

University of Georgia

PEANUT RESPONSE TO ATRAZINE	
Trial ID: PE-02-25	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 Unit	Amt Product to Measure	Diluent	Rep			
								1	2	3	4
1	NO HERBICIDE PRE						-	101	211	306	407
2	NO HERBICIDE 29 DAP						-	102	206	310	411
3	NO HERBICIDE 58 DAP						-	103	210	305	409
4	NO HERBICIDE 93 DAP						-	104	208	301	403
5	AATREX PRE	4 L		32.0 oz/a		25.0 mL/mx	-	105	204	303	410
6	AATREX 29 DAP	4 L		32.0 oz/a		25.0 mL/mx	-	106	212	309	408
7	AATREX 58 DAP	4 L		32.0 oz/a		25.0 mL/mx	-	107	209	311	412
8	AATREX 93 DAP	4 L		32.0 oz/a		25.0 mL/mx	-	108	203	307	404
9	AATREX PRE	4 L		64.0 oz/a		50.0 mL/mx	-	109	202	308	401
10	AATREX 29 DAP	4 L		64.0 oz/a		50.0 mL/mx	-	110	201	302	405
11	AATREX 58 DAP	4 L		64.0 oz/a		50.0 mL/mx	-	111	207	312	406
12	AATREX 93 DAP	4 L		64.0 oz/a		50.0 mL/mx	-	112	205	304	402

Sort Order: Treatment

Trial Comments

USED AGRIDEX @ 1% V/V (15 MLS/1500 MLS FOR ALL POST TREATMENTS).

MAINTAINED WEED-FREE

PROWL @ 32 OZ/A + STRONGARM @ 0.30 OZ/A + VALOR @ 3 OZ/A: PRE (05/01/25)
 CADRE @ 4 OZ/A + DUAL MAGNUM @ 16 OZ/A: POST (06/02/25)

DIGGING DATE: 09/18/25 (142 DAYS)
 HARVEST DATE: 09/23/25
 HARVEST MOISTURE: 8.8%
 YIELDS ADJUSTED TO 10% MOISTURE
 2% YIELD DEDUCTION FOR FM

SUMMARY:

- 1) PRE APPLICATIONS OF ATRAZINE CAUSED LITTLE TO NO PEANUT INJURY.
- 2) ALL POST APPLICATIONS OF ATRAZINE CAUSED SIGNIFICANT PEANUT INJURY IN THE FORM OF STUNTING, CHLOROSIS, AND NECROSIS.
- 3) GENERALLY, 64 OZ/A OF ATRAZINE WAS MORE INJURIOUS THAN 32 OZ/A.
- 4) FOR PEANUT YIELD THERE WAS A SIGNIFICANT INTERACTION BETWEEN ATRAZINE RATE AND TIMING.
- 5) PEANUT YIELD LOSSES WERE AS FOLLOWS:

PRE:
 NONE

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29 DAP:

32 OZ/A: 24%

64 OZ/A: 79%

58 DAP:

32 OZ/A: 51%

64 OZ/A: 67%

93 DAP:

32 OZ/A: 47%

64 OZ/A: 71%

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PEANUT RESPONSE TO ATRAZINE

Trial ID: PE-02-25 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

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

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

TRIAL LOCATION

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

COOPERATOR/LANDOWNER

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

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

Objective:

Conclusions:

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.			

Crop 1: ARAHY PEANUT **Variety:** GA-06G
Planting Date: Apr-30-25 **Planting Method:** MONOSEM
Rate: 3.5 SEED/FT **Depth:** 2 IN **Perennial Age:** _____
Row Spacing: _____ **Spacing Within Row:** _____ **Seed Bed:** _____
Soil Temperature: _____ **Soil Moisture:** _____ **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:

	Previous Crops	Previous Pesticides	Year
1.	FALLOW		2024

MAINTENANCE

Field Prep./Maintenance: 750 LBS/A 5-15-30: PREPLANT
 36"-9" TWIN ROWS
 7.5 LBS/A THIMET 20G INFR
 RANCONA VPD SEED TREATMENT

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

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

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	May-1-25		0.50	IN	SPRINKLER - LATERAL MOVE		
2.	May-9-25		0.47	IN	RAINFALL		
3.	May-10-25		0.11	IN	RAINFALL		
4.	May-11-25		0.42	IN	RAINFALL		
5.	May-15-25		0.50	IN	SPRINKLER - LATERAL MOVE		
6.	May-19-25		0.40	IN	SPRINKLER - LATERAL MOVE		
7.	May-21-25		0.30	IN	RAINFALL		
8.	May-26-25		0.50	IN	SPRINKLER - LATERAL MOVE		
9.	May-26-25		0.12	IN	RAINFALL		
10.	May-27-25		0.10	IN	RAINFALL		
11.	May-28-25		0.09	IN	RAINFALL		
12.	May-29-25		0.70	IN	RAINFALL	5	HAT
13.	Jun-4-25		0.38	IN	RAINFALL		
14.	Jun-5-25		0.57	IN	RAINFALL		
15.	Jun-9-25		0.30	IN	SPRINKLER - LATERAL MOVE		
16.	Jun-9-25		0.40	IN	RAINFALL		
17.	Jun-10-25		0.20	IN	RAINFALL		
18.	Jun-11-25		0.20	IN	RAINFALL		
19.	Jun-13-25		0.50	IN	SPRINKLER - LATERAL MOVE		
20.	Jun-14-25		0.20	IN	RAINFALL		
21.	Jun-15-25		0.65	IN	RAINFALL		
22.	Jun-19-25		0.20	IN	RAINFALL		
23.	Jun-19-25		0.50	IN	SPRINKLER - LATERAL MOVE		
24.	Jun-23-25		0.50	IN	SPRINKLER - LATERAL MOVE		
25.	Jun-26-25		0.65	IN	RAINFALL		

Overall Moisture Conditions:

Closest Weather Station: _____ **Distance:** _____ **Unit:** _____

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PEANUT RESPONSE TO ATRAZINE

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APPLICATION DESCRIPTION

	A	B	C	D
Application Date:	May-1-25	May-29-25	Jun-27-25	Aug-1-25
Time of Day:	6:30 AM	6:35 AM	6:45 AM	6:30 AM
Application Method:	BROADCAST	BROADCAST	BROADCAST	BROADCAST
Application Timing:	PRE	29 DAP	58 DAP	93 DAP
Applic. Placement:	SOIL	FOLIAGE	FOLIAGE	FOLIAGE
Air Temp., Unit:	63 F	70 F	71 F	77 F
% Relative Humidity:	91	96	96	99
Wind Velocity, Unit:	0 MPH	0 MPH	0 MPH	0 MPH
Dew Presence (Y/N):	N	Y	Y	Y
Water Hardness:	--	--	--	--
Soil Temp., Unit:	70 F	72 F	76 F	81 F
Soil Moisture:	OPTIMUM	OPTIMUM	OPTIMUM	OPTIMUM
% Cloud Cover:	0	65	10	0

CROP STAGE AT EACH APPLICATION

	A	B	C	D
Crop 1 Code, Stage:	ARAHY,	ARAHY,	ARAHY,	ARAHY,
Stage Scale:		R1	R3-R4	R6
Height, Unit:		5, IN	9, IN	21, IN

WEED STAGE AT EACH APPLICATION

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

APPLICATION EQUIPMENT

	A	B	C	D
Appl. Equipment:	BACKPACK	SAME AS A	SAME AS A	SAME AS A
Operating Pressure:	38			
Nozzle Type:	AIXR			
Nozzle Size:	11002			
Nozzle Spacing, Unit:	20 IN			
Nozzles/Row:				
Band Width, Unit:				
Boom Length, Unit:	20 IN			
Boom Height, Unit:	20 IN			
Ground Speed, Unit:	3.5 MPH			
Incorporation Equip.:				
Hours to Incorp.:				
Incorp. Depth, Unit:				
Carrier:	WATER			
Spray Volume, Unit:	15 GPA			
Spray pH:				
Propellant:	CO2			
Tank Mix (Y/N):				

Trt No	Treatment Application Comment

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Crop Code	Arahy Stunting %	Arahy Necrosis %	Arshy Chlorosis %	Arahy Stunting %	Arahy Chlorosis %	Arahy Necrosis %	Arahy Stunting %	Arahy Necrosis %
Rating Data Type	Jun-3-25	Jun-3-25	Jun-3-25	Jun-11-25	Jun-11-25	Jun-11-25	Jun-23-25	Jun-23-25
Rating Unit								
Rating Date								
Trt Treatment Form Form Rate	1	2	3	4	5	6	7	8
No. Name Conc Type Rate Unit								
TABLE OF R MEANS								
Replicate 1	2.1	2.9	4.2	10.4	3.3	9.6	11.3	0.8
Replicate 2	3.3	2.9	4.2	9.6	5.0	8.3	10.4	0.8
Replicate 3	2.1	2.9	5.0	11.3	5.8	9.6	10.4	0.8
Replicate 4	2.1	3.3	4.6	11.7	5.8	10.0	11.3	0.8
TABLE OF A (RATE) MEANS								
1 NO HERBICIDE	0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	0.0 na
2 AATREX 4 L 32.0 oz/a	2.8 b	3.8 b	5.9 b	11.3 b	9.4 a	7.2 b	11.3 b	0.0 na
3 AATREX 4 L 64.0 oz/a	4.4 a	5.3 a	7.5 a	20.9 a	5.6 b	20.9 a	21.3 a	2.5 na
LSD P=.10	0.86	0.50	0.95	1.37	3.29	1.11	1.15	.
Standard Deviation	1.25	0.72	1.38	2.00	4.79	1.61	1.67	0.00
CV	52.17	23.89	30.85	18.62	95.74	17.21	15.38	0.00
TABLE OF B (TIMING) MEANS								
1 PRE	0.8 b	0.0 b	0.0 b	0.0 b	0.0 b	0.0 b	0.0 b	0.0 na
2 29 DAP	8.8 a	12.1 a	17.9 a	42.9 a	20.0 a	37.5 a	43.3 a	3.3 na
3 58 DAP	0.0 b	0.0 b	0.0 b	0.0 b	0.0 b	0.0 b	0.0 b	0.0 na
4 93 DAP	0.0 b	0.0 b	0.0 b	0.0 b	0.0 b	0.0 b	0.0 b	0.0 na
LSD P=.10	1.03	0.54	1.03	2.40	3.06	1.87	1.25	.
Standard Deviation	1.38	0.72	1.38	3.20	4.08	2.50	1.67	0.00
CV	57.68	23.89	30.85	29.83	81.65	26.67	15.38	0.00
TABLE OF A (RATE) B (TIMING) MEANS								
1 NO HERBICIDE	0.0 d	0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	0.0 na
1 PRE								
2 AATREX 4 L 32.0 oz/a	0.0 d	0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	0.0 na
1 PRE								
3 AATREX 4 L 64.0 oz/a	2.5 c	0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	0.0 na
1 PRE								
1 NO HERBICIDE	0.0 d	0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	0.0 na
2 29 DAP								
2 AATREX 4 L 32.0 oz/a	11.3 b	15.0 b	23.8 b	45.0 b	37.5 a	28.8 b	45.0 b	0.0 na
2 29 DAP								
3 AATREX 4 L 64.0 oz/a	15.0 a	21.3 a	30.0 a	83.8 a	22.5 b	83.8 a	85.0 a	10.0 na
2 29 DAP								
1 NO HERBICIDE	0.0 d	0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	0.0 na
3 58 DAP								
2 AATREX 4 L 32.0 oz/a	0.0 d	0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	0.0 na
3 58 DAP								
3 AATREX 4 L 64.0 oz/a	0.0 d	0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	0.0 na
3 58 DAP								
1 NO HERBICIDE	0.0 d	0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	0.0 na
4 93 DAP								
2 AATREX 4 L 32.0 oz/a	0.0 d	0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	0.0 na
4 93 DAP								
3 AATREX 4 L 64.0 oz/a	0.0 d	0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	0.0 c	0.0 na
4 93 DAP								

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Mean separation letters are 'na' (not applicable) when error variance is 0

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PEANUT RESPONSE TO ATRAZINE									
Trial ID: PE-02-25		Study Dir.:							
Location: PONDER FARM		Investigator: Eric P. Prostko							
Crop Code	Arahy Stunting	Arahy Necrosis	Arshy Chlorosis	Arahy Stunting	Arahy Chlorosis	Arahy Necrosis	Arahy Stunting	Arahy Necrosis	
Rating Data Type	%	%	%				%	%	
Rating Unit									
Rating Date	Jun-3-25	Jun-3-25	Jun-3-25	Jun-11-25	Jun-11-25	Jun-11-25	Jun-23-25	Jun-23-25	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	1	2	3	4
						1	2	3	4
LSD	P=.10					2.11	0.88	1.69	2.45
Standard Deviation						1.72	0.72	1.38	2.00
CV						71.71	23.89	30.85	18.62
									5.87
									4.79
									1.98
									1.61
									1.67
									0.00
									0.00

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PEANUT RESPONSE TO ATRAZINE

Trial ID: PE-02-25 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Crop Code	Arahy Loss	Arahy Stunting	Arahy Necrosis	Arahy Chlorosis	Arahy Loss	Arahy Stunting	Arahy Necrosis	Arahy Chlorosis
Rating Data Type	%	%	%	%	%	%	%	%
Rating Unit								
Rating Date	Jun-23-25	Jun-30-25	Jun-30-25	Jun-30-25	Jun-30-25	Jul-9-25	Jul-9-25	Jul-9-25
Trt Treatment Form Form Rate								
No. Name Conc Type Rate Unit	9	10	11	12	13	14	15	16
TABLE OF R MEANS								
Replicate 1	7.5	10.8	0.8	3.3	7.5	13.3	5.0	10.8
Replicate 2	7.1	11.7	0.8	3.3	7.5	12.5	5.0	10.4
Replicate 3	7.9	11.3	0.8	3.3	7.5	10.4	5.4	10.4
Replicate 4	8.8	12.1	0.8	4.2	8.8	13.8	5.4	10.4
TABLE OF A (RATE) MEANS								
1 NO HERBICIDE	0.0 c	0.0 c	0.0 na	0.0 b	0.0 c	0.0 c	0.0 c	0.0 c
2 AATREX 4 L 32.0 oz/a	4.4 b	13.8 b	1.3 na	5.6 a	3.4 b	12.2 b	5.9 b	16.3 a
3 AATREX 4 L 64.0 oz/a	19.1 a	20.6 a	1.3 na	5.0 a	20.0 a	25.3 a	9.7 a	15.3 b
LSD P=.10	1.83	1.28	.	0.99	1.11	2.08	0.76	0.50
Standard Deviation	2.67	1.86	0.00	1.44	1.61	3.03	1.10	0.72
CV	34.15	16.26	0.00	40.75	20.66	24.27	21.17	6.86
TABLE OF B (TIMING) MEANS								
1 PRE	0.0 b	0.8 b	0.0 na	0.0 b	0.0 b	0.0 c	0.0 b	0.0 b
2 29 DAP	31.3 a	43.8 a	0.0 na	0.8 b	31.3 a	37.9 a	0.0 b	0.0 b
3 58 DAP	0.0 b	0.0 b	3.3 na	13.3 a	0.0 b	12.1 b	20.8 a	42.1 a
4 93 DAP	0.0 b	1.3 b	0.0 na	0.0 b	0.0 b	0.0 c	0.0 b	0.0 b
LSD P=.10	1.84	1.65	.	1.08	1.62	3.81	0.62	0.54
Standard Deviation	2.47	2.20	0.00	1.44	2.17	5.09	0.83	0.72
CV	31.55	19.24	0.00	40.75	27.71	40.73	16.00	6.86
TABLE OF A (RATE) B (TIMING) MEANS								
1 NO HERBICIDE	0.0 c	0.0 c	0.0 na	0.0 c	0.0 c	0.0 e	0.0 c	0.0 c
1 PRE								
2 AATREX 4 L 32.0 oz/a	0.0 c	2.5 c	0.0 na	0.0 c	0.0 c	0.0 e	0.0 c	0.0 c
1 PRE								
3 AATREX 4 L 64.0 oz/a	0.0 c	0.0 c	0.0 na	0.0 c	0.0 c	0.0 e	0.0 c	0.0 c
1 PRE								
1 NO HERBICIDE	0.0 c	0.0 c	0.0 na	0.0 c	0.0 c	0.0 e	0.0 c	0.0 c
2 29 DAP								
2 AATREX 4 L 32.0 oz/a	17.5 b	50.0 b	0.0 na	2.5 b	13.8 b	35.0 b	0.0 c	0.0 c
2 29 DAP								
3 AATREX 4 L 64.0 oz/a	76.3 a	81.3 a	0.0 na	0.0 c	80.0 a	78.8 a	0.0 c	0.0 c
2 29 DAP								
1 NO HERBICIDE	0.0 c	0.0 c	0.0 na	0.0 c	0.0 c	0.0 e	0.0 c	0.0 c
3 58 DAP								
2 AATREX 4 L 32.0 oz/a	0.0 c	0.0 c	5.0 na	20.0 a	0.0 c	13.8 d	23.8 b	65.0 a
3 58 DAP								
3 AATREX 4 L 64.0 oz/a	0.0 c	0.0 c	5.0 na	20.0 a	0.0 c	22.5 c	38.8 a	61.3 b
3 58 DAP								
1 NO HERBICIDE	0.0 c	0.0 c	0.0 na	0.0 c	0.0 c	0.0 e	0.0 c	0.0 c
4 93 DAP								
2 AATREX 4 L 32.0 oz/a	0.0 c	2.5 c	0.0 na	0.0 c	0.0 c	0.0 e	0.0 c	0.0 c
4 93 DAP								
3 AATREX 4 L 64.0 oz/a	0.0 c	1.3 c	0.0 na	0.0 c	0.0 c	0.0 e	0.0 c	0.0 c
4 93 DAP								

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
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Location: PONDER FARM		Investigator: Eric P. Prostko											
Crop Code	Arahy Loss	Arahy Stunting	Arahy Necrosis	Arahy Chlorosis	Arahy Loss	Arahy Stunting	Arahy Necrosis	Arahy Chlorosis					
Rating Data Type	%	%	%	%	%	%	%	%	%				
Rating Unit													
Rating Date	Jun-23-25	Jun-30-25	Jun-30-25	Jun-30-25	Jun-30-25	Jul-9-25	Jul-9-25	Jul-9-25	Jul-9-25				
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	9	10	11	12	13	14	15	16
LSD	P=.10					3.27	3.07	.	1.77	1.98	4.03	1.35	0.88
Standard Deviation						2.67	2.50	0.00	1.44	1.61	3.29	1.10	0.72
CV						34.15	21.82	0.00	40.75	20.66	26.32	21.17	6.86

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
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Crop Code	Arahy Loss	Arahy Stunting	Arahy Chlorosis	Arahy Necrosis	Arahy Stunting	Arahy Chlorosis	Arahy Necrosis	Arahy Stunting
Rating Data Type	%	%	%	%	%	%	%	%
Rating Unit	Jul-9-25	Jul-22-25	Jul-22-25	Jul-22-25	Aug-6-25	Aug-6-25	Aug-6-25	Aug-18-25
Rating Date								
Trt Treatment Form Form Rate	17	18	19	20	21	22	23	24
No. Name Conc Type Rate Unit								
TABLE OF R MEANS								
Replicate 1	6.7	15.0	2.9	3.3	12.5	2.9	0.8	12.9
Replicate 2	7.1	13.3	3.3	2.9	12.9	4.2	0.8	11.7
Replicate 3	7.5	11.7	3.3	2.9	12.9	4.2	0.8	10.0
Replicate 4	7.9	12.5	3.3	3.3	12.9	4.2	1.7	13.3
TABLE OF A (RATE) MEANS								
1 NO HERBICIDE	0.0 c	0.0 c	0.0 b	0.0 c	0.0 c	0.0 b	0.0 b	0.0 c
2 AATREX 4 L 32.0 oz/a	2.5 b	10.9 b	4.7 a	1.9 b	10.9 b	5.6 a	0.6 b	8.8 b
3 AATREX 4 L 64.0 oz/a	19.4 a	28.4 a	5.0 a	7.5 a	27.5 a	5.9 a	2.5 a	27.2 a
LSD P=.10	1.62	1.69	0.50	0.57	1.11	0.86	0.99	1.96
Standard Deviation	2.36	2.47	0.72	0.83	1.61	1.25	1.44	2.86
CV	32.32	18.78	22.35	26.67	12.60	32.43	138.56	23.85
TABLE OF B (TIMING) MEANS								
1 PRE	0.0 b	0.0 c	0.0 b	0.0 b	0.8 b	0.0 c	0.0 b	0.8 c
2 29 DAP	28.8 a	29.2 a	0.0 b	0.0 b	26.3 a	0.0 c	0.0 b	21.3 a
3 58 DAP	0.4 b	23.3 b	12.9 a	12.5 a	22.9 a	5.4 b	4.2 a	17.1 a
4 93 DAP	0.0 b	0.0 c	0.0 b	0.0 b	1.3 b	10.0 a	0.0 b	8.8 b
LSD P=.10	1.80	2.72	0.54	0.62	4.50	1.62	1.08	4.29
Standard Deviation	2.41	3.63	0.72	0.83	6.01	2.17	1.44	5.74
CV	32.99	27.68	22.35	26.67	46.94	56.17	138.56	47.90
TABLE OF A (RATE) B (TIMING) MEANS								
1 NO HERBICIDE	0.0 c	0.0 e	0.0 c	0.0 c	0.0 e	0.0 c	0.0 c	0.0 e
1 PRE								
2 AATREX 4 L 32.0 oz/a	0.0 c	0.0 e	0.0 c	0.0 c	2.5 e	0.0 c	0.0 c	0.0 e
1 PRE								
3 AATREX 4 L 64.0 oz/a	0.0 c	0.0 e	0.0 c	0.0 c	0.0 e	0.0 c	0.0 c	2.5 de
1 PRE								
1 NO HERBICIDE	0.0 c	0.0 e	0.0 c	0.0 c	0.0 e	0.0 c	0.0 c	0.0 e
2 29 DAP								
2 AATREX 4 L 32.0 oz/a	10.0 b	17.5 d	0.0 c	0.0 c	12.5 d	0.0 c	0.0 c	6.3 d
2 29 DAP								
3 AATREX 4 L 64.0 oz/a	76.3 a	70.0 a	0.0 c	0.0 c	66.3 a	0.0 c	0.0 c	57.5 a
2 29 DAP								
1 NO HERBICIDE	0.0 c	0.0 e	0.0 c	0.0 c	0.0 e	0.0 c	0.0 c	0.0 e
3 58 DAP								
2 AATREX 4 L 32.0 oz/a	0.0 c	26.3 c	18.8 b	7.5 b	26.3 c	7.5 b	2.5 b	16.3 c
3 58 DAP								
3 AATREX 4 L 64.0 oz/a	1.3 c	43.8 b	20.0 a	30.0 a	42.5 b	8.8 b	10.0 a	35.0 b
3 58 DAP								
1 NO HERBICIDE	0.0 c	0.0 e	0.0 c	0.0 c	0.0 e	0.0 c	0.0 c	0.0 e
4 93 DAP								
2 AATREX 4 L 32.0 oz/a	0.0 c	0.0 e	0.0 c	0.0 c	2.5 e	15.0 a	0.0 c	12.5 c
4 93 DAP								
3 AATREX 4 L 64.0 oz/a	0.0 c	0.0 e	0.0 c	0.0 c	1.3 e	15.0 a	0.0 c	13.8 c
4 93 DAP								

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
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 Mean separation letters are 'na' (not applicable) when error variance is 0

University of Georgia

PEANUT RESPONSE TO ATRAZINE

Trial ID: PE-02-25 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Crop Code	Arahy Loss	Arahy Stunting	Arahy Chlorosis	Arahy Necrosis	Arahy Stunting	Arahy Chlorosis	Arahy Necrosis	Arahy Stunting
Rating Data Type	%	%	%	%	%	%	%	%
Rating Unit	Jul-9-25	Jul-22-25	Jul-22-25	Jul-22-25	Aug-6-25	Aug-6-25	Aug-6-25	Aug-18-25
Rating Date								
Trt No.	17	18	19	20	21	22	23	24
Treatment Name								
Form Conc								
Form Type								
Rate								
Unit								
LSD P=.10	4.00	3.92	0.88	1.02	5.12	1.53	1.77	5.82
Standard Deviation	3.26	3.20	0.72	0.83	4.17	1.25	1.44	4.74
CV	44.75	24.38	22.35	26.67	32.57	32.43	138.56	39.61

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 Mean separation letters are 'na' (not applicable) when error variance is 0

University of Georgia

PEANUT RESPONSE TO ATRAZINE

Trial ID: PE-02-25 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Crop Code	Arahy Chlorosis	Arahy Necrosis	Arahy Stunting	Arahy Chlorosis	Arahy Necrosis	Arahy Stunting	Arahy Chlorosis	Arahy Necrosis
Rating Data Type	%	%	%	%	%	%	%	%
Rating Unit	Aug-18-25	Aug-18-25	Aug-27-25	Aug-27-25	Aug-27-25	Sep-9-25	Sep-9-25	Sep-9-25
Rating Date								
Trt No.	25	26	27	28	29	30	31	32
Treatment Name								
Form Conc								
Form Type								
Rate								
Rate Unit								
TABLE OF R MEANS								
Replicate 1	3.8	4.2	12.9	5.8	5.8	12.5	4.2	5.8
Replicate 2	5.0	4.2	11.3	8.8	6.7	10.8	6.3	5.4
Replicate 3	3.3	4.2	11.7	6.3	6.3	11.3	5.0	6.3
Replicate 4	3.3	5.4	14.2	5.0	6.3	13.3	5.8	5.8
TABLE OF A (RATE) MEANS								
1 NO HERBICIDE	0.0 b	0.0 c	0.0 c	0.0 b	0.0 c	0.0 c	0.0 c	0.0 c
2 AATREX 4 L 32.0 oz/a	5.6 a	3.1 b	8.8 b	10.6 a	4.1 b	7.5 b	6.9 b	3.8 b
3 AATREX 4 L 64.0 oz/a	5.9 a	10.3 a	28.8 a	8.8 a	14.7 a	28.4 a	9.1 a	13.8 a
LSD P=.10	1.03	1.31	3.44	2.62	1.54	2.12	1.54	0.81
Standard Deviation	1.50	1.91	5.00	3.82	2.24	3.09	2.24	1.18
CV	38.98	42.63	40.00	59.13	35.90	25.80	42.24	20.20
TABLE OF B (TIMING) MEANS								
1 PRE	0.0 c	0.0 c	0.0 d	0.8 c	0.0 c	0.0 c	0.0 c	0.0 c
2 29 DAP	0.0 c	0.0 c	22.9 a	0.8 c	0.0 c	20.0 a	0.0 c	0.0 c
3 58 DAP	2.1 b	2.1 b	15.8 b	6.7 b	4.6 b	15.4 ab	3.8 b	3.3 b
4 93 DAP	13.3 a	15.8 a	11.3 c	17.5 a	20.4 a	12.5 b	17.5 a	20.0 a
LSD P=.10	2.04	1.77	3.74	1.39	1.25	4.99	2.04	0.88
Standard Deviation	2.73	2.37	5.00	1.86	1.67	6.67	2.73	1.18
CV	70.89	52.90	40.00	28.85	26.67	55.69	51.43	20.20
TABLE OF A (RATE) B (TIMING) MEANS								
1 NO HERBICIDE	0.0 c	0.0 d	0.0 d	0.0 d	0.0 d	0.0 e	0.0 d	0.0 d
1 PRE								
2 AATREX 4 L 32.0 oz/a	0.0 c	0.0 d	0.0 d	2.5 d	0.0 d	0.0 e	0.0 d	0.0 d
1 PRE								
3 AATREX 4 L 64.0 oz/a	0.0 c	0.0 d	0.0 d	0.0 d	0.0 d	0.0 e	0.0 d	0.0 d
1 PRE								
1 NO HERBICIDE	0.0 c	0.0 d	0.0 d	0.0 d	0.0 d	0.0 e	0.0 d	0.0 d
2 29 DAP								
2 AATREX 4 L 32.0 oz/a	0.0 c	0.0 d	6.3 d	0.0 d	0.0 d	2.5 e	0.0 d	0.0 d
2 29 DAP								
3 AATREX 4 L 64.0 oz/a	0.0 c	0.0 d	62.5 a	2.5 d	0.0 d	57.5 a	0.0 d	0.0 d
2 29 DAP								
1 NO HERBICIDE	0.0 c	0.0 d	0.0 d	0.0 d	0.0 d	0.0 e	0.0 d	0.0 d
3 58 DAP								
2 AATREX 4 L 32.0 oz/a	2.5 b	0.0 d	15.0 c	10.0 c	1.3 d	12.5 d	0.0 d	0.0 d
3 58 DAP								
3 AATREX 4 L 64.0 oz/a	3.8 b	6.3 c	32.5 b	10.0 c	12.5 c	33.8 b	11.3 c	10.0 c
3 58 DAP								
1 NO HERBICIDE	0.0 c	0.0 d	0.0 d	0.0 d	0.0 d	0.0 e	0.0 d	0.0 d
4 93 DAP								
2 AATREX 4 L 32.0 oz/a	20.0 a	12.5 b	13.8 c	30.0 a	15.0 b	15.0 d	27.5 a	15.0 b
4 93 DAP								
3 AATREX 4 L 64.0 oz/a	20.0 a	35.0 a	20.0 c	22.5 b	46.3 a	22.5 c	25.0 b	45.0 a
4 93 DAP								

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PEANUT RESPONSE TO ATRAZINE													
Trial ID: PE-02-25		Study Dir.:											
Location: PONDER FARM		Investigator: Eric P. Prostko											
Crop Code	Arahy Chlorosis	Arahy Necrosis	Arahy Stunting	Arahy Chlorosis	Arahy Necrosis	Arahy Stunting	Arahy Chlorosis	Arahy Necrosis	Arahy				
Rating Data Type	Chlorosis	Necrosis	Stunting	Chlorosis	Necrosis	Stunting	Chlorosis	Necrosis					
Rating Unit	%	%	%	%	%	%	%	%	%				
Rating Date	Aug-18-25	Aug-18-25	Aug-27-25	Aug-27-25	Aug-27-25	Sep-9-25	Sep-9-25	Sep-9-25					
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	25	26	27	28	29	30	31	32
LSD	P=.10					1.84	2.99	6.46	3.68	2.11	7.44	2.34	1.45
Standard Deviation						1.50	2.44	5.27	3.00	1.72	6.07	1.91	1.18
CV						38.98	54.51	42.16	46.52	27.49	50.68	35.94	20.20

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PEANUT RESPONSE TO ATRAZINE						
Trial ID: PE-02-25		Study Dir.:				
Location: PONDER FARM		Investigator: Eric P. Prostko				
Crop Code	Rating Data Type	Rating Unit	Rating Date	ARAHY YLD-DIRTY LBS/PLOT Sep-23-25	ARAHY YLD-CLEAN LBS/PLOT Sep-23-25	ARAHY YIELD LBS/A Sep-23-25
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit		
					33	34
						35
TABLE OF R MEANS						
Replicate 1				16.83	16.5	4855
Replicate 2				16.43	16.1	4737
Replicate 3				16.43	16.1	4739
Replicate 4				15.60	15.3	4499
TABLE OF A (RATE) MEANS						
1 NO HERBICIDE				22.89 a	22.4 a	6602 a
2	AATREX	4 L	32.0 oz/a	15.80 b	15.5 b	4557 b
3	AATREX	4 L	64.0 oz/a	10.28 c	10.1 c	2963 c
LSD P=.10				1.044	1.02	301.1
Standard Deviation				1.520	1.49	438.3
CV				9.311	9.31	9.3
TABLE OF B (TIMING) MEANS						
1 PRE				23.03 a	22.6 a	6640 a
2	29 DAP			15.18 b	14.9 b	4376 b
3	58 DAP			14.22 c	13.9 c	4100 c
4	93 DAP			12.88 d	12.6 d	3713 d
LSD P=.10				0.918	0.90	264.8
Standard Deviation				1.227	1.20	353.8
CV				7.517	7.52	7.5
TABLE OF A (RATE) B (TIMING) MEANS						
1 NO HERBICIDE				23.80 a	23.3 a	6864 a
1	PRE					
2	AATREX	4 L	32.0 oz/a	22.95 ab	22.5 ab	6618 ab
3	AATREX	4 L	64.0 oz/a	22.33 ab	21.9 ab	6438 ab
1	PRE					
1	NO HERBICIDE			23.03 ab	22.6 ab	6640 ab
2	29 DAP					
2	AATREX	4 L	32.0 oz/a	17.58 c	17.2 c	5068 c
2	29 DAP					
3	AATREX	4 L	64.0 oz/a	4.93 f	4.8 f	1420 f
2	29 DAP					
1	NO HERBICIDE			23.48 ab	23.0 ab	6770 ab
3	58 DAP					
2	AATREX	4 L	32.0 oz/a	11.40 d	11.2 d	3288 d
3	58 DAP					
3	AATREX	4 L	64.0 oz/a	7.78 e	7.6 e	2242 e
3	58 DAP					
1	NO HERBICIDE			21.28 b	20.8 b	6135 b
4	93 DAP					
2	AATREX	4 L	32.0 oz/a	11.28 d	11.0 d	3252 d
4	93 DAP					
3	AATREX	4 L	64.0 oz/a	6.08 ef	6.0 ef	1752 ef
4	93 DAP					

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 Mean separation letters are 'na' (not applicable) when error variance is 0

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PEANUT RESPONSE TO ATRAZINE

Trial ID: PE-02-25 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Crop Code	ARAHY	ARAHY	ARAHY
Rating Data Type	YLD-DIRTY	YLD-CLEAN	YIELD
Rating Unit	LBS/PLOT	LBS/PLOT	LBS/A
Rating Date	Sep-23-25	Sep-23-25	Sep-23-25
Trt. Treatment			
No. Name			
Form Conc			
Form Type			
Rate			
Unit			
	33	34	35
LSD P=.10	2.361	2.31	681.0
Standard Deviation	1.926	1.89	555.4
CV	11.799	11.80	11.8

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
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 Mean separation letters are 'na' (not applicable) when error variance is 0

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PEANUT RESPONSE TO ATRAZINE						
Trial ID: PE-02-25		Study Dir.:				
Location: PONDER FARM		Investigator: Eric P. Prostko				

COMPLETE FACTORIAL AOV For Arahy Stunting % Jun-3-25 (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	1249.479167				
R	3	14.062500	4.687500	1.588	0.2271	
A	2	157.291667	78.645833	50.333	0.0002	0.9
RA	6	9.375000	1.562500			
B	3	651.562500	217.187500	113.727	0.0001	1.0
RB	9	17.187500	1.909722			
AB	6	346.875000	57.812500	19.588	0.0001	2.1
RAB	18	53.125000	2.951389			

COMPLETE FACTORIAL AOV For Arahy Necrosis % Jun-3-25 (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	2286.979167				
R	3	1.562500	0.520833	1.000	0.4155	
A	2	238.541667	119.270833	229.000	0.0001	0.5
RA	6	3.125000	0.520833			
B	3	1314.062500	438.020833	841.000	0.0001	0.5
RB	9	4.687500	0.520833			
AB	6	715.625000	119.270833	229.000	0.0001	0.9
RAB	18	9.375000	0.520833			

COMPLETE FACTORIAL AOV For Arshy Chlorosis % Jun-3-25 (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	4961.979167				
R	3	5.729167	1.909722	1.000	0.4155	
A	2	501.041667	250.520833	131.182	0.0001	0.9
RA	6	11.458333	1.909722			
B	3	2889.062500	963.020833	504.273	0.0001	1.0
RB	9	17.187500	1.909722			
AB	6	1503.125000	250.520833	131.182	0.0001	1.7
RAB	18	34.375000	1.909722			

COMPLETE FACTORIAL AOV For Arahy Stunting Jun-11-25 (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	30849.479167				
R	3	30.729167	10.243056	2.565	0.0867	
A	2	3513.541667	1756.770833	439.957	0.0001	1.4
RA	6	23.958333	3.993056			
B	3	16576.562500	5525.520833	539.441	0.0001	2.4
RB	9	92.187500	10.243056			
AB	6	10540.625000	1756.770833	439.957	0.0001	2.5
RAB	18	71.875000	3.993056			

COMPLETE FACTORIAL AOV For Arahy Chlorosis Jun-11-25 (Data Column 5)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	7200.000000				
R	3	50.000000	16.666667	0.727	0.5489	
A	2	712.500000	356.250000	15.545	0.0042	3.3
RA	6	137.500000	22.916667			
B	3	3600.000000	1200.000000	72.000	0.0001	3.1
RB	9	150.000000	16.666667			
AB	6	2137.500000	356.250000	15.545	0.0001	5.9
RAB	18	412.500000	22.916667			

COMPLETE FACTORIAL AOV For Arahy Necrosis Jun-11-25 (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	27281.250000				
R	3	18.750000	6.250000	2.400	0.1016	
A	2	3621.875000	1810.937500	695.400	0.0001	1.1
RA	6	15.625000	2.604167			
B	3	12656.250000	4218.750000	675.000	0.0001	1.9
RB	9	56.250000	6.250000			
AB	6	10865.625000	1810.937500	695.400	0.0001	2.0
RAB	18	46.875000	2.604167			

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
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 Mean separation letters are 'na' (not applicable) when error variance is 0

University of Georgia

PEANUT RESPONSE TO ATRAZINE						
Trial ID: PE-02-25		Study Dir.:				
Location: PONDER FARM		Investigator: Eric P. Prostko				

COMPLETE FACTORIAL AOV For Arazy Stunting % Jun-23-25 (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	31466.666667				
R	3	8.333333	2.777778	1.000	0.4155	
A	2	3616.666667	1808.333333	651.000	0.0001	1.1
RA	6	16.666667	2.777778			
B	3	16900.000000	5633.333333	2028.000	0.0001	1.2
RB	9	25.000000	2.777778			
AB	6	10850.000000	1808.333333	651.000	0.0001	2.0
RAB	18	50.000000	2.777778			

COMPLETE FACTORIAL AOV For Arazy Necrosis % Jun-23-25 (Data Column 8)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	366.666667				
R	3	0.000000	0.000000	NaN	NaN	
A	2	66.666667	33.333333	NaN	NaN	.
RA	6	0.000000	0.000000			
B	3	100.000000	33.333333	NaN	NaN	.
RB	9	0.000000	0.000000			
AB	6	200.000000	33.333333	NaN	NaN	.
RAB	18	0.000000	0.000000			

COMPLETE FACTORIAL AOV For Arazy Loss % Jun-23-25 (Data Column 9)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	21795.312500				
R	3	18.229167	6.076389	0.854	0.4828	
A	2	3190.625000	1595.312500	224.122	0.0001	1.8
RA	6	42.708333	7.118056			
B	3	8789.062500	2929.687500	482.143	0.0001	1.8
RB	9	54.687500	6.076389			
AB	6	9571.875000	1595.312500	224.122	0.0001	3.3
RAB	18	128.125000	7.118056			

COMPLETE FACTORIAL AOV For Arazy Stunting % Jun-30-25 (Data Column 10)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	30347.916667				
R	3	10.416667	3.472222	0.556	0.6510	
A	2	3529.166667	1764.583333	508.200	0.0001	1.3
RA	6	20.833333	3.472222			
B	3	16693.750000	5564.583333	1144.714	0.0001	1.6
RB	9	43.750000	4.861111			
AB	6	9937.500000	1656.250000	265.000	0.0001	3.1
RAB	18	112.500000	6.250000			

COMPLETE FACTORIAL AOV For Arazy Necrosis % Jun-30-25 (Data Column 11)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	166.666667				
R	3	0.000000	0.000000	NaN	NaN	
A	2	16.666667	8.333333	NaN	NaN	.
RA	6	0.000000	0.000000			
B	3	100.000000	33.333333	NaN	NaN	.
RB	9	0.000000	0.000000			
AB	6	50.000000	8.333333	NaN	NaN	.
RAB	18	0.000000	0.000000			

COMPLETE FACTORIAL AOV For Arazy Chlorosis % Jun-30-25 (Data Column 12)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	2697.916667				
R	3	6.250000	2.083333	1.000	0.4155	
A	2	304.166667	152.083333	73.000	0.0001	1.0
RA	6	12.500000	2.083333			
B	3	1539.583333	513.194444	246.333	0.0001	1.1
RB	9	18.750000	2.083333			
AB	6	779.166667	129.861111	62.333	0.0001	1.8
RAB	18	37.500000	2.083333			

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University of Georgia

PEANUT RESPONSE TO ATRAZINE						
Trial ID: PE-02-25		Study Dir.:				
Location: PONDER FARM		Investigator: Eric P. Prostko				

COMPLETE FACTORIAL AOV For Arazy Loss % Jun-30-25 (Data Column 13)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	23545.312500				
R	3	14.062500	4.687500	1.800	0.1833	
A	2	3659.375000	1829.687500	702.600	0.0001	1.1
RA	6	15.625000	2.604167			
B	3	8789.062500	2929.687500	625.000	0.0001	1.6
RB	9	42.187500	4.687500			
AB	6	10978.125000	1829.687500	702.600	0.0001	2.0
RAB	18	46.875000	2.604167			

COMPLETE FACTORIAL AOV For Arazy Stunting % Jul-9-25 (Data Column 14)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	25550.000000				
R	3	79.166667	26.388889	2.439	0.0979	
A	2	5128.125000	2564.062500	278.660	0.0001	2.1
RA	6	55.208333	9.201389			
B	3	11504.166667	3834.722222	147.911	0.0001	3.8
RB	9	233.333333	25.925926			
AB	6	8355.208333	1392.534722	128.679	0.0001	4.0
RAB	18	194.791667	10.821759			

COMPLETE FACTORIAL AOV For Arazy Necrosis % Jul-9-25 (Data Column 15)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	6997.916667				
R	3	2.083333	0.694444	0.571	0.6410	
A	2	763.541667	381.770833	314.143	0.0001	0.8
RA	6	7.291667	1.215278			
B	3	3906.250000	1302.083333	1875.000	0.0001	0.6
RB	9	6.250000	0.694444			
AB	6	2290.625000	381.770833	314.143	0.0001	1.4
RAB	18	21.875000	1.215278			

COMPLETE FACTORIAL AOV For Arazy Chlorosis % Jul-9-25 (Data Column 16)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	26611.979167				
R	3	1.562500	0.520833	1.000	0.4155	
A	2	2663.541667	1331.770833	2557.000	0.0001	0.5
RA	6	3.125000	0.520833			
B	3	15939.062500	5313.020833	10201.000	0.0001	0.5
RB	9	4.687500	0.520833			
AB	6	7990.625000	1331.770833	2557.000	0.0001	0.9
RAB	18	9.375000	0.520833			

COMPLETE FACTORIAL AOV For Arazy Loss % Jul-9-25 (Data Column 17)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	21397.916667				
R	3	10.416667	3.472222	0.326	0.8065	
A	2	3554.166667	1777.083333	319.875	0.0001	1.6
RA	6	33.333333	5.555556			
B	3	7368.750000	2456.250000	424.440	0.0001	1.8
RB	9	52.083333	5.787037			
AB	6	10187.500000	1697.916667	159.457	0.0001	4.0
RAB	18	191.666667	10.648148			

COMPLETE FACTORIAL AOV For Arazy Stunting % Jul-22-25 (Data Column 18)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	23381.250000				
R	3	72.916667	24.305556	2.373	0.1042	
A	2	6584.375000	3292.187500	541.800	0.0001	1.7
RA	6	36.458333	6.076389			
B	3	8472.916667	2824.305556	214.053	0.0001	2.7
RB	9	118.750000	13.194444			
AB	6	7911.458333	1318.576389	128.729	0.0001	3.9
RAB	18	184.375000	10.243056			

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 Mean separation letters are 'na' (not applicable) when error variance is 0

University of Georgia

PEANUT RESPONSE TO ATRAZINE						
Trial ID: PE-02-25		Study Dir.:				
Location: PONDER FARM		Investigator: Eric P. Prostko				

COMPLETE FACTORIAL AOV For Arazy Chlorosis % Jul-22-25 (Data Column 19)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	2524.479167				
R	3	1.562500	0.520833	1.000	0.4155	
A	2	251.041667	125.520833	241.000	0.0001	0.5
RA	6	3.125000	0.520833			
B	3	1501.562500	500.520833	961.000	0.0001	0.5
RB	9	4.687500	0.520833			
AB	6	753.125000	125.520833	241.000	0.0001	0.9
RAB	18	9.375000	0.520833			

COMPLETE FACTORIAL AOV For Arazy Necrosis % Jul-22-25 (Data Column 20)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	3381.250000				
R	3	2.083333	0.694444	1.000	0.4155	
A	2	487.500000	243.750000	351.000	0.0001	0.6
RA	6	4.166667	0.694444			
B	3	1406.250000	468.750000	675.000	0.0001	0.6
RB	9	6.250000	0.694444			
AB	6	1462.500000	243.750000	351.000	0.0001	1.0
RAB	18	12.500000	0.694444			

COMPLETE FACTORIAL AOV For Arazy Stunting % Aug-6-25 (Data Column 21)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	20995.312500				
R	3	1.562500	0.520833	0.030	0.9928	
A	2	6134.375000	3067.187500	1177.800	0.0001	1.1
RA	6	15.625000	2.604167			
B	3	6718.229167	2239.409722	61.915	0.0001	4.5
RB	9	325.520833	36.168981			
AB	6	7486.458333	1247.743056	71.631	0.0001	5.1
RAB	18	313.541667	17.418981			

COMPLETE FACTORIAL AOV For Arazy Chlorosis % Aug-6-25 (Data Column 22)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	1711.979167				
R	3	14.062500	4.687500	3.000	0.0578	
A	2	357.291667	178.645833	114.333	0.0001	0.9
RA	6	9.375000	1.562500			
B	3	839.062500	279.687500	59.667	0.0001	1.6
RB	9	42.187500	4.687500			
AB	6	421.875000	70.312500	45.000	0.0001	1.5
RAB	18	28.125000	1.562500			

COMPLETE FACTORIAL AOV For Arazy Necrosis % Aug-6-25 (Data Column 23)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	447.916667				
R	3	6.250000	2.083333	1.000	0.4155	
A	2	54.166667	27.083333	13.000	0.0066	1.0
RA	6	12.500000	2.083333			
B	3	156.250000	52.083333	25.000	0.0001	1.1
RB	9	18.750000	2.083333			
AB	6	162.500000	27.083333	13.000	0.0001	1.8
RAB	18	37.500000	2.083333			

COMPLETE FACTORIAL AOV For Arazy Stunting % Aug-18-25 (Data Column 24)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	14686.979167				
R	3	80.729167	26.909722	1.195	0.3397	
A	2	6163.541667	3081.770833	377.681	0.0001	2.0
RA	6	48.958333	8.159722			
B	3	2959.895833	986.631944	29.963	0.0001	4.3
RB	9	296.354167	32.928241			
AB	6	4732.291667	788.715278	35.036	0.0001	5.8
RAB	18	405.208333	22.511574			

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.
 Mean separation letters are 'na' (not applicable) when error variance is 0

University of Georgia

PEANUT RESPONSE TO ATRAZINE						
Trial ID: PE-02-25		Study Dir.:				
Location: PONDER FARM		Investigator: Eric P. Prostko				

COMPLETE FACTORIAL AOV For Arahy Chlorosis % Aug-18-25 (Data Column 25)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	2711.979167				
R	3	22.395833	7.465278	3.308	0.0438	
A	2	357.291667	178.645833	79.154	0.0001	1.0
RA	6	13.541667	2.256944			
B	3	1472.395833	490.798611	65.744	0.0001	2.0
RB	9	67.187500	7.465278			
AB	6	738.541667	123.090278	54.538	0.0001	1.8
RAB	18	40.625000	2.256944			

COMPLETE FACTORIAL AOV For Arahy Necrosis % Aug-18-25 (Data Column 26)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	4911.979167				
R	3	14.062500	4.687500	0.786	0.5170	
A	2	894.791667	447.395833	122.714	0.0001	1.3
RA	6	21.875000	3.645833			
B	3	2097.395833	699.131944	124.546	0.0001	1.8
RB	9	50.520833	5.613426			
AB	6	1726.041667	287.673611	48.262	0.0001	3.0
RAB	18	107.291667	5.960648			

COMPLETE FACTORIAL AOV For Arahy Stunting % Aug-27-25 (Data Column 27)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	16700.000000				
R	3	62.500000	20.833333	0.750	0.5365	
A	2	6950.000000	3475.000000	139.000	0.0001	3.4
RA	6	150.000000	25.000000			
B	3	3329.166667	1109.722222	44.389	0.0001	3.7
RB	9	225.000000	25.000000			
AB	6	5483.333333	913.888889	32.900	0.0001	6.5
RAB	18	500.000000	27.777778			

COMPLETE FACTORIAL AOV For Arahy Chlorosis % Aug-27-25 (Data Column 28)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	4847.916667				
R	3	93.750000	31.250000	3.462	0.0382	
A	2	1029.166667	514.583333	35.286	0.0005	2.6
RA	6	87.500000	14.583333			
B	3	2222.916667	740.972222	213.400	0.0001	1.4
RB	9	31.250000	3.472222			
AB	6	1220.833333	203.472222	22.538	0.0001	3.7
RAB	18	162.500000	9.027778			

COMPLETE FACTORIAL AOV For Arahy Necrosis % Aug-27-25 (Data Column 29)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	8325.000000				
R	3	4.166667	1.388889	0.471	0.7065	
A	2	1840.625000	920.312500	182.793	0.0001	1.5
RA	6	30.208333	5.034722			
B	3	3379.166667	1126.388889	405.500	0.0001	1.2
RB	9	25.000000	2.777778			
AB	6	2992.708333	498.784722	169.000	0.0001	2.1
RAB	18	53.125000	2.951389			

COMPLETE FACTORIAL AOV For Arahy Stunting % Sep-9-25 (Data Column 30)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	15636.979167				
R	3	47.395833	15.798611	0.429	0.7350	
A	2	6951.041667	3475.520833	363.982	0.0001	2.1
RA	6	57.291667	9.548611			
B	3	2639.062500	879.687500	19.767	0.0003	5.0
RB	9	400.520833	44.502315			
AB	6	4878.125000	813.020833	22.055	0.0001	7.4
RAB	18	663.541667	36.863426			

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 Mean separation letters are 'na' (not applicable) when error variance is 0

University of Georgia

PEANUT RESPONSE TO ATRAZINE

Trial ID: PE-02-25 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For Arazy Chlorosis % Sep-9-25 (Data Column 31)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	4870.312500				
R	3	30.729167	10.243056	2.810	0.0689	
A	2	715.625000	357.812500	71.069	0.0001	1.5
RA	6	30.208333	5.034722			
B	3	2489.062500	829.687500	111.140	0.0001	2.0
RB	9	67.187500	7.465278			
AB	6	1471.875000	245.312500	67.286	0.0001	2.3
RAB	18	65.625000	3.645833			

COMPLETE FACTORIAL AOV For Arazy Necrosis % Sep-9-25 (Data Column 32)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	7816.666667				
R	3	4.166667	1.388889	1.000	0.4155	
A	2	1616.666667	808.333333	582.000	0.0001	0.8
RA	6	8.333333	1.388889			
B	3	3300.000000	1100.000000	792.000	0.0001	0.9
RB	9	12.500000	1.388889			
AB	6	2850.000000	475.000000	342.000	0.0001	1.4
RAB	18	25.000000	1.388889			

COMPLETE FACTORIAL AOV For ARAHY YLD-DIRTY LBS/PLOT Sep-23-25 (Data Column 33)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	2566.744792				
R	3	9.668958	3.222986	0.869	0.4753	
A	2	1280.425417	640.212708	277.190	0.0001	1.04
RA	6	13.857917	2.309653			
B	3	750.720625	250.240208	166.229	0.0001	0.92
RB	9	13.548542	1.505394			
AB	6	431.761250	71.960208	19.401	0.0001	2.36
RAB	18	66.762083	3.709005			

COMPLETE FACTORIAL AOV For ARAHY YLD-CLEAN LBS/PLOT Sep-23-25 (Data Column 34)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	2465.101698				
R	3	9.286068	3.095356	0.869	0.4753	
A	2	1229.720570	614.860285	277.190	0.0001	1.0
RA	6	13.309143	2.218191			
B	3	720.992088	240.330696	166.229	0.0001	0.9
RB	9	13.012019	1.445780			
AB	6	414.663505	69.110584	19.401	0.0001	2.3
RAB	18	64.118305	3.562128			

COMPLETE FACTORIAL AOV For ARAHY YIELD LBS/A Sep-23-25 (Data Column 35)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	213467971.244367				
R	3	804136.401158	268045.467053	0.869	0.4753	
A	2	106488894.771683	53244447.385841	277.190	0.0001	301
RA	6	1152518.694539	192086.449090			
B	3	62435038.072482	20811679.357494	166.229	0.0001	265
RB	9	1126788.963318	125198.773702			
AB	6	35908204.975682	5984700.829280	19.401	0.0001	681
RAB	18	5552389.365504	308466.075861			

Rating Unit
 % = PERCENT
 ARM Action Codes
 T1 = [33]*0.98
 TY2 = 294.272*[34]

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.
 Mean separation letters are 'na' (not applicable) when error variance is 0

University of Georgia

PEANUT RESPONSE TO ATRAZINE

Trial ID: PE-02-25 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Crop Code				Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	
Rating Data Type				Necrosis	Loss	Stunting	Necrosis	Chlorosis	Loss	Stunting	
Rating Unit				%	%	%	%	%	%	%	
Rating Date				Jun-23-25	Jun-23-25	Jun-30-25	Jun-30-25	Jun-30-25	Jun-30-25	Jul-9-25	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit Plot	8	9	10	11	12	13	14
1	NO HERBICIDE PRE			101	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				211	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				306	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				407	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	NO HERBICIDE 29 DAP			102	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				206	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				310	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				411	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	NO HERBICIDE 58 DAP			103	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				210	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				305	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				409	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	NO HERBICIDE 93 DAP			104	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				208	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				301	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				403	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AATREX PRE	4 L	32.0 oz/a	105	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				204	0.0	0.0	10.0	0.0	0.0	0.0	0.0
				303	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				410	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Mean =	0.0	0.0	2.5	0.0	0.0	0.0	0.0
6	AATREX 29 DAP	4 L	32.0 oz/a	106	0.0	15.0	50.0	0.0	0.0	10.0	40.0
				212	0.0	20.0	50.0	0.0	0.0	15.0	30.0
				309	0.0	15.0	50.0	0.0	0.0	10.0	30.0
				408	0.0	20.0	50.0	0.0	10.0	20.0	40.0
				Mean =	0.0	17.5	50.0	0.0	2.5	13.8	35.0
7	AATREX 58 DAP	4 L	32.0 oz/a	107	0.0	0.0	0.0	5.0	20.0	0.0	15.0
				209	0.0	0.0	0.0	5.0	20.0	0.0	15.0
				311	0.0	0.0	0.0	5.0	20.0	0.0	10.0
				412	0.0	0.0	0.0	5.0	20.0	0.0	15.0
				Mean =	0.0	0.0	0.0	5.0	20.0	0.0	13.8
8	AATREX 93 DAP	4 L	32.0 oz/a	108	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				203	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				307	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				404	0.0	0.0	10.0	0.0	0.0	0.0	0.0
				Mean =	0.0	0.0	2.5	0.0	0.0	0.0	0.0
9	AATREX PRE	4 L	64.0 oz/a	109	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				202	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				308	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				401	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AATREX 29 DAP	4 L	64.0 oz/a	110	10.0	75.0	80.0	0.0	0.0	80.0	85.0
				201	10.0	65.0	80.0	0.0	0.0	75.0	75.0
				302	10.0	80.0	80.0	0.0	0.0	80.0	65.0
				405	10.0	85.0	85.0	0.0	0.0	85.0	90.0
				Mean =	10.0	76.3	81.3	0.0	0.0	80.0	78.8
11	AATREX 58 DAP	4 L	64.0 oz/a	111	0.0	0.0	0.0	5.0	20.0	0.0	20.0
				207	0.0	0.0	0.0	5.0	20.0	0.0	30.0
				312	0.0	0.0	0.0	5.0	20.0	0.0	20.0
				406	0.0	0.0	0.0	5.0	20.0	0.0	20.0
				Mean =	0.0	0.0	0.0	5.0	20.0	0.0	22.5

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PEANUT RESPONSE TO ATRAZINE

Trial ID: PE-02-25 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Crop Code					Arahy Necrosis	Arahy Loss	Arahy Stunting	Arahy Necrosis	Arahy Chlorosis	Arahy Loss	Arahy Stunting
Rating Data Type					%	%	%	%	%	%	%
Rating Unit					%	%	%	%	%	%	%
Rating Date					Jun-23-25	Jun-23-25	Jun-30-25	Jun-30-25	Jun-30-25	Jun-30-25	Jul-9-25
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	8	9	10	11	12	13	14
12	AATREX	4 L		64.0 oz/a	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	93 DAP				0.0	0.0	0.0	0.0	0.0	0.0	0.0
				205	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				304	0.0	0.0	5.0	0.0	0.0	0.0	0.0
				402	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Mean =	0.0	0.0	1.3	0.0	0.0	0.0	0.0

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PEANUT RESPONSE TO ATRAZINE														
Trial ID: PE-02-25		Study Dir.:												
Location: PONDER FARM		Investigator: Eric P. Prostko												
Crop Code				Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy				
Rating Data Type				Necrosis	Chlorosis	Loss	Stunting	Chlorosis	Necrosis	Stunting				
Rating Unit				%	%	%	%	%	%	%				
Rating Date				Jul-9-25	Jul-9-25	Jul-9-25	Jul-22-25	Jul-22-25	Jul-22-25	Aug-6-25				
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Plot	15	16	17	18	19	20	21	22	
1	NO HERBICIDE PRE			101		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
						211	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
						306	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
						407	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	NO HERBICIDE 29 DAP			102		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
						206	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
						310	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
						411	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
						Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3	NO HERBICIDE 58 DAP			103		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
						210	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
						305	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
						409	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
						Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4	NO HERBICIDE 93 DAP			104		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
						208	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
						301	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
						403	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
						Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	AATREX PRE	4 L	32.0 oz/a	105		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
						204	0.0	0.0	0.0	0.0	0.0	10.0	0.0	
						303	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
						410	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
						Mean =	0.0	0.0	0.0	0.0	0.0	0.0	2.5	
6	AATREX 29 DAP	4 L	32.0 oz/a	106		0.0	0.0	5.0	25.0	0.0	0.0	15.0	0.0	
						212	0.0	0.0	15.0	20.0	0.0	0.0	10.0	
						309	0.0	0.0	10.0	10.0	0.0	0.0	10.0	
						408	0.0	0.0	10.0	15.0	0.0	0.0	15.0	
						Mean =	0.0	0.0	10.0	17.5	0.0	0.0	12.5	
7	AATREX 58 DAP	4 L	32.0 oz/a	107		25.0	65.0	0.0	30.0	15.0	10.0	30.0	0.0	
						209	20.0	65.0	0.0	25.0	20.0	5.0	25.0	
						311	25.0	65.0	0.0	25.0	20.0	5.0	30.0	
						412	25.0	65.0	0.0	25.0	20.0	10.0	20.0	
						Mean =	23.8	65.0	0.0	26.3	18.8	7.5	26.3	
8	AATREX 93 DAP	4 L	32.0 oz/a	108		0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	
						203	0.0	0.0	0.0	0.0	0.0	0.0	15.0	
						307	0.0	0.0	0.0	0.0	0.0	0.0	15.0	
						404	0.0	0.0	0.0	0.0	0.0	10.0	15.0	
						Mean =	0.0	0.0	0.0	0.0	0.0	0.0	2.5	
9	AATREX PRE	4 L	64.0 oz/a	109		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
						202	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
						308	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
						401	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
						Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10	AATREX 29 DAP	4 L	64.0 oz/a	110		0.0	0.0	75.0	75.0	0.0	0.0	65.0	0.0	
						201	0.0	0.0	65.0	65.0	0.0	0.0	60.0	
						302	0.0	0.0	80.0	65.0	0.0	0.0	65.0	
						405	0.0	0.0	85.0	75.0	0.0	0.0	75.0	
						Mean =	0.0	0.0	76.3	70.0	0.0	0.0	66.3	
11	AATREX 58 DAP	4 L	64.0 oz/a	111		35.0	65.0	0.0	50.0	20.0	30.0	40.0	5.0	
						207	40.0	60.0	5.0	50.0	20.0	30.0	50.0	
						312	40.0	60.0	0.0	40.0	20.0	30.0	50.0	
						406	40.0	60.0	0.0	35.0	20.0	30.0	30.0	
						Mean =	38.8	61.3	1.3	43.8	20.0	30.0	42.5	

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PEANUT RESPONSE TO ATRAZINE														
Trial ID: PE-02-25				Study Dir.:										
Location: PONDER FARM				Investigator: Eric P. Prostko										
Crop Code				Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy		
Rating Data Type				Necrosis	Chlorosis	Loss	Stunting	Chlorosis	Necrosis	Stunting	Chlorosis			
Rating Unit				%	%	%	%	%	%	%	%			
Rating Date				Jul-9-25	Jul-9-25	Jul-9-25	Jul-22-25	Jul-22-25	Jul-22-25	Aug-6-25	Aug-6-25			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Plot	15	16	17	18	19	20	21	22
12	AATREX	4 L		64.0	oz/a	112	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0
	93 DAP					205	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0
						304	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0
						402	0.0	0.0	0.0	0.0	0.0	0.0	5.0	15.0
						Mean =	0.0	0.0	0.0	0.0	0.0	0.0	1.3	15.0

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PEANUT RESPONSE TO ATRAZINE

Trial ID: PE-02-25 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Crop Code				Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	
Rating Data Type				Necrosis	Stunting	Chlorosis	Necrosis	Stunting	Chlorosis	Necrosis	
Rating Unit				%	%	%	%	%	%	%	
Rating Date				Aug-6-25	Aug-18-25	Aug-18-25	Aug-18-25	Aug-27-25	Aug-27-25	Aug-27-25	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit Plot	23	24	25	26	27	28	29
1	NO HERBICIDE PRE			101	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				211	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				306	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				407	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	NO HERBICIDE 29 DAP			102	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				206	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				310	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				411	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	NO HERBICIDE 58 DAP			103	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				210	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				305	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				409	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	NO HERBICIDE 93 DAP			104	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				208	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				301	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				403	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AATREX PRE	4 L	32.0 oz/a	105	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				204	0.0	0.0	0.0	0.0	0.0	10.0	0.0
				303	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				410	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Mean =	0.0	0.0	0.0	0.0	0.0	0.0	2.5
6	AATREX 29 DAP	4 L	32.0 oz/a	106	0.0	10.0	0.0	0.0	15.0	0.0	0.0
				212	0.0	5.0	0.0	0.0	0.0	0.0	0.0
				309	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				408	0.0	10.0	0.0	0.0	10.0	0.0	0.0
				Mean =	0.0	6.3	0.0	0.0	6.3	0.0	0.0
7	AATREX 58 DAP	4 L	32.0 oz/a	107	0.0	20.0	0.0	0.0	25.0	10.0	5.0
				209	0.0	15.0	10.0	0.0	10.0	10.0	0.0
				311	0.0	15.0	0.0	0.0	10.0	10.0	0.0
				412	10.0	15.0	0.0	0.0	15.0	10.0	0.0
				Mean =	2.5	16.3	2.5	0.0	15.0	10.0	1.3
8	AATREX 93 DAP	4 L	32.0 oz/a	108	0.0	10.0	20.0	15.0	10.0	30.0	15.0
				203	0.0	10.0	20.0	10.0	10.0	30.0	15.0
				307	0.0	10.0	20.0	10.0	15.0	30.0	15.0
				404	0.0	20.0	20.0	15.0	20.0	30.0	15.0
				Mean =	0.0	12.5	20.0	12.5	13.8	30.0	15.0
9	AATREX PRE	4 L	64.0 oz/a	109	0.0	10.0	0.0	0.0	0.0	0.0	0.0
				202	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				308	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				401	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Mean =	0.0	2.5	0.0	0.0	0.0	0.0	0.0
10	AATREX 29 DAP	4 L	64.0 oz/a	110	0.0	65.0	0.0	0.0	60.0	0.0	0.0
				201	0.0	50.0	0.0	0.0	50.0	10.0	0.0
				302	0.0	50.0	0.0	0.0	65.0	0.0	0.0
				405	0.0	65.0	0.0	0.0	75.0	0.0	0.0
				Mean =	0.0	57.5	0.0	0.0	62.5	2.5	0.0
11	AATREX 58 DAP	4 L	64.0 oz/a	111	10.0	30.0	5.0	5.0	25.0	10.0	10.0
				207	10.0	50.0	10.0	10.0	45.0	15.0	15.0
				312	10.0	30.0	0.0	0.0	30.0	15.0	10.0
				406	10.0	30.0	0.0	10.0	30.0	0.0	15.0
				Mean =	10.0	35.0	3.8	6.3	32.5	10.0	12.5

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PEANUT RESPONSE TO ATRAZINE

Trial ID: PE-02-25 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Crop Code				Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy			
Rating Data Type				Necrosis	Stunting	Chlorosis	Necrosis	Stunting	Chlorosis	Necrosis			
Rating Unit				%	%	%	%	%	%	%			
Rating Date				Aug-6-25	Aug-18-25	Aug-18-25	Aug-18-25	Aug-27-25	Aug-27-25	Aug-27-25			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Plot	23	24	25	26	27	28	29
12	AATREX	4 L		64.0	oz/a	112	0.0	10.0	20.0	30.0	20.0	20.0	40.0
	93 DAP					205	0.0	10.0	20.0	30.0	20.0	30.0	50.0
						304	0.0	15.0	20.0	40.0	20.0	20.0	50.0
						402	0.0	20.0	20.0	40.0	20.0	20.0	45.0
						Mean =	0.0	13.8	20.0	35.0	20.0	22.5	46.3

University of Georgia

PEANUT RESPONSE TO ATRAZINE

Trial ID: PE-02-25 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Crop Code				Arahy	Arahy	Arahy	ARAHY	ARAHY	ARAHY		
Rating Data Type				Stunting	Chlorosis	Necrosis	YLD-DIRTY	YLD-CLEAN	YIELD		
Rating Unit				%	%	%	LBS/PLOT	LBS/PLOT	LBS/A		
Rating Date				Sep-9-25	Sep-9-25	Sep-9-25	Sep-23-25	Sep-23-25	Sep-23-25		
Trt	Treatment	Form	Form	Rate							
No.	Name	Conc	Type	Rate	Plot	30	31	32	33	34	35
1	NO HERBICIDE PRE			101		0.0	0.0	0.0	23.60	23.1	6806
				211		0.0	0.0	0.0	26.40	25.9	7613
				306		0.0	0.0	0.0	23.70	23.2	6835
				407		0.0	0.0	0.0	21.50	21.1	6200
				Mean =		0.0	0.0	0.0	23.80	23.3	6864
2	NO HERBICIDE 29 DAP			102		0.0	0.0	0.0	26.10	25.6	7527
				206		0.0	0.0	0.0	21.20	20.8	6114
				310		0.0	0.0	0.0	22.00	21.6	6345
				411		0.0	0.0	0.0	22.80	22.3	6575
				Mean =		0.0	0.0	0.0	23.03	22.6	6640
3	NO HERBICIDE 58 DAP			103		0.0	0.0	0.0	25.60	25.1	7383
				210		0.0	0.0	0.0	23.50	23.0	6777
				305		0.0	0.0	0.0	21.10	20.7	6085
				409		0.0	0.0	0.0	23.70	23.2	6835
				Mean =		0.0	0.0	0.0	23.48	23.0	6770
4	NO HERBICIDE 93 DAP			104		0.0	0.0	0.0	21.50	21.1	6200
				208		0.0	0.0	0.0	20.30	19.9	5854
				301		0.0	0.0	0.0	21.40	21.0	6171
				403		0.0	0.0	0.0	21.90	21.5	6316
				Mean =		0.0	0.0	0.0	21.28	20.8	6135
5	AATREX PRE	4 L	32.0 oz/a	105		0.0	0.0	0.0	23.40	22.9	6748
				204		0.0	0.0	0.0	19.70	19.3	5681
				303		0.0	0.0	0.0	23.00	22.5	6633
				410		0.0	0.0	0.0	25.70	25.2	7412
				Mean =		0.0	0.0	0.0	22.95	22.5	6618
6	AATREX 29 DAP	4 L	32.0 oz/a	106		10.0	0.0	0.0	17.50	17.2	5047
				212		0.0	0.0	0.0	18.90	18.5	5451
				309		0.0	0.0	0.0	18.00	17.6	5191
				408		0.0	0.0	0.0	15.90	15.6	4585
				Mean =		2.5	0.0	0.0	17.58	17.2	5068
7	AATREX 58 DAP	4 L	32.0 oz/a	107		20.0	0.0	0.0	10.70	10.5	3086
				209		10.0	0.0	0.0	11.30	11.1	3259
				311		10.0	0.0	0.0	12.70	12.4	3663
				412		10.0	0.0	0.0	10.90	10.7	3143
				Mean =		12.5	0.0	0.0	11.40	11.2	3288
8	AATREX 93 DAP	4 L	32.0 oz/a	108		10.0	20.0	15.0	12.00	11.8	3461
				203		10.0	30.0	15.0	11.80	11.6	3403
				307		15.0	30.0	15.0	12.50	12.3	3605
				404		25.0	30.0	15.0	8.80	8.6	2538
				Mean =		15.0	27.5	15.0	11.28	11.0	3252
9	AATREX PRE	4 L	64.0 oz/a	109		0.0	0.0	0.0	21.00	20.6	6056
				202		0.0	0.0	0.0	23.20	22.7	6691
				308		0.0	0.0	0.0	23.70	23.2	6835
				401		0.0	0.0	0.0	21.40	21.0	6171
				Mean =		0.0	0.0	0.0	22.33	21.9	6438
10	AATREX 29 DAP	4 L	64.0 oz/a	110		60.0	0.0	0.0	4.90	4.8	1413
				201		40.0	0.0	0.0	8.30	8.1	2394
				302		65.0	0.0	0.0	4.80	4.7	1384
				405		65.0	0.0	0.0	1.70	1.7	490
				Mean =		57.5	0.0	0.0	4.93	4.8	1420
11	AATREX 58 DAP	4 L	64.0 oz/a	111		30.0	10.0	10.0	9.50	9.3	2740
				207		50.0	15.0	10.0	6.50	6.4	1875
				312		25.0	10.0	10.0	7.90	7.7	2278
				406		30.0	10.0	10.0	7.20	7.1	2076
				Mean =		33.8	11.3	10.0	7.78	7.6	2242

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PEANUT RESPONSE TO ATRAZINE

Trial ID: PE-02-25 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Crop Code					Arahy Stunting	Arahy Chlorosis	Arahy Necrosis	ARAHY YLD-DIRTY	ARAHY YLD-CLEAN	ARAHY YIELD	
Rating Data Type					%	%	%	LBS/PLOT	LBS/PLOT	LBS/A	
Rating Unit					Sep-9-25	Sep-9-25	Sep-9-25	Sep-23-25	Sep-23-25	Sep-23-25	
Rating Date					Sep-9-25	Sep-9-25	Sep-9-25	Sep-23-25	Sep-23-25	Sep-23-25	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Plot	30	31	32	33	34	35
12	AATREX	4 L		64.0 oz/a	112	20.0	20.0	45.0	6.20	6.1	1788
	93 DAP				205	20.0	30.0	40.0	6.00	5.9	1730
					304	20.0	20.0	50.0	6.40	6.3	1846
					402	30.0	30.0	45.0	5.70	5.6	1644
					Mean =	22.5	25.0	45.0	6.08	6.0	1752

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PEANUT RESPONSE TO ATRAZINE

Trial ID: PE-02-25 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Rating Unit
% = PERCENT
ARM Action Codes
T1 = [33]*0.98
TY2 = 294.272*[34]