		
Trt Treatment	Form Form	Rate Appl						
No. Name	Conc Type Rate Unit Code		20	21	22	23	24	25
TABLE OF R MEANS								
Replicate 1								
Replicate 2								
Replicate 3								
Replicate 4								
TABLE OF A (RATE) MEANS								
1 ARSENAL POWERLINE	2 AS	0.0 oz/a	28.17 a	27.3 a	27.7 a	28.00 a	26.9 a	27.6 a
2 ARSENAL POWERLINE	2 AS	0.24 oz/a	25.58 b	25.5 a	25.5 b	26.00 a	24.9 b	25.5 b
3 ARSENAL POWERLINE	2 AS	2.4 oz/a	21.33 c	20.7 b	21.4 c	21.83 b	21.8 c	21.4 c
4 ARSENAL POWERLINE	2 AS	24 oz/a	16.54 d	15.8 c	16.3 d	15.71 c	16.2 d	16.1 d
LSD P=.10			2.271	2.24	2.10	2.331	1.96	1.94
Standard Deviation			3.035	2.99	2.81	3.115	2.62	2.59
CV			13.248	13.41	12.37	13.612	11.65	11.43
TABLE OF B (TIME OF APPLICATION) MEANS								
1 PRE	A		21.19 b	21.1 a	21.5 b	21.81 b	21.1 b	21.3 b
2 28 DAP	B		22.16 b	21.8 a	21.8 b	21.59 b	20.9 b	21.7 b
3 56 DAP	C		25.38 a	24.0 a	24.9 a	25.25 a	25.4 a	25.0 a
LSD P=.10			1.909	2.29	1.38	1.909	1.53	1.20
Standard Deviation			2.779	3.33	2.02	2.778	2.22	1.75
CV			12.133	14.93	8.87	12.139	9.90	7.72
TABLE OF A (RATE) B (TIME OF APPLICATION) MEANS								
1 ARSENAL POWERLINE	2 AS	0.0 oz/a	27.75 a	26.8 abc	26.3 a	26.50 bc	25.3 bc	26.5 bc
1 PRE	A							0.0 f
2 ARSENAL POWERLINE	2 AS	0.24 oz/a	22.00 b	24.3 cde	23.8 b	24.00 cd	24.5 c	23.7 d
1 PRE	A							2.5 ef
3 ARSENAL POWERLINE	2 AS	2.4 oz/a	21.25 bc	20.3 fg	23.0 b	23.25 de	21.8 de	21.9 e
1 PRE	A							12.5 d
4 ARSENAL POWERLINE	2 AS	24 oz/a	13.75 d	13.0 h	13.0 d	13.50 g	13.0 f	13.3 g
1 PRE	A							72.5 a
1 ARSENAL POWERLINE	2 AS	0.0 oz/a	28.25 a	28.0 a	28.5 a	28.25 ab	27.3 ab	28.1 ab
2 28 DAP	B							0.0 f
2 ARSENAL POWERLINE	2 AS	0.24 oz/a	28.25 a	27.5 ab	26.5 a	27.25 ab	24.8 bc	26.9 abc
2 28 DAP	B							0.0 f
3 ARSENAL POWERLINE	2 AS	2.4 oz/a	19.25 c	19.3 g	19.3 c	18.50 f	19.3 e	19.1 f
2 28 DAP	B							23.8 c
4 ARSENAL POWERLINE	2 AS	24 oz/a	12.88 d	12.5 h	13.0 d	12.38 g	12.3 f	12.6 g
2 28 DAP	B							78.8 a
1 ARSENAL POWERLINE	2 AS	0.0 oz/a	28.50 a	27.0 abc	28.3 a	29.25 a	28.3 a	28.3 a
3 56 DAP	C							0.0 f
2 ARSENAL POWERLINE	2 AS	0.24 oz/a	26.50 a	24.8 bcd	26.3 a	26.75 ab	25.5 bc	26.0 c
3 56 DAP	C							0.0 f
3 ARSENAL POWERLINE	2 AS	2.4 oz/a	23.50 b	22.5 def	22.0 b	23.75 de	24.5 c	23.3 de
3 56 DAP	C							10.0 de
4 ARSENAL POWERLINE	2 AS	24 oz/a	23.00 b	21.8 efg	23.0 b	21.25 e	23.3 cd	22.5 de
3 56 DAP	C							51.3 b

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 (IMAZAPYR)							
Trial ID: PE-10-20		Study Dir.:					
Location: PONDER FARM		Investigator: Eric P. Prostko					
Weed Code	---	----	-----	-----	-----	-----	----
Crop Code	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy
Part Rated	Twin -	Twin -	Twin -	Twin -	Twin -	Twin -	Plant -
Rating Data Type	Width1	Width2	Width3	Width4	Width5	avg-width	Stunting
Rating Unit	In	In	In	In	In	In	Percent
Rating Date	Jul-2-20	Jul-2-20	Jul-2-20	Jul-2-20	Jul-2-20	Jul-2-20	Jul-23-20
PRM Data Type						T2	
# Subsamples, Dec.						- 1	
Trt Treatment	Form	Form	Rate	Appl			
No. Name	Conc	Type	Rate	Unit	Code		
	20	21	22	23	24	25	26
LSD P=.10	2.699	2.92	2.42	2.556	2.56	1.67	7.70
Standard Deviation	2.201	2.38	1.97	2.085	2.08	1.37	6.28
CV	9.609	10.69	8.68	9.110	9.28	6.03	29.98

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 (IMAZAPYR)							
Trial ID: PE-10-20		Study Dir.: Eric P. Prostko					
Location: PONDER FARM		Investigator: Eric P. Prostko					
Weed Code	----	Arahy	----	Arahy	----	Arahy	----
Crop Code		Leaf -	Plant -	Plant -	Plant -	Plant -	Plant -
Part Rated		Chlorosi	Ht1	Ht2	Ht3	Ht4	Ht5
Rating Data Type		Percent	In	In	In	In	In
Rating Unit		Jul-23-20	Jul-27-20	Jul-27-20	Jul-27-20	Jul-27-20	Jul-27-20
Rating Date							
PRM Data Type							T3
# Subsamples, Dec.							- 1
Trt Treatment	Form Form	Rate Appl					
No. Name	Conc Type Rate Unit Code		27	28	29	30	31
							32
							33
TABLE OF R MEANS							
Replicate 1							
			10.0	9.7	9.4	9.4	9.6
Replicate 2							
			12.9	9.4	8.9	9.4	9.8
Replicate 3							
			12.5	9.2	9.5	10.0	10.3
Replicate 4							
			12.9	9.8	10.3	9.8	10.4
TABLE OF A (RATE) MEANS							
1 ARSENAL POWERLINE	2 AS	0.0 oz/a	0.0 c	12.8 a	12.4 a	12.7 a	12.8 a
2 ARSENAL POWERLINE	2 AS	0.24 oz/a	0.0 c	11.6 b	12.0 a	11.5 b	12.7 a
3 ARSENAL POWERLINE	2 AS	2.4 oz/a	5.8 b	9.3 c	9.3 b	9.9 c	9.9 b
4 ARSENAL POWERLINE	2 AS	24 oz/a	42.5 a	4.5 d	4.4 c	4.6 d	4.6 c
LSD P=.10			3.01	0.84	1.28	0.94	1.11
Standard Deviation			4.03	1.12	1.72	1.26	1.48
CV			33.31	11.80	18.03	13.05	14.84
TABLE OF B (TIME OF APPLICATION) MEANS							
1 PRE	A		8.8 b	9.1 b	9.4 a	9.3 b	9.8 a
2 28 DAP	B		19.7 a	9.4 b	9.4 a	9.3 b	10.2 a
3 56 DAP	C		7.8 b	10.1 a	9.8 a	10.4 a	10.0 a
LSD P=.10			1.43	0.67	0.81	0.48	0.42
Standard Deviation			2.08	0.97	1.18	0.70	0.61
CV			17.24	10.17	12.35	7.26	6.07
TABLE OF A (RATE) B (TIME OF APPLICATION) MEANS							
1 ARSENAL POWERLINE	2 AS	0.0 oz/a	0.0 d	12.3 a	12.0 a	12.5 a	13.0 a
1 PRE	A						12.8 a
2 ARSENAL POWERLINE	2 AS	0.24 oz/a	0.0 d	11.3 a	11.5 a	10.8 a	12.5 a
1 PRE	A						13.0 a
3 ARSENAL POWERLINE	2 AS	2.4 oz/a	0.0 d	9.0 a	9.5 a	9.8 a	9.8 a
1 PRE	A						9.5 a
4 ARSENAL POWERLINE	2 AS	24 oz/a	35.0 b	4.0 a	4.5 a	4.3 a	4.0 a
1 PRE	A						4.3 a
1 ARSENAL POWERLINE	2 AS	0.0 oz/a	0.0 d	13.0 a	12.8 a	12.8 a	13.0 a
2 28 DAP	B						13.5 a
2 ARSENAL POWERLINE	2 AS	0.24 oz/a	0.0 d	11.8 a	12.5 a	11.5 a	13.3 a
2 28 DAP	B						12.5 a
3 ARSENAL POWERLINE	2 AS	2.4 oz/a	1.3 d	9.0 a	8.8 a	9.5 a	10.3 a
2 28 DAP	B						10.3 a
4 ARSENAL POWERLINE	2 AS	24 oz/a	77.5 a	3.8 a	3.5 a	3.5 a	4.3 a
2 28 DAP	B						4.3 a
1 ARSENAL POWERLINE	2 AS	0.0 oz/a	0.0 d	13.0 a	12.5 a	12.8 a	12.5 a
3 56 DAP	C						13.5 a
2 ARSENAL POWERLINE	2 AS	0.24 oz/a	0.0 d	11.8 a	12.0 a	12.3 a	12.3 a
3 56 DAP	C						12.8 a
3 ARSENAL POWERLINE	2 AS	2.4 oz/a	16.3 c	9.8 a	9.5 a	10.5 a	9.8 a
3 56 DAP	C						9.8 a
4 ARSENAL POWERLINE	2 AS	24 oz/a	15.0 c	5.8 a	5.3 a	6.0 a	5.5 a
3 56 DAP	C						6.0 a

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

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

University of Georgia

PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)							
Trial ID: PE-10-20		Study Dir.:					
Location: PONDER FARM		Investigator: Eric P. Prostko					
Weed Code	----	----	----	----	----	----	----
Crop Code	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy
Part Rated	Leaf -	Plant -	Plant -	Plant -	Plant -	Plant -	Plant -
Rating Data Type	Chlorosi	Ht1	Ht2	Ht3	Ht4	Ht5	HGT-AVG
Rating Unit	Percent	In	In	In	In	In	In
Rating Date	Jul-23-20	Jul-27-20	Jul-27-20	Jul-27-20	Jul-27-20	Jul-27-20	Jul-27-20
PRM Data Type							T3
# Subsamples, Dec.							- 1
Trt Treatment	Form Form	Rate Appl					
No. Name	Conc Type Rate Unit Code						
	27	28	29	30	31	32	33
LSD P=.10	2.41	1.33	1.77	1.50	1.47	1.30	1.01
Standard Deviation	1.97	1.09	1.44	1.23	1.20	1.06	0.83
CV	16.30	11.40	15.17	12.68	11.97	10.41	8.44

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 (IMAZAPYR)						
Trial ID: PE-10-20 Study Dir.: Location: PONDER FARM Investigator: Eric P. Prostko						
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date	----- Arahy Plant - Width1 In Jul-27-20	----- Arahy Plant - Wdth2 In Jul-27-20	----- Arahy Plant - Width3 In Jul-27-20	----- Arahy Plant - Width4 In Jul-27-20	----- Arahy Plant - Width5 In Jul-27-20	----- Arahy Plant - WDT-AVG In Jul-27-20
PRM Data Type						T4
# Subsamples, Dec.						- 1
Trt Treatment	Form	Form	Rate	Appl		
No. Name	Conc	Type	Rate	Unit	Code	
	34	35	36	37	38	39
TABLE OF R MEANS						
Replicate 1	30.2	28.8	30.8	29.1	30.8	29.9
Replicate 2	30.9	31.5	31.3	31.4	31.3	31.3
Replicate 3	30.3	30.8	30.8	31.3	31.0	30.9
Replicate 4	30.8	31.6	31.4	31.3	31.2	31.3
TABLE OF A (RATE) MEANS						
1 ARSENAL POWERLINE 2 AS 0.0 oz/a	36.0 a	36.0 a	36.0 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	36.0 a	36.0 a	36.0 a
3 ARSENAL POWERLINE 2 AS 2.4 oz/a	33.8 b	32.7 b	35.0 a	33.5 a	34.6 b	33.9 b
4 ARSENAL POWERLINE 2 AS 24 oz/a	16.4 c	18.1 c	17.3 b	17.6 b	17.7 c	17.4 c
LSD P=.10	1.97	2.89	1.94	2.68	1.38	1.75
Standard Deviation	2.63	3.87	2.59	3.58	1.85	2.34
CV	8.61	12.60	8.34	11.64	5.94	7.60
TABLE OF B (TIME OF APPLICATION) MEANS						
1 PRE A	30.0 a	30.8 a	31.3 a	30.1 b	30.6 b	30.6 b
2 28 DAP B	29.4 a	29.3 b	29.9 a	29.9 b	29.8 c	29.7 b
3 56 DAP C	32.3 a	32.0 a	32.1 a	32.3 a	32.8 a	32.3 a
LSD P=.10	2.27	1.27	1.92	1.18	0.73	1.25
Standard Deviation	3.30	1.85	2.79	1.72	1.06	1.82
CV	10.79	6.04	8.98	5.60	3.40	5.89
TABLE OF A (RATE) B (TIME OF APPLICATION) MEANS						
1 ARSENAL POWERLINE 2 AS 0.0 oz/a A	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a
2 ARSENAL POWERLINE 2 AS 0.24 oz/a A	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a
3 ARSENAL POWERLINE 2 AS 2.4 oz/a A	32.5 a	34.3 ab	36.0 a	34.0 b	36.0 a	34.6 a
4 ARSENAL POWERLINE 2 AS 24 oz/a A	15.5 a	17.0 e	17.0 a	14.3 d	14.5 d	15.7 d
1 ARSENAL POWERLINE 2 AS 0.0 oz/a B	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a
2 ARSENAL POWERLINE 2 AS 0.24 oz/a B	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a
3 ARSENAL POWERLINE 2 AS 2.4 oz/a B	33.0 a	30.5 c	33.0 a	33.3 b	32.8 b	32.5 b
4 ARSENAL POWERLINE 2 AS 24 oz/a B	12.8 a	14.5 f	14.8 a	14.5 d	14.5 d	14.2 d
1 ARSENAL POWERLINE 2 AS 0.0 oz/a C	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a
2 ARSENAL POWERLINE 2 AS 0.24 oz/a C	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a
3 ARSENAL POWERLINE 2 AS 2.4 oz/a C	36.0 a	33.3 b	36.0 a	33.3 b	35.0 a	34.7 a
4 ARSENAL POWERLINE 2 AS 24 oz/a C	21.0 a	22.8 d	20.3 a	24.0 c	24.0 c	22.4 c

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 (IMAZAPYR)						
Trial ID: PE-10-20 Study Dir.: Location: PONDER FARM Investigator: Eric P. Prostko						
Weed Code	-----	-----	-----	-----	-----	-----
Crop Code	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy
Part Rated	Plant -	Plant -	Plant -	Plant -	Plant -	Plant -
Rating Data Type	Width1	Width2	Width3	Width4	Width5	WDT-AVG
Rating Unit	In	In	In	In	In	In
Rating Date	Jul-27-20	Jul-27-20	Jul-27-20	Jul-27-20	Jul-27-20	Jul-27-20
PRM Data Type						T4
# Subsamples, Dec.						- 1
Trt Treatment	Form Form	Rate Appl				
No. Name	Conc Type Rate Unit Code					
	34	35	36	37	38	39
LSD P=.10	3.47	2.24	2.49	1.59	1.94	1.84
Standard Deviation	2.83	1.83	2.03	1.29	1.58	1.50
CV	9.26	5.95	6.53	4.21	5.10	4.87

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 (IMAZAPYR)						
Trial ID: PE-10-20 Study Dir.: Location: PONDER FARM Investigator: Eric P. Prostko						
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date	---- Arahy Ht1 In Aug-17-20	---- Arahy Ht2 In Aug-17-20	---- Arahy Ht3 In Aug-17-20	---- Arahy Ht4 In Aug-17-20	---- Arahy Ht5 In Aug-17-20	---- ARAHY PLANT - AVG-HGT IN Aug-17-20 T5 - 1
PRM Data Type # Subsamples, Dec.						
Trt Treatment No. Name Form Form Conc Type Rate Appl Rate Unit Code	40	41	42	43	44	45
TABLE OF R MEANS						
Replicate 1	12.3	12.33	11.8	12.3	12.42	12.2
Replicate 2	12.8	12.46	12.1	12.7	12.38	12.5
Replicate 3	12.6	12.50	13.1	13.1	12.58	12.8
Replicate 4	12.8	12.50	12.7	13.3	12.75	12.8
TABLE OF A (RATE) MEANS						
1 ARSENAL POWERLINE 2 AS 0.0 oz/a	16.2 a	15.58 a	15.5 a	15.9 a	15.67 a	15.8 a
2 ARSENAL POWERLINE 2 AS 0.24 oz/a	14.8 b	15.25 a	14.7 b	15.5 a	15.33 a	15.1 b
3 ARSENAL POWERLINE 2 AS 2.4 oz/a	13.8 c	13.58 b	14.1 b	14.1 b	13.83 b	13.9 c
4 ARSENAL POWERLINE 2 AS 24 oz/a	5.6 d	5.38 c	5.4 c	5.8 c	5.29 c	5.5 d
LSD P=.10	0.87	1.085	0.76	0.80	0.876	0.55
Standard Deviation	1.16	1.450	1.02	1.07	1.171	0.74
CV	9.23	11.648	8.20	8.35	9.344	5.85
TABLE OF B (TIME OF APPLICATION) MEANS						
1 PRE A	12.8 a	12.25 a	12.3 a	12.6 a	12.09 a	12.4 a
2 28 DAP B	12.5 a	12.94 a	12.4 a	13.1 a	13.00 a	12.8 a
3 56 DAP C	12.6 a	12.16 a	12.6 a	12.8 a	12.50 a	12.5 a
LSD P=.10	0.58	0.957	0.44	0.79	1.054	0.38
Standard Deviation	0.85	1.393	0.65	1.15	1.534	0.55
CV	6.71	11.187	5.20	8.97	12.240	4.38
TABLE OF A (RATE) B (TIME OF APPLICATION) MEANS						
1 ARSENAL POWERLINE 2 AS 0.0 oz/a 1 PRE A	16.3 a	14.75 a	15.5 a	16.0 a	16.00 a	15.7 a
2 ARSENAL POWERLINE 2 AS 0.24 oz/a 1 PRE A	14.5 a	14.50 a	14.0 a	15.5 a	15.25 a	14.8 a
3 ARSENAL POWERLINE 2 AS 2.4 oz/a 1 PRE A	14.3 a	13.75 a	14.0 a	14.3 a	13.00 c	13.9 a
4 ARSENAL POWERLINE 2 AS 24 oz/a 1 PRE A	6.0 a	6.00 a	5.5 a	4.5 a	4.13 e	5.2 a
1 ARSENAL POWERLINE 2 AS 0.0 oz/a 2 28 DAP B	16.5 a	17.00 a	16.0 a	16.0 a	16.00 a	16.3 a
2 ARSENAL POWERLINE 2 AS 0.24 oz/a 2 28 DAP B	15.5 a	16.00 a	15.0 a	16.3 a	16.00 a	15.8 a
3 ARSENAL POWERLINE 2 AS 2.4 oz/a 2 28 DAP B	14.0 a	14.00 a	14.3 a	14.3 a	15.00 a	14.3 a
4 ARSENAL POWERLINE 2 AS 24 oz/a 2 28 DAP B	4.0 a	4.75 a	4.3 a	6.0 a	5.00 e	4.8 a
1 ARSENAL POWERLINE 2 AS 0.0 oz/a 3 56 DAP C	15.8 a	15.00 a	15.0 a	15.8 a	15.00 a	15.3 a
2 ARSENAL POWERLINE 2 AS 0.24 oz/a 3 56 DAP C	14.5 a	15.25 a	15.0 a	14.8 a	14.75 ab	14.9 a
3 ARSENAL POWERLINE 2 AS 2.4 oz/a 3 56 DAP C	13.3 a	13.00 a	14.0 a	13.8 a	13.50 bc	13.5 a
4 ARSENAL POWERLINE 2 AS 24 oz/a 3 56 DAP C	6.8 a	5.38 a	6.5 a	7.0 a	6.75 d	6.5 a

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

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

University of Georgia

PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)						
Trial ID: PE-10-20 Study Dir.: Location: PONDER FARM Investigator: Eric P. Prostko						
Weed Code	----	----	----	----	----	----
Crop Code	Arahy	Arahy	Arahy	Arahy	Arahy	ARAHY
Part Rated						PLANT -
Rating Data Type	Ht1	Ht2	Ht3	Ht4	Ht5	AVG-HGT
Rating Unit	In	In	In	In	In	IN
Rating Date	Aug-17-20	Aug-17-20	Aug-17-20	Aug-17-20	Aug-17-20	Aug-17-20
PRM Data Type						T5
# Subsamples, Dec.						- 1
Trt Treatment	Form Form	Rate Appl				
No. Name	Conc Type Rate Unit Code					
	40	41	42	43	44	45
LSD P=.10	1.71	1.958	2.15	1.42	1.500	1.35
Standard Deviation	1.39	1.597	1.75	1.16	1.223	1.10
CV	11.04	12.829	14.10	9.01	9.760	8.77

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 (IMAZAPYR)						
Trial ID: PE-10-20 Study Dir.: Location: PONDER FARM Investigator: Eric P. Prostko						
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.	---- Arahy Wth1 In Aug-17-20	---- Arahy Wth2 In Aug-17-20	---- Arahy Wth3 In Aug-17-20	--- Arahy Wth4 In Aug-17-20	---- Arahy Wth5 In Aug-17-20	----- ARAHY PLANT - AVG-WDTH IN Aug-17-20 T6 - 1
Trt Treatment No. Name Form Form Conc Type Rate Rate Appl Unit Code Code	46	47	48	49	50	51
TABLE OF R MEANS						
Replicate 1	32.4	32.1	32.8	32.3	31.9	32.3
Replicate 2	31.6	31.8	31.8	31.6	32.0	31.8
Replicate 3	32.2	32.6	32.5	32.8	32.7	32.5
Replicate 4	31.3	31.9	32.8	31.8	32.1	32.0
TABLE OF A (RATE) MEANS						
1 ARSENAL POWERLINE 2 AS 0.0 oz/a	36.0 a	36.0 a	36.0 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	36.0 a	36.0 a	36.0 a
3 ARSENAL POWERLINE 2 AS 2.4 oz/a	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a
4 ARSENAL POWERLINE 2 AS 24 oz/a	19.5 b	20.3 b	21.8 b	20.5 b	20.7 b	20.6 b
LSD P=.10	1.30	0.93	1.12	1.35	0.88	0.89
Standard Deviation	1.74	1.25	1.50	1.80	1.18	1.19
CV	5.46	3.89	4.62	5.61	3.66	3.72
TABLE OF B (TIME OF APPLICATION) MEANS						
1 PRE A	31.1 b	31.4 c	31.8 b	32.3 a	32.2 a	31.7 b
2 28 DAP B	31.9 a	32.1 b	31.9 b	31.6 a	31.4 a	31.8 b
3 56 DAP C	32.6 a	32.8 a	33.7 a	32.6 a	32.9 a	32.9 a
LSD P=.10	0.69	0.66	0.89	1.27	1.12	0.75
Standard Deviation	1.00	0.95	1.30	1.85	1.63	1.09
CV	3.15	2.97	4.00	5.77	5.07	3.39
TABLE OF A (RATE) B (TIME OF APPLICATION) MEANS						
1 ARSENAL POWERLINE 2 AS 0.0 oz/a A	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a
1 PRE A						
2 ARSENAL POWERLINE 2 AS 0.24 oz/a A	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a
1 PRE A						
3 ARSENAL POWERLINE 2 AS 2.4 oz/a A	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a
1 PRE A						
4 ARSENAL POWERLINE 2 AS 24 oz/a A	16.5 d	17.5 d	19.0 c	21.0 a	20.8 c	19.0 c
1 PRE A						
1 ARSENAL POWERLINE 2 AS 0.0 oz/a B	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a
2 28 DAP B						
2 ARSENAL POWERLINE 2 AS 0.24 oz/a B	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a
2 28 DAP B						
3 ARSENAL POWERLINE 2 AS 2.4 oz/a B	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a
2 28 DAP B						
4 ARSENAL POWERLINE 2 AS 24 oz/a B	19.8 c	20.3 c	19.8 c	18.3 a	17.8 d	19.2 c
2 28 DAP B						
1 ARSENAL POWERLINE 2 AS 0.0 oz/a C	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a
3 56 DAP C						
2 ARSENAL POWERLINE 2 AS 0.24 oz/a C	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a
3 56 DAP C						
3 ARSENAL POWERLINE 2 AS 2.4 oz/a C	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a	36.0 a
3 56 DAP C						
4 ARSENAL POWERLINE 2 AS 24 oz/a C	22.3 b	23.3 b	26.8 b	22.3 a	23.5 b	23.6 b
3 56 DAP C						

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 (IMAZAPYR)						
Trial ID: PE-10-20 Study Dir.: Location: PONDER FARM Investigator: Eric P. Prostko						
Weed Code	----	----	----	---	----	-----
Crop Code	Arahy	Arahy	Arahy	Arahy	Arahy	ARAHY
Part Rated						PLANT -
Rating Data Type	Wth1	Wth2	Wth3	Wth4	Wth5	AVG-WDTH
Rating Unit	In	In	In	In	In	IN
Rating Date	Aug-17-20	Aug-17-20	Aug-17-20	Aug-17-20	Aug-17-20	Aug-17-20
PRM Data Type						T6
# Subsamples, Dec.						- 1
Trt Treatment	Form	Form	Rate	Appl		
No. Name	Conc	Type	Rate	Unit	Code	
	46	47	48	49	50	51
LSD P=.10	1.23	1.17	1.59	2.27	2.00	1.34
Standard Deviation	1.00	0.95	1.30	1.85	1.63	1.09
CV	3.15	2.97	4.00	5.77	5.07	3.39

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University of Georgia

PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)							
Trial ID: PE-10-20		Study Dir.: Eric P. Prostko					
Location: PONDER FARM		Investigator: Eric P. Prostko					
Weed Code				-----	-----	-----	-----
Crop Code				ARAHY	ARAHY	ARAHY	ARAHY
Part Rated				DIRTY -	CLEAN -	CLEAN -	YIELD -
Rating Data Type				YIELD	YIELD	YIELD	LOSS
Rating Unit				LBS/PLOT	LBS/PLOT	LBS/A	PERCENT
Rating Date				Oct-1-20	Oct-1-20	Oct-1-20	Oct-1-20
PRM Data Type					T7	TY8	
# Subsamples, Dec.					- 1	- 0	- 1
Trt Treatment	Form	Form	Rate Appl				
No. Name	Conc	Type	Rate Unit Code	52	53	54	55
TABLE OF R MEANS							
Replicate 1				13.97	13.7	3882	27.5
Replicate 2				13.63	13.4	3789	26.7
Replicate 3				13.53	13.3	3759	27.5
Replicate 4				13.57	13.3	3771	23.5
TABLE OF A (RATE) MEANS							
1 ARSENAL POWERLINE	2 AS	0.0 oz/a		18.28 a	17.9 a	5080 a	0.0 c
2 ARSENAL POWERLINE	2 AS	0.24 oz/a		18.42 a	18.0 a	5119 a	3.7 c
3 ARSENAL POWERLINE	2 AS	2.4 oz/a		15.32 b	15.0 b	4257 b	16.5 b
4 ARSENAL POWERLINE	2 AS	24 oz/a		2.68 c	2.6 c	746 c	85.1 a
LSD P=.10				1.204	1.18	334.5	5.36
Standard Deviation				1.608	1.58	447.0	7.16
CV				11.763	11.76	11.8	27.20
TABLE OF B (TIME OF APPLICATION) MEANS							
1 PRE			A	13.87 a	13.6 a	3855 a	24.4 b
2 28 DAP			B	13.24 a	13.0 a	3681 a	31.5 a
3 56 DAP			C	13.91 a	13.6 a	3865 a	23.1 b
LSD P=.10				0.900	0.88	250.1	4.08
Standard Deviation				1.310	1.28	364.1	5.93
CV				9.579	9.58	9.6	22.54
TABLE OF A (RATE) B (TIME OF APPLICATION) MEANS							
1 ARSENAL POWERLINE	2 AS	0.0 oz/a		18.15 ab	17.8 ab	5045 ab	0.0 f
1 PRE			A				
2 ARSENAL POWERLINE	2 AS	0.24 oz/a		17.85 bc	17.5 bc	4961 bc	3.3 ef
1 PRE			A				
3 ARSENAL POWERLINE	2 AS	2.4 oz/a		16.73 cd	16.4 cd	4649 cd	9.5 de
1 PRE			A				
4 ARSENAL POWERLINE	2 AS	24 oz/a		2.75 fg	2.7 fg	764 fg	84.9 b
1 PRE			A				
1 ARSENAL POWERLINE	2 AS	0.0 oz/a		19.13 a	18.7 a	5316 a	0.0 f
2 28 DAP			B				
2 ARSENAL POWERLINE	2 AS	0.24 oz/a		18.63 ab	18.3 ab	5177 ab	5.7 def
2 28 DAP			B				
3 ARSENAL POWERLINE	2 AS	2.4 oz/a		13.58 e	13.3 e	3773 e	28.7 c
2 28 DAP			B				
4 ARSENAL POWERLINE	2 AS	24 oz/a		1.65 g	1.6 g	459 g	91.6 a
2 28 DAP			B				
1 ARSENAL POWERLINE	2 AS	0.0 oz/a		17.55 bc	17.2 bc	4878 bc	0.0 f
3 56 DAP			C				
2 ARSENAL POWERLINE	2 AS	0.24 oz/a		18.78 ab	18.4 ab	5219 ab	2.0 f
3 56 DAP			C				
3 ARSENAL POWERLINE	2 AS	2.4 oz/a		15.65 d	15.3 d	4350 d	11.4 d
3 56 DAP			C				
4 ARSENAL POWERLINE	2 AS	24 oz/a		3.65 f	3.6 f	1015 f	78.9 b
3 56 DAP			C				

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 (IMAZAPYR)

Trial ID: PE-10-20 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code	-----	-----	-----	-----
Crop Code	ARAHY	ARAHY	ARAHY	ARAHY
Part Rated	DIRTY -	CLEAN -	CLEAN -	YIELD -
Rating Data Type	YIELD	YIELD	YIELD	LOSS
Rating Unit	LBS/PLOT	LBS/PLOT	LBS/A	PERCENT
Rating Date	Oct-1-20	Oct-1-20	Oct-1-20	Oct-1-20
PRM Data Type		T7	TY8	
# Subsamples, Dec.		- 1	- 0	- 1
Trt Treatment	Form Form	Rate Appl		
No. Name	Conc Type Rate Unit Code			
	52	53	54	55
LSD P=.10	1.254	1.23	348.5	6.29
Standard Deviation	1.023	1.00	284.2	5.13
CV	7.479	7.48	7.5	19.48

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 (IMAZAPYR)						
Trial ID:	PE-10-20	Study Dir.:				
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
COMPLETE FACTORIAL AOV For ----- Arahya Plant Stand #/5 ft May-6-20 (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	175.250000				
R	3	11.583333	3.861111	1.424	0.2684	
A	3	18.750000	6.250000	3.199	0.0766	1.0
RA	9	17.583333	1.953704			
B	2	16.625000	8.312500	1.779	0.2474	1.5
RB	6	28.041667	4.673611			
AB	6	33.875000	5.645833	2.083	0.1064	2.0
RAB	18	48.791667	2.710648			
COMPLETE FACTORIAL AOV For ----- Arahya Plant Stand #/5 ft May-11-20 (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	713.979167				
R	3	51.895833	17.298611	3.260	0.0457	
A	3	70.729167	23.576389	2.107	0.1695	2.5
RA	9	100.687500	11.187500			
B	2	95.166667	47.583333	8.876	0.0161	1.6
RB	6	32.166667	5.361111			
AB	6	267.833333	44.638889	8.414	0.0002	2.8
RAB	18	95.500000	5.305556			
COMPLETE FACTORIAL AOV For --- Arahya Plant Stand #/ 5ft May-14-20 (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	460.666667				
R	3	27.000000	9.000000	1.172	0.3478	
A	3	20.666667	6.888889	2.188	0.1591	1.3
RA	9	28.333333	3.148148			
B	2	30.166667	15.083333	1.757	0.2508	2.0
RB	6	51.500000	8.583333			
AB	6	164.833333	27.472222	3.579	0.0164	3.4
RAB	18	138.166667	7.675926			
COMPLETE FACTORIAL AOV For --- Arahya Plant Stunting Percent May-14-20 (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	18695.312500				
R	3	1.562500	0.520833	0.066	0.9774	
A	3	4505.729167	1501.909722	189.438	0.0001	2.1
RA	9	71.354167	7.928241			
B	2	4959.375000	2479.687500	4761.000	0.0001	0.5
RB	6	3.125000	0.520833			
AB	6	9011.458333	1501.909722	189.438	0.0001	3.5
RAB	18	142.708333	7.928241			
COMPLETE FACTORIAL AOV For --- Arahya Plant Stunting Percent May-28-20 (Data Column 5)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	16597.916667				
R	3	10.416667	3.472222	0.822	0.4987	
A	3	3827.083333	1275.694444	148.946	0.0001	2.2
RA	9	77.083333	8.564815			
B	2	4476.041667	2238.020833	274.277	0.0001	2.0
RB	6	48.958333	8.159722			
AB	6	8082.291667	1347.048611	318.863	0.0001	2.5
RAB	18	76.041667	4.224537			
COMPLETE FACTORIAL AOV For --- Arahya Plant Chlorosi Percent May-28-20 (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	14991.666667				
R	3	75.000000	25.000000	1.286	0.3095	
A	3	2741.666667	913.888889	47.000	0.0001	3.3
RA	9	175.000000	19.444444			
B	2	6016.666667	3008.333333	120.333	0.0001	3.4
RB	6	150.000000	25.000000			
AB	6	5483.333333	913.888889	47.000	0.0001	5.4
RAB	18	350.000000	19.444444			

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

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

University of Georgia

PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)

Trial ID: PE-10-20 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For ---- Arahya Plant Stunting Percent Jun-4-20 (Data Column 7)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	23099.479167				
R	3	89.062500	29.687500	1.800	0.1833	
A	3	9101.562500	3033.854167	61.749	0.0001	5.2
RA	9	442.187500	49.131944			
B	2	6076.041667	3038.020833	277.762	0.0001	2.3
RB	6	65.625000	10.937500			
AB	6	7028.125000	1171.354167	71.021	0.0001	5.0
RAB	18	296.875000	16.493056			

COMPLETE FACTORIAL AOV For ---- Arahya Plant Chlorosis Percent Jun-4-20 (Data Column 8)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	5549.479167				
R	3	18.229167	6.076389	0.587	0.6316	
A	3	1568.229167	522.743056	48.827	0.0001	2.4
RA	9	96.354167	10.706019			
B	2	1744.791667	872.395833	65.260	0.0001	2.5
RB	6	80.208333	13.368056			
AB	6	1855.208333	309.201389	29.849	0.0001	3.9
RAB	18	186.458333	10.358796			

COMPLETE FACTORIAL AOV For ---- Arahya Plant Stunting Percent Jun-15-20 (Data Column 9)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	42161.979167				
R	3	126.562500	42.187500	1.774	0.1882	
A	3	20309.895833	6769.965278	102.889	0.0001	6.1
RA	9	592.187500	65.798611			
B	2	10144.791667	5072.395833	360.704	0.0001	2.6
RB	6	84.375000	14.062500			
AB	6	10476.041667	1746.006944	73.409	0.0001	6.0
RAB	18	428.125000	23.784722			

COMPLETE FACTORIAL AOV For ---- Arahya Plant Chlorosis Percent Jun-15-20 (Data Column 10)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	1181.250000				
R	3	35.416667	11.805556	3.849	0.0273	
A	3	506.250000	168.750000	20.829	0.0002	2.1
RA	9	72.916667	8.101852			
B	2	234.375000	117.187500	29.348	0.0008	1.4
RB	6	23.958333	3.993056			
AB	6	253.125000	42.187500	13.755	0.0001	2.1
RAB	18	55.208333	3.067130			

COMPLETE FACTORIAL AOV For ---- Arahya Plant Stunting Percent Jun-29-20 (Data Column 11)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	49131.250000				
R	3	239.583333	79.861111	0.333	0.8017	
A	3	24535.416667	8178.472222	30.379	0.0001	12.3
RA	9	2422.916667	269.212963			
B	2	8221.875000	4110.937500	21.313	0.0019	9.5
RB	6	1157.291667	192.881944			
AB	6	8236.458333	1372.743056	5.723	0.0018	19.0
RAB	18	4317.708333	239.872685			

COMPLETE FACTORIAL AOV For ---- Arahya Plant Chlorosis Percent Jun-29-20 (Data Column 12)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	9932.812500				
R	3	59.895833	19.965278	1.182	0.3446	
A	3	5218.229167	1739.409722	113.423	0.0001	2.9
RA	9	138.020833	15.335648			
B	2	612.500000	306.250000	14.226	0.0053	3.2
RB	6	129.166667	21.527778			
AB	6	3470.833333	578.472222	34.233	0.0001	5.0
RAB	18	304.166667	16.898148			

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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 (IMAZAPYR)

Trial ID: PE-10-20 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For ---- Arahya Plant Lapping Percent Jun-29-20 (Data Column 13)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	2399.479167				
R	3	343.229167	114.409722	5.162	0.0095	
A	3	851.562500	283.854167	9.415	0.0039	4.1
RA	9	271.354167	30.150463			
B	2	94.791667	47.395833	0.801	0.4918	5.3
RB	6	355.208333	59.201389			
AB	6	84.375000	14.062500	0.634	0.7013	5.8
RAB	18	398.958333	22.164352			

COMPLETE FACTORIAL AOV For ----- Arahya Plant Ht 1 Inches Jul-2-20 (Data Column 14)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	256.328125				
R	3	1.765625	0.588542	0.660	0.5870	
A	3	172.223958	57.407986	34.433	0.0001	0.97
RA	9	15.005208	1.667245			
B	2	29.625000	14.812500	22.935	0.0015	0.55
RB	6	3.875000	0.645833			
AB	6	17.791667	2.965278	3.327	0.0220	1.16
RAB	18	16.041667	0.891204			

COMPLETE FACTORIAL AOV For ----- Arahya Plant Ht 2 Inches Jul-2-20 (Data Column 15)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	254.369792				
R	3	3.265625	1.088542	1.281	0.3109	
A	3	174.557292	58.185764	58.971	0.0001	0.74
RA	9	8.880208	0.986690			
B	2	13.541667	6.770833	3.155	0.1158	1.01
RB	6	12.875000	2.145833			
AB	6	25.958333	4.326389	5.093	0.0032	1.13
RAB	18	15.291667	0.849537			

COMPLETE FACTORIAL AOV For ----- Arahya Plant Ht 3 Inches Jul-2-20 (Data Column 16)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	243.166667				
R	3	2.625000	0.875000	0.686	0.5724	
A	3	162.041667	54.013889	64.817	0.0001	0.68
RA	9	7.500000	0.833333			
B	2	18.885417	9.442708	10.988	0.0099	0.64
RB	6	5.156250	0.859375			
AB	6	23.989583	3.998264	3.133	0.0278	1.39
RAB	18	22.968750	1.276042			

COMPLETE FACTORIAL AOV For ----- Arahya Plant Ht 4 Inches Jul-2-20 (Data Column 17)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	245.453125				
R	3	6.640625	2.213542	2.044	0.1437	
A	3	168.140625	56.046875	73.762	0.0001	0.65
RA	9	6.838542	0.759838			
B	2	24.781250	12.390625	26.143	0.0011	0.47
RB	6	2.843750	0.473958			
AB	6	16.718750	2.786458	2.573	0.0559	1.28
RAB	18	19.489583	1.082755			

COMPLETE FACTORIAL AOV For ---- Arahya Plant Ht 5 Inches Jul-2-20 (Data Column 18)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	225.166667				
R	3	0.708333	0.236111	0.377	0.7709	
A	3	151.416667	50.472222	71.255	0.0001	0.63
RA	9	6.375000	0.708333			
B	2	26.072917	13.036458	18.359	0.0028	0.58
RB	6	4.260417	0.710069			
AB	6	25.052083	4.175347	6.662	0.0008	0.97
RAB	18	11.281250	0.626736			

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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 (IMAZAPYR)							
Trial ID:	PE-10-20	Study Dir.:					
Location:	PONDER FARM	Investigator:	Eric P. Prostko				
COMPLETE FACTORIAL AOV For ---- Arahya Plant avg-hgt Inches Jul-2-20 T1 1 (Data Column 19)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	224.649792					
R	3	2.027292	0.675764	1.301	0.3046		
A	3	164.580625	54.860208	88.349	0.0001	0.6	
RA	9	5.588542	0.620949				
B	2	21.225417	10.612708	27.275	0.0010	0.4	
RB	6	2.334583	0.389097				
AB	6	19.546250	3.257708	6.273	0.0011	0.9	
RAB	18	9.347083	0.519282				
COMPLETE FACTORIAL AOV For --- Arahya Twin Width1 In Jul-2-20 (Data Column 20)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	1544.828125					
R	3	22.265625	7.421875	1.532	0.2404		
A	3	933.848958	311.282986	33.802	0.0001	2.27	
RA	9	82.880208	9.208912				
B	2	153.781250	76.890625	9.955	0.0124	1.91	
RB	6	46.343750	7.723958				
AB	6	218.510417	36.418403	7.518	0.0004	2.70	
RAB	18	87.197917	4.844329				
COMPLETE FACTORIAL AOV For ---- Arahya Twin Width2 In Jul-2-20 (Data Column 21)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	1495.916667					
R	3	16.416667	5.472222	0.964	0.4313		
A	3	963.750000	321.250000	35.953	0.0001	2.2	
RA	9	80.416667	8.935185				
B	2	74.541667	37.270833	3.365	0.1047	2.3	
RB	6	66.458333	11.076389				
AB	6	192.125000	32.020833	5.639	0.0019	2.9	
RAB	18	102.208333	5.678241				
COMPLETE FACTORIAL AOV For ----- Arahya Twin Width3 In Jul-2-20 (Data Column 22)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	1415.479167					
R	3	26.062500	8.687500	2.230	0.1197		
A	3	896.229167	298.743056	37.769	0.0001	2.1	
RA	9	71.187500	7.909722				
B	2	111.291667	55.645833	13.697	0.0058	1.4	
RB	6	24.375000	4.062500				
AB	6	216.208333	36.034722	9.250	0.0001	2.4	
RAB	18	70.125000	3.895833				
COMPLETE FACTORIAL AOV For ----- Arahya Twin Width4 In Jul-2-20 (Data Column 23)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	1590.619792					
R	3	23.057292	7.685764	1.768	0.1892		
A	3	1061.723958	353.907986	36.469	0.0001	2.33	
RA	9	87.338542	9.704282				
B	2	134.572917	67.286458	8.719	0.0168	1.91	
RB	6	46.302083	7.717014				
AB	6	159.385417	26.564236	6.111	0.0012	2.56	
RAB	18	78.239583	4.346644				
COMPLETE FACTORIAL AOV For ----- Arahya Twin Width5 In Jul-2-20 (Data Column 24)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	1357.916667					
R	3	19.583333	6.527778	1.503	0.2476		
A	3	790.750000	263.583333	38.521	0.0001	2.0	
RA	9	61.583333	6.842593				
B	2	204.666667	102.333333	20.697	0.0020	1.5	
RB	6	29.666667	4.944444				
AB	6	173.500000	28.916667	6.659	0.0008	2.6	
RAB	18	78.166667	4.342593				

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University of Georgia

PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)

Trial ID: PE-10-20 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For ----- Arahya Twin avg-width In Jul-2-20 T2 1 (Data Column 25)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	1358.379167				
R	3	14.482500	4.827500	2.587	0.0849	
A	3	924.582500	308.194167	45.978	0.0001	1.9
RA	9	60.327500	6.703056			
B	2	130.051667	65.025833	21.233	0.0019	1.2
RB	6	18.375000	3.062500			
AB	6	176.975000	29.495833	15.808	0.0001	1.7
RAB	18	33.585000	1.865833			

COMPLETE FACTORIAL AOV For ---- Arahya Plant Stunting Percent Jul-23-20 (Data Column 26)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	40082.812500				
R	3	68.229167	22.743056	0.577	0.6375	
A	3	36493.229167	12164.409722	240.780	0.0001	5.3
RA	9	454.687500	50.520833			
B	2	871.875000	435.937500	10.506	0.0110	4.4
RB	6	248.958333	41.493056			
AB	6	1236.458333	206.076389	5.229	0.0028	7.7
RAB	18	709.375000	39.409722			

COMPLETE FACTORIAL AOV For ---- Arahya Leaf Chlorosi Percent Jul-23-20 (Data Column 27)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	24191.666667				
R	3	70.833333	23.611111	6.090	0.0048	
A	3	15075.000000	5025.000000	310.114	0.0001	3.0
RA	9	145.833333	16.203704			
B	2	1394.791667	697.395833	160.680	0.0001	1.4
RB	6	26.041667	4.340278			
AB	6	7409.375000	1234.895833	318.493	0.0001	2.4
RAB	18	69.791667	3.877315			

COMPLETE FACTORIAL AOV For ----- Arahya Plant Ht1 In Jul-27-20 (Data Column 28)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	533.979167				
R	3	3.062500	1.020833	0.866	0.4766	
A	3	479.562500	159.854167	126.710	0.0001	0.8
RA	9	11.354167	1.261574			
B	2	7.541667	3.770833	4.022	0.0780	0.7
RB	6	5.625000	0.937500			
AB	6	5.625000	0.937500	0.796	0.5855	1.3
RAB	18	21.208333	1.178241			

COMPLETE FACTORIAL AOV For ----- Arahya Plant Ht2 In Jul-27-20 (Data Column 29)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	581.979167				
R	3	10.895833	3.631944	1.741	0.1944	
A	3	487.895833	162.631944	55.190	0.0001	1.3
RA	9	26.520833	2.946759			
B	2	2.041667	1.020833	0.739	0.5167	0.8
RB	6	8.291667	1.381944			
AB	6	8.791667	1.465278	0.703	0.6514	1.8
RAB	18	37.541667	2.085648			

COMPLETE FACTORIAL AOV For ----- Arahya Plant Ht3 In Jul-27-20 (Data Column 30)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	526.666667				
R	3	3.166667	1.055556	0.703	0.5627	
A	3	459.166667	153.055556	96.105	0.0001	0.9
RA	9	14.333333	1.592593			
B	2	12.041667	6.020833	12.211	0.0077	0.5
RB	6	2.958333	0.493056			
AB	6	7.958333	1.326389	0.883	0.5271	1.5
RAB	18	27.041667	1.502315			

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PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)

Trial ID: PE-10-20 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For ----- Arahya Plant Ht4 In Jul-27-20 (Data Column 31)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	596.000000				
R	3	5.666667	1.888889	1.318	0.2993	
A	3	533.833333	177.944444	80.748	0.0001	1.1
RA	9	19.833333	2.203704			
B	2	1.125000	0.562500	1.528	0.2908	0.4
RB	6	2.208333	0.368056			
AB	6	7.541667	1.256944	0.877	0.5308	1.5
RAB	18	25.791667	1.432870			

COMPLETE FACTORIAL AOV For ----- Arahya Plant Ht5 In Jul-27-20 (Data Column 32)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	596.666667				
R	3	0.833333	0.277778	0.248	0.8617	
A	3	536.833333	178.944444	87.845	0.0001	1.1
RA	9	18.333333	2.037037			
B	2	3.166667	1.583333	1.036	0.4106	0.8
RB	6	9.166667	1.527778			
AB	6	8.166667	1.361111	1.215	0.3438	1.3
RAB	18	20.166667	1.120370			

COMPLETE FACTORIAL AOV For ----- Arahya Plant HGT-AVG In Jul-27-20 T3 1 (Data Column 33)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	535.090000				
R	3	2.456667	0.818889	1.203	0.3371	
A	3	497.150000	165.716667	117.099	0.0001	0.9
RA	9	12.736667	1.415185			
B	2	3.620000	1.810000	7.794	0.0215	0.3
RB	6	1.393333	0.232222			
AB	6	5.480000	0.913333	1.342	0.2901	1.0
RAB	18	12.253333	0.680741			

COMPLETE FACTORIAL AOV For ----- Arahya Plant Width1 In Jul-27-20 (Data Column 34)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	3685.812500				
R	3	4.895833	1.631944	0.204	0.8925	
A	3	3239.229167	1079.743056	155.847	0.0001	2.0
RA	9	62.354167	6.928241			
B	2	70.875000	35.437500	3.257	0.1102	2.3
RB	6	65.291667	10.881944			
AB	6	98.958333	16.493056	2.059	0.1099	3.5
RAB	18	144.208333	8.011574			

COMPLETE FACTORIAL AOV For ----- Arahya Plant Wdth2 In Jul-27-20 (Data Column 35)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	3078.312500				
R	3	59.062500	19.687500	5.902	0.0055	
A	3	2630.729167	876.909722	58.669	0.0001	2.9
RA	9	134.520833	14.946759			
B	2	60.875000	30.437500	8.855	0.0162	1.3
RB	6	20.625000	3.437500			
AB	6	112.458333	18.743056	5.619	0.0019	2.2
RAB	18	60.041667	3.335648			

COMPLETE FACTORIAL AOV For ----- Arahya Plant Width3 In Jul-27-20 (Data Column 36)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	3303.666667				
R	3	4.166667	1.388889	0.337	0.7986	
A	3	3033.000000	1011.000000	150.397	0.0001	1.9
RA	9	60.500000	6.722222			
B	2	36.791667	18.395833	2.363	0.1750	1.9
RB	6	46.708333	7.784722			
AB	6	48.375000	8.062500	1.958	0.1258	2.5
RAB	18	74.125000	4.118056			

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 (IMAZAPYR)

Trial ID: PE-10-20 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For ----- Arahya Plant Width4 In Jul-27-20 (Data Column 37)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	3290.479167				
R	3	45.729167	15.243056	9.095	0.0007	
A	3	2832.562500	944.187500	73.560	0.0001	2.7
RA	9	115.520833	12.835648			
B	2	57.166667	28.583333	9.617	0.0134	1.2
RB	6	17.833333	2.972222			
AB	6	191.500000	31.916667	19.044	0.0001	1.6
RAB	18	30.166667	1.675926			

COMPLETE FACTORIAL AOV For ----- Arahya Plant Width5 In Jul-27-20 (Data Column 38)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	3234.812500				
R	3	2.229167	0.743056	0.296	0.8275	
A	3	2887.229167	962.409722	282.255	0.0001	1.4
RA	9	30.687500	3.409722			
B	2	73.625000	36.812500	32.925	0.0006	0.7
RB	6	6.708333	1.118056			
AB	6	189.208333	31.534722	12.579	0.0001	1.9
RAB	18	45.125000	2.506944			

COMPLETE FACTORIAL AOV For ----- Arahya Plant WDT-AVG In Jul-27-20 T4 1 (Data Column 39)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	3204.666667				
R	3	14.793333	4.931111	2.189	0.1246	
A	3	2914.833333	971.611111	177.062	0.0001	1.8
RA	9	49.386667	5.487407			
B	2	56.006667	28.003333	8.483	0.0178	1.2
RB	6	19.806667	3.301111			
AB	6	109.286667	18.214444	8.085	0.0002	1.8
RAB	18	40.553333	2.252963			

COMPLETE FACTORIAL AOV For ---- Arahya Ht1 In Aug-17-20 (Data Column 40)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	897.479167				
R	3	2.395833	0.798611	0.412	0.7462	
A	3	821.562500	273.854167	202.231	0.0001	0.9
RA	9	12.187500	1.354167			
B	2	0.541667	0.270833	0.379	0.7001	0.6
RB	6	4.291667	0.715278			
AB	6	21.625000	3.604167	1.860	0.1436	1.7
RAB	18	34.875000	1.937500			

COMPLETE FACTORIAL AOV For ---- Arahya Ht2 In Aug-17-20 (Data Column 41)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	926.619792				
R	3	0.223958	0.074653	0.029	0.9930	
A	3	827.973958	275.991319	131.273	0.0001	1.09
RA	9	18.921875	2.102431			
B	2	5.822917	2.911458	1.501	0.2960	0.96
RB	6	11.635417	1.939236			
AB	6	16.135417	2.689236	1.054	0.4244	1.96
RAB	18	45.906250	2.550347			

COMPLETE FACTORIAL AOV For ---- Arahya Ht3 In Aug-17-20 (Data Column 42)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	889.666667				
R	3	11.500000	3.833333	1.251	0.3209	
A	3	796.166667	265.388889	255.911	0.0001	0.8
RA	9	9.333333	1.037037			
B	2	1.166667	0.583333	1.400	0.3170	0.4
RB	6	2.500000	0.416667			
AB	6	13.833333	2.305556	0.752	0.6158	2.1
RAB	18	55.166667	3.064815			

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 (IMAZAPYR)

Trial ID: PE-10-20 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For ---- ArahY Ht4 In Aug-17-20 (Data Column 43)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	872.666667				
R	3	6.166667	2.055556	1.539	0.2387	
A	3	806.166667	268.722222	234.048	0.0001	0.8
RA	9	10.333333	1.148148			
B	2	2.541667	1.270833	0.958	0.4354	0.8
RB	6	7.958333	1.326389			
AB	6	15.458333	2.576389	1.929	0.1308	1.4
RAB	18	24.041667	1.335648			

COMPLETE FACTORIAL AOV For ---- ArahY Ht5 In Aug-17-20 (Data Column 44)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	944.703125				
R	3	1.057292	0.352431	0.236	0.8704	
A	3	861.473958	287.157986	209.459	0.0001	0.88
RA	9	12.338542	1.370949			
B	2	6.593750	3.296875	1.401	0.3166	1.05
RB	6	14.114583	2.352431			
AB	6	22.197917	3.699653	2.473	0.0637	1.50
RAB	18	26.927083	1.495949			

COMPLETE FACTORIAL AOV For ----- ARAHY PLANT AVG-HGT IN Aug-17-20 T5 1 (Data Column 45)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	863.766667				
R	3	2.460000	0.820000	0.676	0.5782	
A	3	820.966667	273.655556	506.075	0.0001	0.6
RA	9	4.866667	0.540741			
B	2	1.350417	0.675208	2.224	0.1893	0.4
RB	6	1.821250	0.303542			
AB	6	10.454583	1.742431	1.436	0.2555	1.4
RAB	18	21.847083	1.213727			

COMPLETE FACTORIAL AOV For ---- ArahY Wth1 In Aug-17-20 (Data Column 46)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	2577.250000				
R	3	9.083333	3.027778	3.007	0.0575	
A	3	2450.250000	816.750000	269.752	0.0001	1.3
RA	9	27.250000	3.027778			
B	2	16.625000	8.312500	8.255	0.0189	0.7
RB	6	6.041667	1.006944			
AB	6	49.875000	8.312500	8.255	0.0002	1.2
RAB	18	18.125000	1.006944			

COMPLETE FACTORIAL AOV For ---- ArahY Wth2 In Aug-17-20 (Data Column 47)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	2315.666667				
R	3	4.666667	1.555556	1.710	0.2007	
A	3	2209.000000	736.333333	473.357	0.0001	0.9
RA	9	14.000000	1.555556			
B	2	16.541667	8.270833	9.092	0.0153	0.7
RB	6	5.458333	0.909722			
AB	6	49.625000	8.270833	9.092	0.0001	1.2
RAB	18	16.375000	0.909722			

COMPLETE FACTORIAL AOV For ---- ArahY Wth3 In Aug-17-20 (Data Column 48)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	2019.916667				
R	3	6.750000	2.250000	1.333	0.2947	
A	3	1806.250000	602.083333	267.593	0.0001	1.1
RA	9	20.250000	2.250000			
B	2	36.541667	18.270833	10.827	0.0102	0.9
RB	6	10.125000	1.687500			
AB	6	109.625000	18.270833	10.827	0.0001	1.6
RAB	18	30.375000	1.687500			

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 (IMAZAPYR)

Trial ID: PE-10-20 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For --- Arah4 Wth4 In Aug-17-20 (Data Column 49)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	2317.250000				
R	3	9.750000	3.250000	0.945	0.4395	
A	3	2162.250000	720.750000	221.769	0.0001	1.3
RA	9	29.250000	3.250000			
B	2	8.375000	4.187500	1.218	0.3597	1.3
RB	6	20.625000	3.437500			
AB	6	25.125000	4.187500	1.218	0.3423	2.3
RAB	18	61.875000	3.437500			

COMPLETE FACTORIAL AOV For ---- Arah4 Wth5 In Aug-17-20 (Data Column 50)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	2262.666667				
R	3	4.166667	1.388889	0.522	0.6725	
A	3	2116.000000	705.333333	507.840	0.0001	0.9
RA	9	12.500000	1.388889			
B	2	16.541667	8.270833	3.110	0.1184	1.1
RB	6	15.958333	2.659722			
AB	6	49.625000	8.270833	3.110	0.0286	2.0
RAB	18	47.875000	2.659722			

COMPLETE FACTORIAL AOV For ----- ARAHY PLANT AVG-WIDTH IN Aug-17-20 T6 1 (Data Column 51)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	2244.636667				
R	3	4.283333	1.427778	1.201	0.3377	
A	3	2143.690000	714.563333	500.472	0.0001	0.9
RA	9	12.850000	1.427778			
B	2	13.821667	6.910833	5.814	0.0394	0.7
RB	6	7.131667	1.188611			
AB	6	41.465000	6.910833	5.814	0.0016	1.3
RAB	18	21.395000	1.188611			

COMPLETE FACTORIAL AOV For ----- ARAHY DIRTY YIELD LBS/PLOT Oct-1-20 (Data Column 52)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	2095.274792				
R	3	1.452292	0.484097	0.463	0.7116	
A	3	2005.862292	668.620764	258.485	0.0001	1.20
RA	9	23.280208	2.586690			
B	2	4.431667	2.215833	1.292	0.3416	0.90
RB	6	10.293333	1.715556			
AB	6	31.133333	5.188889	4.962	0.0037	1.25
RAB	18	18.821667	1.045648			

COMPLETE FACTORIAL AOV For ----- ARAHY CLEAN YIELD LBS/PLOT Oct-1-20 T7 1 (Data Column 53)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	2012.301910				
R	3	1.394781	0.464927	0.463	0.7116	
A	3	1926.430145	642.143382	258.485	0.0001	1.2
RA	9	22.358312	2.484257			
B	2	4.256173	2.128086	1.292	0.3416	0.9
RB	6	9.885717	1.647620			
AB	6	29.900453	4.983409	4.962	0.0037	1.2
RAB	18	18.076329	1.004240			

COMPLETE FACTORIAL AOV For ----- ARAHY CLEAN YIELD LBS/A Oct-1-20 TY8 0 (Data Column 54)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	161874744.043136				
R	3	112199.766232	37399.922077	0.463	0.7116	
A	3	154966998.286197	51655666.095399	258.485	0.0001	335
RA	9	1798560.160327	199840.017814			
B	2	342377.482039	171188.741020	1.292	0.3416	250
RB	6	795232.541961	132538.756994			
AB	6	2405269.411242	400878.235207	4.962	0.0037	349
RAB	18	1454106.395137	80783.688619			

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 (IMAZAPYR)

Trial ID: PE-10-20 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For ----- ARAHY YIELD LOSS PERCENT Oct-1-20 1 (Data Column 55)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	59638.924792				
R	3	130.008958	43.336319	1.648	0.2136	
A	3	57113.362292	19037.787431	371.252	0.0001	5.4
RA	9	461.520208	51.280023			
B	2	657.967917	328.983958	9.349	0.0143	4.1
RB	6	211.135417	35.189236			
AB	6	591.722083	98.620347	3.751	0.0134	6.3
RAB	18	473.207917	26.289329			

Part Rated

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

Leaf = LEAF / FOLIAGE

PRM Data Type

T1 = ([C14]+[C15]+[C16]+[C17]+[C18])/5

T2 = ([C20]+[C21]+[C22]+[C23]+[C24])/5

T3 = ([C28]+[C29]+[C30]+[C31]+[C32])/5

T4 = ([C34]+[C35]+[C36]+[C37]+[C38])/5

T5 = ([40]+[41]+[42]+[43]+[44])/5

T6 = ([46]+[47]+[48]+[49]+[50])/5

T7 = [52]*0.98

TY8 = 283.624*[53]

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 (IMAZAPYR)											
Trial ID:		PE-10-20		Study Dir.:							
Location:		PONDER FARM		Investigator:		Eric P. Prostko					
Weed Code					-----	-----	---	---	---	---	
Crop Code					Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	
Part Rated					Plant -	Plant -	Plant -	Plant -	Plant -	Plant -	
Rating Data Type					Stand	Stand	Stand	Stunting	Stunting	Chlorosi	
Rating Unit					#/5 ft	#/5 ft	#/ 5ft	Percent	Percent	Percent	
Rating Date					May-6-20	May-11-20	May-14-20	May-14-20	May-28-20	May-28-20	
PRM Data Type											
# Subsamples, Dec.											
Trt	Treatment	Form	Form	Rate	Appl						
No.	Name	Conc	Type	Rate	Unit	Code	Plot				
								1	2	3	
									4	5	
										6	
1	ARSENAL POWERLINE	2	AS	0.0	oz/a		101	6.0	20.0	20.0	
	PRE					A	210	1.0	16.0	15.0	
							308	5.0	23.0	27.0	
							411	1.0	16.0	17.0	
							Mean =	3.3	18.8	19.8	
									0.0	0.0	
2	ARSENAL POWERLINE	2	AS	0.0	oz/a		102	1.0	14.0	16.0	
	28 DAP					B	207	5.0	20.0	23.0	
							312	4.0	21.0	19.0	
							403	5.0	16.0	17.0	
							Mean =	3.8	17.8	18.8	
									0.0	0.0	
3	ARSENAL POWERLINE	2	AS	0.0	oz/a		103	4.0	13.0	18.0	
	56 DAP					C	202	6.0	18.0	18.0	
							304	2.0	22.0	17.0	
							401	3.0	15.0	17.0	
							Mean =	3.8	17.0	17.5	
									0.0	0.0	
4	ARSENAL POWERLINE	2	AS	0.24	oz/a		104	4.0	19.0	22.0	
	PRE					A	208	2.0	19.0	19.0	
							311	7.0	18.0	23.0	
							405	3.0	18.0	19.0	
							Mean =	4.0	18.5	20.8	
									10.0	5.0	
									2.5	3.8	
										0.0	
5	ARSENAL POWERLINE	2	AS	0.24	oz/a		105	2.0	17.0	17.0	
	28 DAP					B	203	3.0	18.0	22.0	
							302	4.0	17.0	20.0	
							410	3.0	21.0	18.0	
							Mean =	3.0	18.3	19.3	
									0.0	0.0	
									10.0	0.0	
									0.0	0.0	
									10.0	0.0	
									2.5	2.5	
6	ARSENAL POWERLINE	2	AS	0.24	oz/a		106	0.0	15.0	20.0	
	56 DAP					C	204	5.0	17.0	18.0	
							305	6.0	14.0	20.0	
							409	7.0	18.0	20.0	
							Mean =	4.5	16.0	19.5	
									0.0	0.0	
									0.0	0.0	
									0.0	0.0	
									0.0	0.0	
7	ARSENAL POWERLINE	2	AS	2.4	oz/a		107	0.0	15.0	18.0	
	PRE					A	205	3.0	14.0	16.0	
							306	3.0	12.0	17.0	
							408	2.0	6.0	16.0	
							Mean =	2.0	11.8	16.8	
									10.0	10.0	
									20.0	10.0	
									10.0	10.0	
									12.5	12.5	
										0.0	
8	ARSENAL POWERLINE	2	AS	2.4	oz/a		108	3.0	17.0	20.0	
	28 DAP					B	206	1.0	14.0	15.0	
							303	2.0	18.0	17.0	
							407	2.0	13.0	17.0	
							Mean =	2.0	15.5	17.3	
									0.0	0.0	
									5.0	0.0	
									0.0	50.0	
									0.0	50.0	
									0.0	50.0	
									0.0	42.5	
9	ARSENAL POWERLINE	2	AS	2.4	oz/a		109	3.0	17.0	22.0	
	56 DAP					C	211	5.0	19.0	21.0	
							307	4.0	16.0	18.0	
							402	6.0	19.0	19.0	
							Mean =	4.5	17.8	20.0	
									0.0	0.0	
									0.0	0.0	
									0.0	0.0	
									0.0	0.0	
10	ARSENAL POWERLINE	2	AS	24	oz/a		110	1.0	9.0	16.0	
	PRE					A	212	0.0	8.0	11.0	
							301	0.0	10.0	11.0	
							406	0.0	10.0	17.0	
							Mean =	0.3	9.3	13.8	
									75.0	75.0	
									70.0	75.0	
									75.0	75.0	
									65.0	65.0	
									67.5	67.5	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	

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PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)										
Trial ID:		PE-10-20		Study Dir.:						
Location:		PONDER FARM		Investigator:		Eric P. Prostko				
Weed Code						-----	-----	---	---	---
Crop Code						Arahy	Arahy	Arahy	Arahy	Arahy
Part Rated						Plant -	Plant -	Plant -	Plant -	Plant -
Rating Data Type						Stand	Stand	Stand	Stunting	Chlorosi
Rating Unit						#/5 ft	#/5 ft	#/ 5ft	Percent	Percent
Rating Date						May-6-20	May-11-20	May-14-20	May-14-20	May-28-20
PRM Data Type										
# Subsamples, Dec.										
Trt Treatment	Form	Form	Rate	Appl						
No. Name	Conc	Type	Rate	Unit	Code Plot	1	2	3	4	5
11 ARSENAL POWERLINE	2 AS		24 oz/a		111	3.0	15.0	20.0	0.0	0.0
28 DAP				B	209	5.0	17.0	23.0	0.0	0.0
					310	4.0	21.0	23.0	0.0	0.0
					404	4.0	16.0	19.0	0.0	0.0
				Mean =		4.0	17.3	21.3	0.0	0.0
12 ARSENAL POWERLINE	2 AS		24 oz/a		112	1.0	20.0	22.0	0.0	0.0
56 DAP				C	201	4.0	23.0	22.0	0.0	0.0
					309	3.0	24.0	25.0	0.0	0.0
					412	2.0	15.0	17.0	0.0	0.0
				Mean =		2.5	20.5	21.5	0.0	0.0

University of Georgia

PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)

Trial ID: PE-10-20 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.					----	----	----	----	----	----
					Arahy Plant - Stunting Percent Jun-4-20	Arahy Plant - Chlorosis Percent Jun-4-20	Arahy Plant - Stunting Percent Jun-15-20	Arahy Plant - Chlorosis Percent Jun-15-20	Arahy Plant - Stunting Percent Jun-29-20	Arahy Plant - Chlorosis Percent Jun-29-20
Trt	Treatment	Form	Form	Rate Appl						
No.	Name	Conc	Type	Rate Unit Code Plot	7	8	9	10	11	12
1	ARSENAL POWERLINE PRE	2 AS	0.0 oz/a	A 101 210 308 411 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0
2	ARSENAL POWERLINE 28 DAP	2 AS	0.0 oz/a	B 102 207 312 403 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0
3	ARSENAL POWERLINE 56 DAP	2 AS	0.0 oz/a	C 103 202 304 401 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0
4	ARSENAL POWERLINE PRE	2 AS	0.24 oz/a	A 104 208 311 405 Mean =	5.0 15.0 10.0 10.0 10.0	0.0 0.0 0.0 5.0 1.3	0.0 5.0 10.0 10.0 6.3	0.0 0.0 0.0 0.0 0.0	5.0 10.0 0.0 100.0 28.8	0.0 0.0 0.0 0.0 0.0
5	ARSENAL POWERLINE 28 DAP	2 AS	0.24 oz/a	B 105 203 302 410 Mean =	5.0 10.0 0.0 5.0 5.0	0.0 0.0 0.0 0.0 0.0	0.0 10.0 0.0 0.0 2.5	0.0 0.0 0.0 0.0 0.0	5.0 10.0 0.0 0.0 3.8	0.0 0.0 0.0 0.0 0.0
6	ARSENAL POWERLINE 56 DAP	2 AS	0.24 oz/a	C 106 204 305 409 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 10.0 5.0 0.0 3.8	0.0 0.0 0.0 0.0 0.0
7	ARSENAL POWERLINE PRE	2 AS	2.4 oz/a	A 107 205 306 408 Mean =	40.0 20.0 20.0 20.0 25.0	0.0 0.0 5.0 5.0 2.5	50.0 25.0 45.0 40.0 40.0	10.0 0.0 10.0 10.0 7.5	45.0 20.0 25.0 25.0 28.8	5.0 10.0 0.0 0.0 3.8
8	ARSENAL POWERLINE 28 DAP	2 AS	2.4 oz/a	B 108 206 303 407 Mean =	35.0 20.0 20.0 20.0 23.8	20.0 30.0 30.0 20.0 25.0	60.0 25.0 50.0 50.0 46.3	10.0 0.0 10.0 10.0 7.5	55.0 25.0 50.0 40.0 42.5	10.0 0.0 0.0 0.0 2.5
9	ARSENAL POWERLINE 56 DAP	2 AS	2.4 oz/a	C 109 211 307 402 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	5.0 0.0 10.0 0.0 3.8	25.0 25.0 30.0 25.0 26.3
10	ARSENAL POWERLINE PRE	2 AS	24 oz/a	A 110 212 301 406 Mean =	80.0 70.0 85.0 65.0 75.0	5.0 10.0 10.0 10.0 8.8	85.0 80.0 85.0 75.0 81.3	15.0 10.0 10.0 10.0 11.3	85.0 85.0 85.0 75.0 82.5	10.0 20.0 10.0 10.0 12.5

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PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)

Trial ID: PE-10-20 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code					----	----	----	----	----	----	
Crop Code					Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	
Part Rated					Plant -	Plant -	Plant -	Plant -	Plant -	Plant -	
Rating Data Type					Stunting	Chlrosis	Stunting	Chlrosis	Stunting	Chlorosi	
Rating Unit					Percent	Percent	Percent	Percent	Percent	Percent	
Rating Date					Jun-4-20	Jun-4-20	Jun-15-20	Jun-15-20	Jun-29-20	Jun-29-20	
PRM Data Type											
# Subsamples, Dec.											
Trt	Treatment	Form	Form	Rate Appl							
No.	Name	Conc	Type	Rate Unit Code Plot	7	8	9	10	11	12	
11	ARSENAL POWERLINE 28 DAP	2	AS	24 oz/a	111	30.0	35.0	70.0	10.0	75.0	50.0
					B 209	30.0	40.0	70.0	10.0	85.0	50.0
					310	40.0	20.0	70.0	15.0	85.0	50.0
					404	30.0	30.0	70.0	10.0	85.0	35.0
					Mean =	32.5	31.3	70.0	11.3	82.5	46.3
12	ARSENAL POWERLINE 56 DAP	2	AS	24 oz/a	112	0.0	0.0	0.0	0.0	20.0	10.0
					C 201	0.0	0.0	0.0	0.0	20.0	25.0
					309	0.0	0.0	0.0	0.0	15.0	10.0
					412	0.0	0.0	0.0	0.0	10.0	25.0
					Mean =	0.0	0.0	0.0	0.0	16.3	17.5

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PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)

Trial ID: PE-10-20 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code					----	-----	-----	-----	-----	-----	-----		
Crop Code					Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy		
Part Rated					Plant -	Plant -	Plant -	Plant -	Plant -	Plant -	Plant -		
Rating Data Type					Lapping	Ht 1	Ht 2	Ht 3	Ht 4	Ht 5	avg-hgt		
Rating Unit					Percent	Inches	Inches	Inches	Inches	Inches	Inches		
Rating Date					Jun-29-20	Jul-2-20	Jul-2-20	Jul-2-20	Jul-2-20	Jul-2-20	Jul-2-20		
PRM Data Type											T1		
# Subsamples, Dec.											- 1		
Trt Treatment	Form	Form	Rate	Appl									
No. Name	Conc	Type	Rate	Unit	Code	Plot	13	14	15	16	17	18	19
1 ARSENAL POWERLINE PRE	2 AS	0.0 oz/a			A	101	15.0	10.50	11.00	9.50	10.00	9.00	10.0
						210	0.0	8.00	9.50	6.00	7.00	8.00	7.7
						308	5.0	8.00	7.00	9.00	10.50	9.00	8.7
						411	15.0	9.00	11.00	10.00	9.00	8.00	9.4
						Mean =	8.8	8.88	9.63	8.63	9.13	8.50	9.0
2 ARSENAL POWERLINE 28 DAP	2 AS	0.0 oz/a			B	102	15.0	10.50	10.00	10.50	9.00	10.00	10.0
						207	5.0	9.00	8.00	9.00	8.00	8.00	8.4
						312	15.0	8.00	8.00	7.50	8.00	9.50	8.2
						403	15.0	11.00	10.50	10.00	10.00	9.50	10.2
						Mean =	12.5	9.63	9.13	9.25	8.75	9.25	9.2
3 ARSENAL POWERLINE 56 DAP	2 AS	0.0 oz/a			C	103	5.0	10.50	11.00	10.50	9.50	11.00	10.5
						202	5.0	8.50	9.00	9.50	9.50	10.50	9.4
						304	10.0	10.00	11.00	9.50	10.50	10.00	10.2
						401	25.0	11.50	9.00	9.00	10.00	10.00	9.9
						Mean =	11.3	10.13	10.00	9.63	9.88	10.38	10.0
4 ARSENAL POWERLINE PRE	2 AS	0.24 oz/a			A	104	0.0	8.50	9.00	10.00	8.50	9.00	9.0
						208	0.0	8.00	8.00	7.50	7.00	7.00	7.5
						311	5.0	7.00	7.00	7.50	6.50	8.00	7.2
						405	0.0	8.00	8.00	8.50	8.00	7.00	7.9
						Mean =	1.3	7.88	8.00	8.38	7.50	7.75	7.9
5 ARSENAL POWERLINE 28 DAP	2 AS	0.24 oz/a			B	105	0.0	8.00	8.00	8.50	7.00	8.00	7.9
						203	0.0	9.50	6.50	10.00	7.50	9.00	8.5
						302	15.0	11.00	10.50	10.00	10.00	10.50	10.4
						410	5.0	8.00	8.50	8.50	9.00	9.50	8.7
						Mean =	5.0	9.13	8.38	9.25	8.38	9.25	8.9
6 ARSENAL POWERLINE 56 DAP	2 AS	0.24 oz/a			C	106	5.0	8.00	7.00	9.00	8.00	8.00	8.0
						204	0.0	9.00	9.00	8.50	9.00	9.00	8.9
						305	0.0	8.00	8.50	8.00	9.00	7.50	8.2
						409	30.0	10.00	9.00	9.50	9.50	9.00	9.4
						Mean =	8.8	8.75	8.38	8.75	8.88	8.38	8.6
7 ARSENAL POWERLINE PRE	2 AS	2.4 oz/a			A	107	0.0	6.00	7.00	7.50	7.00	7.00	6.9
						205	0.0	8.50	8.00	7.00	8.50	7.50	7.9
						306	0.0	5.00	6.00	6.50	6.00	5.00	5.7
						408	0.0	6.00	8.00	7.00	8.00	8.00	7.4
						Mean =	0.0	6.38	7.25	7.00	7.38	6.88	7.0
8 ARSENAL POWERLINE 28 DAP	2 AS	2.4 oz/a			B	108	0.0	6.50	7.00	6.00	6.00	4.50	6.0
						206	0.0	7.00	6.00	8.00	5.50	5.00	6.3
						303	0.0	6.00	7.00	6.50	6.00	6.00	6.3
						407	0.0	6.00	7.00	7.00	8.00	7.00	7.0
						Mean =	0.0	6.38	6.75	6.88	6.38	5.63	6.4
9 ARSENAL POWERLINE 56 DAP	2 AS	2.4 oz/a			C	109	5.0	8.00	7.00	7.50	7.00	7.00	7.3
						211	0.0	8.00	6.50	6.50	8.00	8.50	7.5
						307	0.0	7.50	6.50	8.00	7.50	8.00	7.5
						402	10.0	9.00	7.50	9.00	8.00	8.00	8.3
						Mean =	3.8	8.13	6.88	7.75	7.63	7.88	7.7
10 ARSENAL POWERLINE PRE	2 AS	24 oz/a			A	110	0.0	3.00	3.50	2.00	3.00	3.50	3.0
						212	0.0	3.00	3.50	4.00	2.50	4.00	3.4
						301	0.0	3.50	3.00	2.50	3.50	4.50	3.4
						406	0.0	3.50	4.00	4.50	5.00	4.00	4.2
						Mean =	0.0	3.25	3.50	3.25	3.50	4.00	3.5

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PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)

Trial ID: PE-10-20 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code								
Crop Code								
Part Rated								
Rating Data Type								
Rating Unit								
Rating Date								
PRM Data Type								
# Subsamples, Dec.								
Trt Treatment	Form Form	Rate Appl						
No. Name	Conc Type Rate Unit Code Plot							
11 ARSENAL POWERLINE	2 AS 24 oz/a	111	0.0	4.00	3.00	4.00	4.00	3.50
28 DAP	B	209	0.0	3.00	2.50	3.00	2.00	3.00
		310	0.0	4.00	3.50	4.00	3.00	3.50
		404	0.0	3.00	2.50	2.00	2.00	3.00
	Mean =		0.0	3.50	2.88	3.25	2.75	3.25
12 ARSENAL POWERLINE	2 AS 24 oz/a	112	0.0	6.50	7.00	6.00	7.00	7.00
56 DAP	C	201	0.0	8.00	8.00	7.00	6.50	6.50
		309	0.0	7.00	6.50	7.50	5.50	7.00
		412	0.0	6.00	6.00	7.50	7.00	7.00
	Mean =		0.0	6.88	6.88	7.00	6.50	6.88

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PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)

Trial ID: PE-10-20 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.					--- Arahy Twin - Width1 In Jul-2-20	---- Arahy Twin - Width2 In Jul-2-20	----- Arahy Twin - Width3 In Jul-2-20	----- Arahy Twin - Width4 In Jul-2-20	----- Arahy Twin - Width5 In Jul-2-20	----- Arahy Twin - avg-wdth In Jul-2-20 T2 - 1	----- Arahy Plant - Stunting Percent Jul-23-20
Trt	Treatment	Form	Form	Rate Appl							
No.	Name	Conc	Type	Rate Unit Code Plot	20	21	22	23	24	25	26
1	ARSENAL POWERLINE PRE	2 AS	0.0 oz/a	A 101 210 308 411 Mean =	36.00 28.00 21.00 26.00 27.75	32.0 23.0 27.0 25.0 26.8	28.0 26.0 26.0 25.0 26.3	34.00 21.00 25.00 26.00 26.50	30.0 23.0 22.0 26.0 25.3	32.0 24.2 24.2 25.6 26.5	0.0 0.0 0.0 0.0 0.0
2	ARSENAL POWERLINE 28 DAP	2 AS	0.0 oz/a	B 102 207 312 403 Mean =	30.00 26.00 28.00 29.00 28.25	29.0 26.0 27.0 30.0 28.0	33.0 24.0 28.0 29.0 28.5	32.00 25.00 29.00 27.00 28.25	32.0 26.0 27.0 24.0 27.3	31.2 25.4 27.8 27.8 28.1	0.0 0.0 0.0 0.0 0.0
3	ARSENAL POWERLINE 56 DAP	2 AS	0.0 oz/a	C 103 202 304 401 Mean =	30.00 30.00 26.00 28.00 28.50	30.0 29.0 23.0 26.0 27.0	30.0 28.0 28.0 27.0 28.3	28.00 30.00 27.00 32.00 29.25	28.0 30.0 26.0 29.0 28.3	29.2 29.4 26.0 28.4 28.3	0.0 0.0 0.0 0.0 0.0
4	ARSENAL POWERLINE PRE	2 AS	0.24 oz/a	A 104 208 311 405 Mean =	25.00 21.00 21.00 21.00 22.00	29.0 21.0 24.0 23.0 24.3	24.0 22.0 26.0 23.0 23.8	25.00 19.00 27.00 25.00 24.00	24.0 22.0 25.0 27.0 24.5	25.4 21.0 24.6 23.8 23.7	0.0 10.0 0.0 0.0 2.5
5	ARSENAL POWERLINE 28 DAP	2 AS	0.24 oz/a	B 105 203 302 410 Mean =	26.00 31.00 27.00 29.00 28.25	23.0 25.0 31.0 31.0 27.5	25.0 24.0 27.0 30.0 26.5	28.00 26.00 28.00 27.00 27.25	24.0 23.0 29.0 23.0 24.8	25.2 25.8 28.4 28.0 26.9	0.0 0.0 0.0 0.0 0.0
6	ARSENAL POWERLINE 56 DAP	2 AS	0.24 oz/a	C 106 204 305 409 Mean =	28.00 24.00 25.00 29.00 26.50	28.0 23.0 24.0 24.0 24.8	24.0 26.0 23.0 32.0 26.3	27.00 24.00 26.00 30.00 26.75	26.0 22.0 25.0 29.0 25.5	26.6 23.8 24.6 28.8 26.0	0.0 0.0 0.0 0.0 0.0
7	ARSENAL POWERLINE PRE	2 AS	2.4 oz/a	A 107 205 306 408 Mean =	21.00 22.00 23.00 19.00 21.25	19.0 22.0 21.0 19.0 20.3	21.0 24.0 23.0 24.0 23.0	23.00 22.00 25.00 23.00 23.25	24.0 22.0 19.0 22.0 21.8	21.6 22.4 22.2 21.4 21.9	15.0 10.0 15.0 10.0 12.5
8	ARSENAL POWERLINE 28 DAP	2 AS	2.4 oz/a	B 108 206 303 407 Mean =	18.00 23.00 17.00 19.00 19.25	17.0 21.0 16.0 23.0 19.3	17.0 19.0 18.0 23.0 19.3	15.00 20.00 19.00 20.00 18.50	17.0 20.0 19.0 21.0 19.3	16.8 20.6 17.8 21.2 19.1	25.0 15.0 50.0 5.0 23.8
9	ARSENAL POWERLINE 56 DAP	2 AS	2.4 oz/a	C 109 211 307 402 Mean =	20.00 24.00 25.00 25.00 23.50	20.0 22.0 24.0 24.0 22.5	21.0 20.0 22.0 25.0 22.0	22.00 25.00 23.00 25.00 23.75	24.0 24.0 26.0 24.0 24.5	21.4 23.0 24.0 24.6 23.3	10.0 10.0 10.0 10.0 10.0
10	ARSENAL POWERLINE PRE	2 AS	24 oz/a	A 110 212 301 406 Mean =	14.00 14.00 13.00 14.00 13.75	15.0 13.0 11.0 13.0 13.0	11.0 14.0 13.0 14.0 13.0	14.00 15.00 11.00 14.00 13.50	13.0 15.0 11.0 13.0 13.0	13.4 14.2 11.8 13.6 13.3	80.0 75.0 65.0 70.0 72.5

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PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)

Trial ID: PE-10-20 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code	---	----	-----	-----	-----	-----	-----
Crop Code	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy
Part Rated	Twin -	Twin -	Twin -	Twin -	Twin -	Twin -	Plant -
Rating Data Type	Width1	Width2	Width3	Width4	Width5	avg-wdth	Stunting
Rating Unit	In	In	In	In	In	In	Percent
Rating Date	Jul-2-20	Jul-2-20	Jul-2-20	Jul-2-20	Jul-2-20	Jul-2-20	Jul-23-20
PRM Data Type						T2	
# Subsamples, Dec.						- 1	
Trt Treatment	Form	Form	Rate	Appl			
No. Name	Conc	Type	Rate	Unit	Code	Plot	
11 ARSENAL POWERLINE	2 AS	24 oz/a	111	13.00	13.0	12.0	13.00
28 DAP			209	12.00	12.0	13.0	12.00
			310	13.00	12.0	14.0	12.00
			404	13.50	13.0	13.0	12.50
			Mean =	12.88	12.5	13.0	12.38
12 ARSENAL POWERLINE	2 AS	24 oz/a	112	21.00	19.0	26.0	19.00
56 DAP			201	24.00	24.0	23.0	22.00
			309	22.00	20.0	21.0	23.00
			412	25.00	24.0	22.0	21.00
			Mean =	23.00	21.8	23.0	21.25
							23.3
							22.5
							51.3

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PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)

Trial ID: PE-10-20 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code					----- Arahy Leaf - Chlorosi Percent Jul-23-20	----- Arahy Plant - Ht1 In Jul-27-20	----- Arahy Plant - Ht2 In Jul-27-20	----- Arahy Plant - Ht3 In Jul-27-20	----- Arahy Plant - Ht4 In Jul-27-20	----- Arahy Plant - Ht5 In Jul-27-20
Crop Code										
Part Rated										
Rating Data Type										
Rating Unit										
Rating Date										
PRM Data Type										
# Subsamples, Dec.										
Trt Treatment	Form	Form	Rate	Appl						
No. Name	Conc	Type	Rate	Unit	Code	Plot				
1 ARSENAL POWERLINE PRE	2 AS		0.0 oz/a		A	101 210 308 411 Mean =	0.0 14.0 11.0 12.0 12.0 12.3	13.0 10.0 12.0 13.0 12.0	14.0 12.0 12.0 12.0 12.5	13.0 12.0 13.0 14.0 13.0
2 ARSENAL POWERLINE 28 DAP	2 AS		0.0 oz/a		B	102 207 312 403 Mean =	0.0 14.0 13.0 11.0 10.0 13.0	14.0 14.0 12.0 10.0 13.0 12.8	14.0 12.0 12.0 12.0 13.0 12.8	13.0 12.0 12.0 15.0 13.0 13.0
3 ARSENAL POWERLINE 56 DAP	2 AS		0.0 oz/a		C	103 202 304 401 Mean =	0.0 13.0 13.0 13.0 13.0	13.0 12.0 12.0 13.0 12.5	13.0 13.0 13.0 12.0 12.8	14.0 13.0 15.0 11.0 12.5
4 ARSENAL POWERLINE PRE	2 AS		0.24 oz/a		A	104 208 311 405 Mean =	0.0 11.0 11.0 12.0 11.3	13.0 9.0 10.0 14.0 11.5	10.0 11.0 10.0 12.0 10.8	12.0 12.0 13.0 13.0 12.5
5 ARSENAL POWERLINE 28 DAP	2 AS		0.24 oz/a		B	105 203 302 410 Mean =	0.0 12.0 11.0 13.0 11.0 11.8	12.0 12.0 14.0 12.0 12.5	10.0 11.0 14.0 11.0 11.5	13.0 12.0 15.0 13.0 13.3
6 ARSENAL POWERLINE 56 DAP	2 AS		0.24 oz/a		C	106 204 305 409 Mean =	0.0 13.0 11.0 11.0 12.0 11.8	12.0 11.0 13.0 12.0 12.0	12.0 10.0 14.0 13.0 12.3	13.0 12.0 12.0 12.0 12.3
7 ARSENAL POWERLINE PRE	2 AS		2.4 oz/a		A	107 205 306 408 Mean =	0.0 9.0 10.0 9.0 9.0	10.0 10.0 9.0 9.0 9.5	9.0 10.0 10.0 10.0 9.8	9.0 10.0 10.0 10.0 9.8
8 ARSENAL POWERLINE 28 DAP	2 AS		2.4 oz/a		B	108 206 303 407 Mean =	0.0 8.0 9.0 8.0 11.0 9.0	6.0 8.0 8.0 8.0 13.0 8.8	7.0 10.0 10.0 10.0 11.0 9.5	9.0 11.0 9.0 12.0 12.0 10.3
9 ARSENAL POWERLINE 56 DAP	2 AS		2.4 oz/a		C	109 211 307 402 Mean =	10.0 15.0 20.0 20.0 16.3	8.0 9.0 8.0 12.0 9.8	11.0 11.0 10.0 10.0 10.5	6.0 11.0 10.0 12.0 9.8
10 ARSENAL POWERLINE PRE	2 AS		24 oz/a		A	110 212 301 406 Mean =	30.0 40.0 30.0 40.0 35.0	3.0 5.0 6.0 4.0 4.5	4.0 4.0 5.0 4.0 4.3	5.0 3.0 4.0 4.0 4.0

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PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)

Trial ID: PE-10-20 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code						
Crop Code						
Part Rated						
Rating Data Type						
Rating Unit						
Rating Date						
PRM Data Type						
# Subsamples, Dec.						
Trt Treatment	Form Form	Rate Appl				
No. Name	Conc Type Rate Unit Code Plot					
11 ARSENAL POWERLINE	2 AS 24 oz/a	111	70.0	4.0	3.0	4.0
28 DAP	B 209	80.0	4.0	4.0	4.0	5.0
	310	80.0	4.0	4.0	4.0	5.0
	404	80.0	3.0	3.0	2.0	3.0
	Mean =	77.5	3.8	3.5	3.5	4.3
12 ARSENAL POWERLINE	2 AS 24 oz/a	112	10.0	5.0	5.0	5.0
56 DAP	C 201	20.0	6.0	5.0	5.0	8.0
	309	15.0	5.0	6.0	6.0	5.0
	412	15.0	7.0	5.0	8.0	5.0
	Mean =	15.0	5.8	5.3	6.0	5.5

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PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)

Trial ID: PE-10-20 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code					----- Arahy Plant - HGT-AVG In Jul-27-20 T3 - 1	----- Arahy Plant - Width1 In Jul-27-20	----- Arahy Plant - Width2 In Jul-27-20	----- Arahy Plant - Width3 In Jul-27-20	----- Arahy Plant - Width4 In Jul-27-20	----- Arahy Plant - Width5 In Jul-27-20
Trt Treatment	Form Form	Rate Appl								
No. Name	Conc Type	Rate Unit	Code Plot		33	34	35	36	37	38
1 ARSENAL POWERLINE PRE	2 AS	0.0 oz/a	A 101 210 308 411 Mean =		13.6 11.4 12.2 12.8 12.5	36.0 36.0 36.0 36.0 36.0	36.0 36.0 36.0 36.0 36.0	36.0 36.0 36.0 36.0 36.0	36.0 36.0 36.0 36.0 36.0	36.0 36.0 36.0 36.0 36.0
2 ARSENAL POWERLINE 28 DAP	2 AS	0.0 oz/a	B 102 207 312 403 Mean =		13.6 12.8 11.6 14.0 13.0	36.0 36.0 36.0 36.0 36.0	36.0 36.0 36.0 36.0 36.0	36.0 36.0 36.0 36.0 36.0	36.0 36.0 36.0 36.0 36.0	36.0 36.0 36.0 36.0 36.0
3 ARSENAL POWERLINE 56 DAP	2 AS	0.0 oz/a	C 103 202 304 401 Mean =		13.2 12.6 13.4 12.2 12.9	36.0 36.0 36.0 36.0 36.0	36.0 36.0 36.0 36.0 36.0	36.0 36.0 36.0 36.0 36.0	36.0 36.0 36.0 36.0 36.0	36.0 36.0 36.0 36.0 36.0
4 ARSENAL POWERLINE PRE	2 AS	0.24 oz/a	A 104 208 311 405 Mean =		11.8 10.8 11.6 13.0 11.8	36.0 36.0 36.0 36.0 36.0	36.0 36.0 36.0 36.0 36.0	36.0 36.0 36.0 36.0 36.0	36.0 36.0 36.0 36.0 36.0	36.0 36.0 36.0 36.0 36.0
5 ARSENAL POWERLINE 28 DAP	2 AS	0.24 oz/a	B 105 203 302 410 Mean =		11.8 12.0 13.8 11.6 12.3	36.0 36.0 36.0 36.0 36.0	36.0 36.0 36.0 36.0 36.0	36.0 36.0 36.0 36.0 36.0	36.0 36.0 36.0 36.0 36.0	36.0 36.0 36.0 36.0 36.0
6 ARSENAL POWERLINE 56 DAP	2 AS	0.24 oz/a	C 106 204 305 409 Mean =		12.4 11.4 12.6 12.4 12.2	36.0 36.0 36.0 36.0 36.0	36.0 36.0 36.0 36.0 36.0	36.0 36.0 36.0 36.0 36.0	36.0 36.0 36.0 36.0 36.0	36.0 36.0 36.0 36.0 36.0
7 ARSENAL POWERLINE PRE	2 AS	2.4 oz/a	A 107 205 306 408 Mean =		9.4 9.8 9.2 9.6 9.5	22.0 36.0 36.0 36.0 32.5	29.0 36.0 36.0 36.0 34.3	36.0 36.0 36.0 36.0 36.0	28.0 36.0 36.0 36.0 34.0	36.0 36.0 36.0 36.0 36.0
8 ARSENAL POWERLINE 28 DAP	2 AS	2.4 oz/a	B 108 206 303 407 Mean =		8.0 9.6 8.8 11.8 9.6	36.0 36.0 24.0 36.0 33.0	25.0 36.0 25.0 36.0 30.5	36.0 36.0 24.0 36.0 33.0	29.0 36.0 32.0 36.0 33.3	32.0 36.0 27.0 36.0 32.8
9 ARSENAL POWERLINE 56 DAP	2 AS	2.4 oz/a	C 109 211 307 402 Mean =		8.6 10.0 9.4 11.4 9.9	36.0 36.0 36.0 36.0 36.0	25.0 36.0 36.0 36.0 33.3	36.0 36.0 36.0 36.0 36.0	25.0 36.0 36.0 36.0 33.3	32.0 36.0 36.0 36.0 35.0
10 ARSENAL POWERLINE PRE	2 AS	24 oz/a	A 110 212 301 406 Mean =		4.0 4.0 5.0 3.8 4.2	16.0 13.0 18.0 15.0 15.5	15.0 16.0 19.0 18.0 17.0	15.0 17.0 21.0 15.0 17.0	14.0 14.0 15.0 14.0 14.3	14.0 14.0 16.0 14.0 14.5

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PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)

Trial ID: PE-10-20 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.					----- Arahy Plant - HGT-AVG In Jul-27-20 T3 - 1	----- Arahy Plant - Width1 In Jul-27-20	----- Arahy Plant - Width2 In Jul-27-20	----- Arahy Plant - Width3 In Jul-27-20	----- Arahy Plant - Width4 In Jul-27-20	----- Arahy Plant - Width5 In Jul-27-20
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Appl Unit Code Plot	33	34	35	36	37	38
11 ARSENAL POWERLINE 28 DAP	2	AS	24 oz/a	B 111 209 310 404 Mean =	3.8 4.4 4.4 2.8 3.9	14.0 13.0 12.0 12.0 12.8	16.0 14.0 15.0 13.0 14.5	15.0 16.0 14.0 14.0 14.8	16.0 16.0 15.0 11.0 14.5	14.0 15.0 17.0 12.0 14.5
12 ARSENAL POWERLINE 56 DAP	2	AS	24 oz/a	C 112 201 309 412 Mean =	5.2 5.8 5.6 6.2 5.7	22.0 21.0 22.0 19.0 21.0	20.0 24.0 23.0 24.0 22.8	15.0 19.0 23.0 24.0 20.3	21.0 23.0 26.0 26.0 24.0	25.0 23.0 24.0 24.0 24.0

PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)										
Trial ID: PE-10-20		Study Dir.: Ponder Farm		Investigator: Eric P. Prostko						
Weed Code					-----	-----	-----	-----	-----	
Crop Code					Arahy	Arahy	Arahy	Arahy	Arahy	
Part Rated					Plant -					
Rating Data Type					WDT-AVG	Ht1	Ht2	Ht3	Ht4	
Rating Unit					In	In	In	In	In	
Rating Date					Jul-27-20	Aug-17-20	Aug-17-20	Aug-17-20	Aug-17-20	
PRM Data Type					T4					
# Subsamples, Dec.					- 1					
Trt	Treatment	Form	Form	Rate	Appl					
No.	Name	Conc	Type	Rate	Unit	Code	Plot			
								39	40	41
								42	43	
1	ARSENAL POWERLINE PRE	2 AS	0.0 oz/a			101		36.0	16.0	16.00
					A	210		36.0	16.0	13.00
						308		36.0	16.0	14.00
						411		36.0	17.0	16.00
						Mean =		36.0	16.3	14.75
2	ARSENAL POWERLINE 28 DAP	2 AS	0.0 oz/a			102		36.0	17.0	18.00
					B	207		36.0	17.0	18.00
						312		36.0	15.0	16.00
						403		36.0	17.0	16.00
						Mean =		36.0	16.5	17.00
3	ARSENAL POWERLINE 56 DAP	2 AS	0.0 oz/a			103		36.0	15.0	16.00
					C	202		36.0	16.0	14.00
						304		36.0	17.0	16.00
						401		36.0	15.0	14.00
						Mean =		36.0	15.8	15.00
4	ARSENAL POWERLINE PRE	2 AS	0.24 oz/a			104		36.0	15.0	16.00
					A	208		36.0	15.0	14.00
						311		36.0	14.0	12.00
						405		36.0	14.0	16.00
						Mean =		36.0	14.5	14.50
5	ARSENAL POWERLINE 28 DAP	2 AS	0.24 oz/a			105		36.0	15.0	15.00
					B	203		36.0	16.0	17.00
						302		36.0	17.0	17.00
						410		36.0	14.0	15.00
						Mean =		36.0	15.5	16.00
6	ARSENAL POWERLINE 56 DAP	2 AS	0.24 oz/a			106		36.0	15.0	15.00
					C	204		36.0	15.0	16.00
						305		36.0	14.0	15.00
						409		36.0	14.0	15.00
						Mean =		36.0	14.5	15.25
7	ARSENAL POWERLINE PRE	2 AS	2.4 oz/a			107		30.2	14.0	14.00
					A	205		36.0	16.0	13.00
						306		36.0	14.0	14.00
						408		36.0	13.0	14.00
						Mean =		34.6	14.3	13.75
8	ARSENAL POWERLINE 28 DAP	2 AS	2.4 oz/a			108		31.6	13.0	12.00
					B	206		36.0	14.0	14.00
						303		26.4	13.0	13.00
						407		36.0	16.0	17.00
						Mean =		32.5	14.0	14.00
9	ARSENAL POWERLINE 56 DAP	2 AS	2.4 oz/a			109		30.8	13.0	12.00
					C	211		36.0	12.0	13.00
						307		36.0	12.0	14.00
						402		36.0	16.0	13.00
						Mean =		34.7	13.3	13.00
10	ARSENAL POWERLINE PRE	2 AS	24 oz/a			110		14.8	4.0	4.00
					A	212</				

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PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)

Trial ID: PE-10-20 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code					
Crop Code					
Part Rated					
Rating Data Type					
Rating Unit					
Rating Date					
PRM Data Type					
# Subsamples, Dec.					
	-----	----	----	----	----
	Arahy	Arahy	Arahy	Arahy	Arahy
	Plant -				
	WDT-AVG	Ht1	Ht2	Ht3	Ht4
	In	In	In	In	In
	Jul-27-20	Aug-17-20	Aug-17-20	Aug-17-20	Aug-17-20
	T4				
	- 1				
Trt Treatment	Form Form	Rate Appl			
No. Name	Conc Type Rate Unit Code Plot				
		39	40	41	42
11 ARSENAL POWERLINE	2 AS 24 oz/a				
28 DAP	B	111	15.0	4.0	5.00
		209	14.8	5.0	5.00
		310	14.6	4.0	4.00
		404	12.4	3.0	5.00
	Mean =		14.2	4.0	4.75
12 ARSENAL POWERLINE	2 AS 24 oz/a				
56 DAP	C	112	20.6	6.0	5.00
		201	22.0	7.0	7.50
		309	23.6	6.0	5.00
		412	23.4	8.0	4.00
	Mean =		22.4	6.8	5.38
				6.5	7.0

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PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)										
Trial ID: PE-10-20		Study Dir.: Eric P. Prostko								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code					----	-----	----	----	----	---
Crop Code					Arahy	ARAHY	Arahy	Arahy	Arahy	Arahy
Part Rated						PLANT -				
Rating Data Type					Ht5	AVG-HGT	Wth1	Wth2	Wth3	Wth4
Rating Unit					In	IN	In	In	In	In
Rating Date					Aug-17-20	Aug-17-20	Aug-17-20	Aug-17-20	Aug-17-20	Aug-17-20
PRM Data Type						T5				
# Subsamples, Dec.						- 1				
Trt Treatment	Form	Form	Rate	Appl						
No. Name	Conc	Type	Rate	Unit	Code Plot					
						44	45	46	47	48
1 ARSENAL POWERLINE PRE	2 AS	0.0 oz/a			101	15.00	15.4	36.0	36.0	36.0
				A	210	15.00	14.8	36.0	36.0	36.0
					308	17.00	15.8	36.0	36.0	36.0
					411	17.00	16.8	36.0	36.0	36.0
					Mean =	16.00	15.7	36.0	36.0	36.0
2 ARSENAL POWERLINE 28 DAP	2 AS	0.0 oz/a			102	15.00	16.8	36.0	36.0	36.0
				B	207	16.00	16.2	36.0	36.0	36.0
					312	16.00	15.4	36.0	36.0	36.0
					403	17.00	16.8	36.0	36.0	36.0
					Mean =	16.00	16.3	36.0	36.0	36.0
3 ARSENAL POWERLINE 56 DAP	2 AS	0.0 oz/a			103	16.00	15.2	36.0	36.0	36.0
				C	202	16.00	15.4	36.0	36.0	36.0
					304	16.00	16.4	36.0	36.0	36.0
					401	12.00	14.2	36.0	36.0	36.0
					Mean =	15.00	15.3	36.0	36.0	36.0
4 ARSENAL POWERLINE PRE	2 AS	0.24 oz/a			104	16.00	15.2	36.0	36.0	36.0
				A	208	13.00	14.4	36.0	36.0	36.0
					311	16.00	13.8	36.0	36.0	36.0
					405	16.00	15.6	36.0	36.0	36.0
					Mean =	15.25	14.8	36.0	36.0	36.0
5 ARSENAL POWERLINE 28 DAP	2 AS	0.24 oz/a			105	16.00	15.2	36.0	36.0	36.0
				B	203	16.00	16.0	36.0	36.0	36.0
					302	17.00	17.0	36.0	36.0	36.0
					410	15.00	14.8	36.0	36.0	36.0
					Mean =	16.00	15.8	36.0	36.0	36.0
6 ARSENAL POWERLINE 56 DAP	2 AS	0.24 oz/a			106	14.00	14.2	36.0	36.0	36.0
				C	204	17.00	15.4	36.0	36.0	36.0
					305	13.00	15.0	36.0	36.0	36.0
					409	15.00	14.8	36.0	36.0	36.0
					Mean =	14.75	14.9	36.0	36.0	36.0
7 ARSENAL POWERLINE PRE	2 AS	2.4 oz/a			107	13.00	13.4	36.0	36.0	36.0
				A	205	13.00	14.2	36.0	36.0	36.0
					306	12.00	14.0	36.0	36.0	36.0
					408	14.00	13.8	36.0	36.0	36.0
					Mean =	13.00	13.9	36.0	36.0	36.0
8 ARSENAL POWERLINE 28 DAP	2 AS	2.4 oz/a			108	14.00	12.8	36.0	36.0	36.0
				B	206	14.00	14.4	36.0	36.0	36.0
					303	15.00	14.0	36.0	36.0	36.0
					407	17.00	16.0	36.0	36.0	36.0
					Mean =	15.00	14.3	36.0	36.0	36.0
9 ARSENAL POWERLINE 56 DAP	2 AS	2.4 oz/a			109	13.00	13.0	36.0	36.0	36.0
				C	211	14.00	12.8	36.0	36.0	36.0
					307	12.00	13.4	36.0	36.0	36.0
					402	15.00	14.8	36.0	36.0	36.0
					Mean =	13.50	13.5	36.0	36.0	36.0
10 ARSENAL POWERLINE PRE	2 AS	24 oz/a			110	4.00	4.2	18.0	17.0	20.0
				A	212	3.50	4.3	15.0	17.0	16.0
					301	5.00	7.8	19.0	20.0	21.0
					406	4.00	4.6	14.0	16.0	19.0
					Mean =	4.13	5.2	16.5	17.5	19.0

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PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)

Trial ID: PE-10-20 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code	----	-----	----	----	----	---
Crop Code	Arahy	ARAHY	Arahy	Arahy	Arahy	Arahy
Part Rated		PLANT -				
Rating Data Type	Ht5	AVG-HGT	Wth1	Wth2	Wth3	Wth4
Rating Unit	In	IN	In	In	In	In
Rating Date	Aug-17-20	Aug-17-20	Aug-17-20	Aug-17-20	Aug-17-20	Aug-17-20
PRM Data Type		T5				
# Subsamples, Dec.		- 1				
Trt Treatment	Form Form	Rate Appl				
No. Name	Conc Type Rate Unit Code Plot					
			44	45	46	47
11 ARSENAL POWERLINE	2 AS 24 oz/a	111	6.00	5.6	25.0	22.0
28 DAP	B 209	4.00	4.4	18.0	20.0	18.0
	310	6.00	4.6	19.0	21.0	18.0
	404	4.00	4.6	17.0	18.0	19.0
	Mean =	5.00	4.8	19.8	20.3	19.8
12 ARSENAL POWERLINE	2 AS 24 oz/a	112	7.00	5.8	22.0	22.0
56 DAP	C 201	7.00	7.5	22.0	20.0	24.0
	309	6.00	6.0	24.0	26.0	27.0
	412	7.00	6.6	21.0	25.0	31.0
	Mean =	6.75	6.5	22.3	23.3	26.8
						22.3

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PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)

Trial ID: PE-10-20 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code									
Crop Code									
Part Rated									
Rating Data Type									
Rating Unit									
Rating Date									
PRM Data Type									
# Subsamples, Dec.									
Trt Treatment	Form	Form	Rate	Appl					
No. Name	Conc	Type	Rate	Unit	Code	Plot			
							50	51	52
1 ARSENAL POWERLINE PRE	2 AS	0.0 oz/a			101		36.0	36.0	19.30
					210		36.0	36.0	16.40
					308		36.0	36.0	18.70
					411		36.0	36.0	18.20
					Mean =		36.0	36.0	18.15
2 ARSENAL POWERLINE 28 DAP	2 AS	0.0 oz/a			102		36.0	36.0	20.50
					207		36.0	36.0	19.70
					312		36.0	36.0	18.90
					403		36.0	36.0	17.40
					Mean =		36.0	36.0	19.13
3 ARSENAL POWERLINE 56 DAP	2 AS	0.0 oz/a			103		36.0	36.0	18.00
					202		36.0	36.0	19.00
					304		36.0	36.0	17.90
					401		36.0	36.0	15.30
					Mean =		36.0	36.0	17.55
4 ARSENAL POWERLINE PRE	2 AS	0.24 oz/a			104		36.0	36.0	17.50
					208		36.0	36.0	17.70
					311		36.0	36.0	18.40
					405		36.0	36.0	17.80
					Mean =		36.0	36.0	17.85
5 ARSENAL POWERLINE 28 DAP	2 AS	0.24 oz/a			105		36.0	36.0	19.50
					203		36.0	36.0	17.20
					302		36.0	36.0	17.90
					410		36.0	36.0	19.90
					Mean =		36.0	36.0	18.63
6 ARSENAL POWERLINE 56 DAP	2 AS	0.24 oz/a			106		36.0	36.0	18.40
					204		36.0	36.0	17.50
					305		36.0	36.0	19.50
					409		36.0	36.0	19.70
					Mean =		36.0	36.0	18.78
7 ARSENAL POWERLINE PRE	2 AS	2.4 oz/a			107		36.0	36.0	16.80
					205		36.0	36.0	17.80
					306		36.0	36.0	16.50
					408		36.0	36.0	15.80
					Mean =		36.0	36.0	16.73
8 ARSENAL POWERLINE 28 DAP	2 AS	2.4 oz/a			108		36.0	36.0	13.70
					206		36.0	36.0	15.40
					303		36.0	36.0	10.20
					407		36.0	36.0	15.00
					Mean =		36.0	36.0	13.58
9 ARSENAL POWERLINE 56 DAP	2 AS	2.4 oz/a			109		36.0	36.0	14.90
					211		36.0	36.0	16.50
					307		36.0	36.0	15.20
					402		36.0	36.0	16.00
					Mean =		36.0	36.0	15.65
10 ARSENAL POWERLINE PRE	2 AS	24 oz/a			110		19.0	18.6	2.50
					212		16.0	16.2	2.00
					301		27.0	23.2	3.70
					406		21.0	17.8	2.80
					Mean =		20.8	19.0	2.75

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PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)

Trial ID: PE-10-20 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code	----	-----	-----	-----	-----		
Crop Code	Arahy	ARAHY	ARAHY	ARAHY	ARAHY		
Part Rated		PLANT -	DIRTY -	CLEAN -	CLEAN -		
Rating Data Type	Wth5	AVG-WDTH	YIELD	YIELD	YIELD		
Rating Unit	In	IN	LBS/PLOT	LBS/PLOT	LBS/A		
Rating Date	Aug-17-20	Aug-17-20	Oct-1-20	Oct-1-20	Oct-1-20		
PRM Data Type		T6		T7	TY8		
# Subsamples, Dec.		- 1		- 1	- 0		
Trt Treatment	Form Form	Rate Appl					
No. Name	Conc Type Rate Unit Code Plot	50	51	52	53	54	
11 ARSENAL POWERLINE 28 DAP	2 AS 24 oz/a	111	18.0	22.2	3.50	3.4	973
	B	209	18.0	18.2	0.60	0.6	167
		310	19.0	19.2	1.70	1.7	473
		404	16.0	17.0	0.80	0.8	222
	Mean =		17.8	19.2	1.65	1.6	459
12 ARSENAL POWERLINE 56 DAP	2 AS 24 oz/a	112	22.0	22.8	3.00	2.9	834
	C	201	26.0	22.6	3.80	3.7	1056
		309	22.0	24.0	3.70	3.6	1028
		412	24.0	25.0	4.10	4.0	1140
	Mean =		23.5	23.6	3.65	3.6	1015

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PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)

Trial ID: PE-10-20 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code					-----
Crop Code					ARAHY
Part Rated					YIELD -
Rating Data Type					LOSS
Rating Unit					PERCENT
Rating Date					Oct-1-20
PRM Data Type					
# Subsamples, Dec.					- 1
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Appl Code Plot
					55
1	ARSENAL POWERLINE PRE	2	AS	0.0 oz/a	101 0.0 A 210 0.0 308 0.0 411 0.0 Mean = 0.0
2	ARSENAL POWERLINE 28 DAP	2	AS	0.0 oz/a	102 0.0 B 207 0.0 312 0.0 403 0.0 Mean = 0.0
3	ARSENAL POWERLINE 56 DAP	2	AS	0.0 oz/a	103 0.0 C 202 0.0 304 0.0 401 0.0 Mean = 0.0
4	ARSENAL POWERLINE PRE	2	AS	0.24 oz/a	104 9.3 A 208 0.0 311 1.6 405 2.2 Mean = 3.3
5	ARSENAL POWERLINE 28 DAP	2	AS	0.24 oz/a	105 4.9 B 203 12.7 302 5.3 410 0.0 Mean = 5.7
6	ARSENAL POWERLINE 56 DAP	2	AS	0.24 oz/a	106 0.0 C 204 7.9 305 0.0 409 0.0 Mean = 2.0
7	ARSENAL POWERLINE PRE	2	AS	2.4 oz/a	107 12.9 A 205 0.0 306 11.8 408 13.2 Mean = 9.5
8	ARSENAL POWERLINE 28 DAP	2	AS	2.4 oz/a	108 33.2 B 206 21.8 303 46.0 407 13.8 Mean = 28.7
9	ARSENAL POWERLINE 56 DAP	2	AS	2.4 oz/a	109 17.2 C 211 13.2 307 15.1 402 0.0 Mean = 11.4
10	ARSENAL POWERLINE PRE	2	AS	24 oz/a	110 87.0 A 212 87.8 301 80.2 406 84.6 Mean = 84.9

University of Georgia

PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)

Trial ID: PE-10-20 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code	-----
Crop Code	ARAHY
Part Rated	YIELD -
Rating Data Type	LOSS
Rating Unit	PERCENT
Rating Date	Oct-1-20
PRM Data Type	
# Subsamples, Dec.	- 1
Trt Treatment	Form Form Rate Appl
No. Name	Conc Type Rate Unit Code Plot
11 ARSENAL POWERLINE	2 AS 24 oz/a 111
28 DAP	B 209
	310
	404
	Mean =
12 ARSENAL POWERLINE	2 AS 24 oz/a 112
56 DAP	C 201
	309
	412
	Mean =

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PEANUT RESPONSE TO ARSENAL POWERLINE (IMAZAPYR)

Trial ID: PE-10-20 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Part Rated

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

Leaf = LEAF / FOLIAGE

PRM Data Type $T1 = ([C14] + [C15] + [C16] + [C17] + [C18]) / 5$ $T2 = ([C20] + [C21] + [C22] + [C23] + [C24]) / 5$ $T3 = ([C28] + [C29] + [C30] + [C31] + [C32]) / 5$ $T4 = ([C34] + [C35] + [C36] + [C37] + [C38]) / 5$ $T5 = ([40] + [41] + [42] + [43] + [44]) / 5$ $T6 = ([46] + [47] + [48] + [49] + [50]) / 5$ $T7 = [52] * 0.98$ $TY8 = 283.624 * [53]$