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PEANUT TOLERANCE TO PRE AND EPOST APPLICATIONS
OF TRIFLUDIMOXAZIN (BAS-850-01H) - WEED-FREE
Trial ID: PE-11-19 Study Dir.: LARRY NEWSOME
Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 3 Plots: 6 by 25 feet
Appl. Amount: 15 GAL/AC Mix Size: 1.5 L (total for 3 plots; minimum=0.5866 L)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	Amt Product to Measure	Diluent	Rep 1	2	3
1	PREEMERGENCE NTC					A		- -	214	303	407
2	PREEMERGENCE BAS-850-1H	4.17	SC	0.685	oz/a	A	0.5351 mL/mx	- 1499.5 mL	203	306	410
3	PREEMERGENCE BAS-850-1H	4.17	SC	1.03	oz/a	A	0.8046 mL/mx	- 1499.2 mL	213	310	405
4	PREEMERGENCE BAS-850-1H	4.17	SC	1.37	oz/a	A	1.07 mL/mx	- 1498.9 mL	206	312	401
5	PREEMERGENCE BAS-850-1H	4.17	SC	2.06	oz/a	A	1.609 mL/mx	- 1498.4 mL	207	313	402
6	PREEMERGENCE VALOR SX	51	WG	3.0	oz/a	A	2.247 g/mx	- 1497.8 mL	205	311	408
7	PREEMERGENCE VALOR SX	51	WG	6.0	oz/a	A	4.493 g/mx	- 1495.5 mL	212	305	403
8	CRACKING (EPOST) NTC					B		- -	201	309	411
9	CRACKING (EPOST) BAS-850-1H	4.17	SC	0.685	oz/a	B	0.5351 mL/mx	- 1499.5 mL	211	314	412
10	CRACKING (EPOST) BAS-850-1H	4.17	SC	1.03	oz/a	B	0.8046 mL/mx	- 1499.2 mL	204	307	413
11	CRACKING (EPOST) BAS-850-1H	4.17	SC	1.37	oz/a	B	1.07 mL/mx	- 1498.9 mL	210	304	414
12	CRACKING (EPOST) BAS-850-1H	4.17	SC	2.06	oz/a	B	1.609 mL/mx	- 1498.4 mL	209	302	404
13	CRACKING (EPOST) VALOR SX	51	WG	3.0	oz/a	B	2.247 g/mx	- 1497.8 mL	208	301	409
14	CRACKING (EPOST) VALOR SX	51	WG	6.0	oz/a	B	4.493 g/mx	- 1495.5 mL	202	308	406

Sort Order: Treatment

Trial Comments

MAINTAINED WEED-FREE

PROWL H20 @ 32 OZ/A + STRONGARM @ 0.45 OZ/A (PRE) - MAY 2
CADRE @ 4 OZ/A + DUAL MAGNUM @ 16 OZ/A + ACEPHATE @ 8 OZ/A (MAY 23).
SELECT MAX @ 16 OZ/A + ADEPT @ 0.25% V/V (JUNE 4).

DIGGING DATE: SEPTEMBER 18
HARVEST DATE: SEPTEMBER 23
HARVEST MOISTURE: 7.5%
YIELDS ADJUSTED TO 10%
2% YIELD DEDUCTION FOR FM (ROCKS, STEMS, LEAVES, ETC.)

SUMMARY:

1) PEANUT PLANT STANDS WERE NOT REDUCED BY ANY PRE APPLICATION.

2) GENERALLY, PRE APPLICATIONS OF TRIFLUDIMOXAZIN WERE LESS INJURIOUS THAN PRE APPLICATIONS OF VALOR.

3) THE GREATEST PEANUT INJURY OBSERVED IN THIS TEST (60% STUNTING) OCCURRED ON MAY 21 (21 DAP) WITH THE FOLLOWING TREATMENTS:

TRIFLUDIMOXAZIN APPLIED @ 2.06 OZ/A (EPOST) AND VALOR @ 6 OZ/A (PRE)

4) PEANUT RECOVERED FROM ALL EARLY SEASON INJURY.

5) FOR PEANUT YIELD, THERE WAS NO INTERACTION BETWEEN APPLICATION METHOD AND HERBICIDE TREATMENT (P=

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0.7132). MAIN EFFECTS OF APPLICATION METHOD AND HERBICIDE TREATMENT WERE NOT SIGNIFICANT (P>0.30).

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Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: LARRY NEWSOME **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-30-19
Planting Method: MONOSEM TWIN ROW **Rate:** 3.5 SEED/FT **Depth:** 2.0 IN
Perennial Age: _____ **Row Spacing:** _____ **Seed Bed:** _____
Soil Temperature: _____ **Soil Moisture:** OPTIMUM **Emergence Date:** _____

Plot Width, Unit: 6 FT **Plot Length, Unit:** 25 FT **Reps:** 3
Site Type: _____
Tillage Type: CONVENTIONL **Study Design:** FACTOR
Trial Initiation Comments: 300 LBS/A 5-15-30 PPLNT; THIMET INFR @ 6.6 LBS/A; RANCONA VPD SEED TRT; 36"-9" TWIN ROW SPACING

Previous:	Crops	Pesticides	Year
1.	FIELD CORN	2018	

MAINTENANCE

Field Prep./Maintenance: _____

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

SOIL DESCRIPTION

Texture: SAND **% OM:** 0.58 **% Sand:** 94 **% Silt:** 2 **% Clay:** 4
pH: 6.0 **CEC:** 2.4 **Soil Name:** FUQUAY **Fertility Level:** GOOD

MOISTURE CONDITIONS

On:	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Apr-29-19		0.5	IN	SPRINKLER - LATERAL MOVE		
2.	May-3-19		0.6	IN	SPRINKLER - LATERAL MOVE		
3.	May-5-19		0.15	IN	RAINFALL		
4.	May-6-19		0.5	IN	SPRINKLER - LATERAL MOVE		
5.	May-9-19		0.195	IN	RAINFALL		
6.	May-10-19		0.11	IN	RAINFALL		
7.	May-11-19		0.65	IN	RAINFALL		
8.	May-12-19		0.27	IN	RAINFALL		
9.	May-17-19		0.62	IN	RAINFALL		
10.	May-29-19		0.5	IN	SPRINKLER - LATERAL MOVE		
11.	Jun-3-19		0.5	IN	SPRINKLER - LATERAL MOVE		

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

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APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	May-1-19	May-14-19				
Time of Day:	7:30 AM	7:00 AM				
Application Method:	BROACAST	BROADCAST				
Application Timing:	PRE	EPOST				
Applic. Placement:	SOIL	FOLIAGE				
Air Temp., Unit:	68 F	60 F				
% Relative Humidity:	92	85				
Wind Velocity, Unit:	3 MPH	0 MPH				
Dew Presence (Y/N):	N	Y				
Water Hardness:		--				
Soil Temp., Unit:	70 F	69 F				
Soil Moisture:	OPTIMUM	OPTIMUM				
% Cloud Cover:	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:						

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Crop 1 Stage:	ARAHY	2-3" TALL				
Stage Scale:		3-4" W:V4				
Height, Unit:						

	G	H	I	J	K	L
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:						

	G	H	I	J	K	L
Weed 1 Stage:						
Stage Scale:						
Density, Unit:						

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APPLICATION EQUIPMENT

	A		B		C		D		E		F	
Appl. Equipment:	BACKPACK	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:	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):												

Trt No **Treatment Application Comment**

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Weed Code / Crop Code / Part Rated / Rating Data Type / Rating Unit / Rating Date / PRM Data Type / # Subsamples, Dec.	Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	1	2	3	4	5	6
								Arahy	Arahy	Arahy	Arahy	Arahy	Arahy
								Stand	Stunting	Injury	Injury	Injury	Stunting
								#/3 ft	Percent	Percent	Percent	Percent	Percent
								May-10-19	May-10-19	May-14-19	May-21-19	May-28-19	Jun-11-19
TABLE OF R MEANS													
Replicate 1								14.4	4.6	7.5	31.4	20.4	9.3
Replicate 2								14.4	4.6	8.9	32.1	15.7	7.5
Replicate 3								14.0	3.6	7.1	28.9	15.7	7.9
TABLE OF A (APPLICATION METHOD) MEANS													
	1	PREEMERGENCE						14.4 -	8.3 a	15.7 a	20.0 b	10.2 b	4.5 -
	2	CRACKING (EPOST)						14.1 -	0.2 b	0.0 b	41.7 a	24.3 a	11.9 -
LSD P=.10								0.50	1.84	3.19	2.51	4.23	8.02
Standard Deviation								0.56	2.04	3.54	2.78	4.69	8.90
CV								3.90	47.63	45.00	9.02	27.19	108.32
TABLE OF B (TREATMENT) MEANS													
	1	NTC						14.7 -	0.0 d	0.0 c	0.0 f	0.0 d	0.0 d
	2	BAS-850-1H	4.17	SC	0.685	oz/a		13.2 -	1.7 cd	0.8 c	26.7 e	8.3 c	5.0 c
	3	BAS-850-1H	4.17	SC	1.03	oz/a		14.5 -	3.3 bc	3.3 c	30.0 de	16.7 b	5.0 c
	4	BAS-850-1H	4.17	SC	1.37	oz/a		14.0 -	4.2 bc	3.3 c	32.5 cd	21.7 b	9.2 bc
	5	BAS-850-1H	4.17	SC	2.06	oz/a		13.2 -	5.8 b	4.2 c	36.7 bc	22.5 b	10.0 b
	6	VALOR SX	51	WG	3.0	oz/a		15.0 -	5.0 b	13.3 b	38.3 b	18.3 b	6.7 bc
	7	VALOR SX	51	WG	6.0	oz/a		15.3 -	10.0 a	30.0 a	51.7 a	33.3 a	21.7 a
LSD P=.10								2.03	2.93	5.07	5.38	6.58	4.46
Standard Deviation								1.98	2.85	4.93	5.23	6.39	4.33
CV								13.86	66.55	62.75	16.97	37.04	52.71
TABLE OF A (APPLICATION METHOD) B (TREATMENT) MEANS													
	1	PREEMERGENCE						14.3 -	0.0 e	0.0 d	0.0 e	0.0 f	0.0 c
	1	NTC											
	2	CRACKING (EPOST)						15.0 -	0.0 e	0.0 d	0.0 e	0.0 f	0.0 c
	1	NTC											
	1	PREEMERGENCE						13.3 -	3.3 de	1.7 cd	13.3 d	0.0 f	3.3 bc
	2	BAS-850-1H	4.17	SC	0.685	oz/a							
	2	CRACKING (EPOST)						13.0 -	0.0 e	0.0 d	40.0 bc	16.7 e	6.7 bc
	2	BAS-850-1H	4.17	SC	0.685	oz/a							
	1	PREEMERGENCE						15.0 -	6.7 cd	6.7 cd	10.0 de	6.7 f	0.0 c
	3	BAS-850-1H	4.17	SC	1.03	oz/a							
	2	CRACKING (EPOST)						14.0 -	0.0 e	0.0 d	50.0 ab	26.7 cd	10.0 b
	3	BAS-850-1H	4.17	SC	1.03	oz/a							
	1	PREEMERGENCE						14.3 -	6.7 cd	6.7 cd	10.0 de	6.7 f	0.0 c
	4	BAS-850-1H	4.17	SC	1.37	oz/a							
	2	CRACKING (EPOST)						13.7 -	1.7 e	0.0 d	55.0 a	36.7 ab	18.3 a
	4	BAS-850-1H	4.17	SC	1.37	oz/a							
	1	PREEMERGENCE						14.0 -	11.7 b	8.3 c	13.3 d	5.0 f	0.0 c
	5	BAS-850-1H	4.17	SC	2.06	oz/a							
	2	CRACKING (EPOST)						12.3 -	0.0 e	0.0 d	60.0 a	40.0 a	20.0 a
	5	BAS-850-1H	4.17	SC	2.06	oz/a							
	1	PREEMERGENCE						14.3 -	10.0 bc	26.7 b	33.3 c	16.7 e	5.0 bc
	6	VALOR SX	51	WG	3.0	oz/a							
	2	CRACKING (EPOST)						15.7 -	0.0 e	0.0 d	43.3 bc	20.0 de	8.3 b
	6	VALOR SX	51	WG	3.0	oz/a							
	1	PREEMERGENCE						15.3 -	20.0 a	60.0 a	60.0 a	36.7 ab	23.3 a
	7	VALOR SX	51	WG	6.0	oz/a							

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code											
Crop Code						Arahy	Arahy	Arahy	Arahy	Arahy	Arahy
Part Rated											
Rating Data Type						Stand	Stunting	Injury	Injury	Injury	Stunting
Rating Unit						#/3 ft	Percent	Percent	Percent	Percent	Percent
Rating Date						May-10-19	May-10-19	May-14-19	May-21-19	May-28-19	Jun-11-19
PRM Data Type											
# Subsamples, Dec.											
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	1	2	3	4	5	6
2	CRACKING (EPOST)						15.3 -	0.0 e	0.0 d	43.3 bc	30.0 bc	20.0 a
7	VALOR SX	51	WG	6.0	oz/a							
LSD P=.10							1.93	3.43	7.17	11.58	9.21	6.97
Standard Deviation							1.32	2.36	4.93	7.96	6.33	4.79
CV							9.29	55.00	62.75	25.80	36.68	58.28

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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 Stunting Percent Jun-26-19	Arahy Stunting Percent Aug-1-19	----- ARAHY DIRTY - YIELD LBS/PLOT Sep-23-19	----- ARAHY CLEAN - YIELD LBS/PLOT Sep-23-19 T1 - 1	----- ARAHY CLEAN - YIELD LBS/A Sep-23-19 TY2 - 0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	7	8	9	10	11
TABLE OF R MEANS											
Replicate 1							3.2	0.4	23.0	22.6	6740
Replicate 2							1.1	0.4	21.9	21.5	6406
Replicate 3							2.1	0.0	20.9	20.4	6101
TABLE OF A (APPLICATION METHOD) MEANS											
1	PREEMERGENCE						1.7 -	0.0 -	22.3 -	21.8 -	6520 -
2	CRACKING (EPOST)						2.6 -	0.5 -	21.6 -	21.1 -	6311 -
LSD P=.10							1.84	0.70	1.53	1.50	448.0
Standard Deviation							2.04	0.77	1.70	1.67	497.1
CV							95.26	324.04	7.75	7.75	7.7
TABLE OF B (TREATMENT) MEANS											
1	NTC						0.0 b	0.0 -	21.3 -	20.9 -	6235 -
2	BAS-850-1H	4.17	SC	0.685	oz/a		0.8 b	0.0 -	21.9 -	21.5 -	6411 -
3	BAS-850-1H	4.17	SC	1.03	oz/a		1.7 b	0.8 -	21.5 -	21.1 -	6284 -
4	BAS-850-1H	4.17	SC	1.37	oz/a		0.8 b	0.0 -	22.5 -	22.1 -	6581 -
5	BAS-850-1H	4.17	SC	2.06	oz/a		2.5 b	0.0 -	22.5 -	22.0 -	6576 -
6	VALOR SX	51	WG	3.0	oz/a		1.7 b	0.0 -	22.2 -	21.7 -	6484 -
7	VALOR SX	51	WG	6.0	oz/a		7.5 a	0.8 -	21.7 -	21.2 -	6337 -
LSD P=.10							2.59	1.17	1.99	1.95	582.1
Standard Deviation							2.52	1.14	1.93	1.90	565.7
CV							117.59	476.97	8.82	8.82	8.8
TABLE OF A (APPLICATION METHOD) B (TREATMENT) MEANS											
1	PREEMERGENCE 1 NTC						0.0 -	0.0 -	21.8 -	21.3 -	6367 -
2	CRACKING (EPOST) 1 NTC						0.0 -	0.0 -	20.9 -	20.4 -	6103 -
1	PREEMERGENCE 2 BAS-850-1H	4.17	SC	0.685	oz/a		1.7 -	0.0 -	22.1 -	21.7 -	6464 -
2	CRACKING (EPOST) 2 BAS-850-1H	4.17	SC	0.685	oz/a		0.0 -	0.0 -	21.7 -	21.3 -	6357 -
1	PREEMERGENCE 3 BAS-850-1H	4.17	SC	1.03	oz/a		0.0 -	0.0 -	22.0 -	21.6 -	6435 -
2	CRACKING (EPOST) 3 BAS-850-1H	4.17	SC	1.03	oz/a		3.3 -	1.7 -	21.0 -	20.5 -	6133 -
1	PREEMERGENCE 4 BAS-850-1H	4.17	SC	1.37	oz/a		0.0 -	0.0 -	23.8 -	23.3 -	6952 -
2	CRACKING (EPOST) 4 BAS-850-1H	4.17	SC	1.37	oz/a		1.7 -	0.0 -	21.2 -	20.8 -	6211 -
1	PREEMERGENCE 5 BAS-850-1H	4.17	SC	2.06	oz/a		0.0 -	0.0 -	22.4 -	21.9 -	6542 -
2	CRACKING (EPOST) 5 BAS-850-1H	4.17	SC	2.06	oz/a		5.0 -	0.0 -	22.6 -	22.1 -	6610 -
1	PREEMERGENCE 6 VALOR SX	51	WG	3.0	oz/a		1.7 -	0.0 -	21.8 -	21.4 -	6386 -
2	CRACKING (EPOST) 6 VALOR SX	51	WG	3.0	oz/a		1.7 -	0.0 -	22.5 -	22.1 -	6581 -
1	PREEMERGENCE 7 VALOR SX	51	WG	6.0	oz/a		8.3 -	0.0 -	22.2 -	21.8 -	6493 -

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Trial ID: PE-11-19 Study Dir.: LARRY NEWSOME
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	7	8	9	10	11
	Weed Code								-----	-----	-----
	Crop Code						Arahy	Arahy	ARAHY	ARAHY	ARAHY
	Part Rated								DIRTY -	CLEAN -	CLEAN -
	Rating Data Type						Stunting	Stunting	YIELD	YIELD	YIELD
	Rating Unit						Percent	Percent	LBS/PLOT	LBS/PLOT	LBS/A
	Rating Date						Jun-26-19	Aug-1-19	Sep-23-19	Sep-23-19	Sep-23-19
	PRM Data Type									T1	TY2
	# Subsamples, Dec.								- 1	- 1	- 0
2	CRACKING (EPOST)						6.7 -	1.7 -	21.1 -	20.7 -	6181 -
7	VALOR SX	51	WG	6.0	oz/a						
	LSD P=.10						5.15	1.65	2.36	2.31	690.2
	Standard Deviation						3.54	1.14	1.62	1.59	474.3
	CV						164.99	476.97	7.39	7.39	7.4

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COMPLETE FACTORIAL AOV For Arahy Stand #/3 ft May-10-19 (Data Column 1)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	106.119048				
R	2	1.476190	0.738095	0.421	0.6658	
A	1	0.595238	0.595238	1.923	0.2999	0.5
RA	2	0.619048	0.309524			
B	6	26.285714	4.380952	1.122	0.4056	2.0
RB	12	46.857143	3.904762			
AB	6	9.238095	1.539683	0.878	0.5390	1.9
RAB	12	21.047619	1.753968			

COMPLETE FACTORIAL AOV For Arahy Stunting Percent May-10-19 (Data Column 2)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	1628.571429				
R	2	10.714286	5.357143	0.964	0.4089	
A	1	688.095238	688.095238	165.143	0.0060	1.8
RA	2	8.333333	4.166667			
B	6	370.238095	61.706349	7.585	0.0016	2.9
RB	12	97.619048	8.134921			
AB	6	386.904762	64.484127	11.607	0.0002	3.4
RAB	12	66.666667	5.555556			

COMPLETE FACTORIAL AOV For Arahy Injury Percent May-14-19 (Data Column 3)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	11457.142857				
R	2	25.000000	12.500000	0.514	0.6105	
A	1	2592.857143	2592.857143	207.429	0.0048	3.2
RA	2	25.000000	12.500000			
B	6	4115.476190	685.912698	28.220	0.0001	5.1
RB	12	291.666667	24.305556			
AB	6	4115.476190	685.912698	28.220	0.0001	7.2
RAB	12	291.666667	24.305556			

COMPLETE FACTORIAL AOV For Arahy Injury Percent May-21-19 (Data Column 4)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	20495.833333				
R	2	79.761905	39.880952	0.630	0.5493	
A	1	4929.166667	4929.166667	637.000	0.0016	2.5
RA	2	15.476190	7.738095			
B	6	8975.000000	1495.833333	54.630	0.0001	5.4
RB	12	328.571429	27.380952			
AB	6	5408.333333	901.388889	14.241	0.0001	11.6
RAB	12	759.523810	63.293651			

COMPLETE FACTORIAL AOV For Arahy Injury Percent May-28-19 (Data Column 5)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	9610.119048				
R	2	201.190476	100.595238	2.510	0.1228	
A	1	2072.023810	2072.023810	94.081	0.0105	4.2
RA	2	44.047619	22.023810			
B	6	4105.952381	684.325397	16.743	0.0001	6.6
RB	12	490.476190	40.873016			
AB	6	2215.476190	369.246032	9.213	0.0006	9.2
RAB	12	480.952381	40.079365			

COMPLETE FACTORIAL AOV For Arahy Stunting Percent Jun-11-19 (Data Column 6)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	3641.071429				
R	2	25.000000	12.500000	0.545	0.5933	
A	1	572.023810	572.023810	7.226	0.1150	8.0
RA	2	158.333333	79.166667			
B	6	1653.571429	275.595238	14.698	0.0001	4.5
RB	12	225.000000	18.750000			
AB	6	732.142857	122.023810	5.325	0.0068	7.0
RAB	12	275.000000	22.916667			

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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PEANUT TOLERANCE TO PRE AND EPOST APPLICATIONS
OF TRIFLUDIMOXAZIN (BAS-850-01H) - WEED-FREE
Trial ID: PE-11-19 Study Dir.: LARRY NEWSOME
Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For Arahy Stunting Percent Jun-26-19 (Data Column 7)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	557.142857				
R	2	32.142857	16.071429	1.286	0.3119	
A	1	9.523810	9.523810	2.286	0.2697	1.8
RA	2	8.333333	4.166667			
B	6	223.809524	37.301587	5.875	0.0046	2.6
RB	12	76.190476	6.349206			
AB	6	57.142857	9.523810	0.762	0.6133	5.1
RAB	12	150.000000	12.500000			

COMPLETE FACTORIAL AOV For Arahy Stunting Percent Aug-1-19 (Data Column 8)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	47.619048				
R	2	1.190476	0.595238	0.462	0.6411	
A	1	2.380952	2.380952	4.000	0.1835	0.7
RA	2	1.190476	0.595238			
B	6	5.952381	0.992063	0.769	0.6084	1.2
RB	12	15.476190	1.289683			
AB	6	5.952381	0.992063	0.769	0.6084	1.7
RAB	12	15.476190	1.289683			

COMPLETE FACTORIAL AOV For ----- ARAHY DIRTY YIELD LBS/PLOT Sep-23-19 1 (Data Column 9)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	138.773333				
R	2	33.464762	16.732381	6.364	0.0131	
A	1	5.357143	5.357143	1.855	0.3064	1.5
RA	2	5.777143	2.888571			
B	6	7.993333	1.332222	0.356	0.8928	2.0
RB	12	44.885238	3.740437			
AB	6	9.742857	1.623810	0.618	0.7132	2.4
RAB	12	31.552857	2.629405			

COMPLETE FACTORIAL AOV For ----- ARAHY CLEAN YIELD LBS/PLOT Sep-23-19 T1 1 (Data Column 10)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	133.277909				
R	2	32.139557	16.069779	6.364	0.0131	
A	1	5.145000	5.145000	1.855	0.3064	1.5
RA	2	5.548368	2.774184			
B	6	7.676797	1.279466	0.356	0.8928	2.0
RB	12	43.107783	3.592315			
AB	6	9.357040	1.559507	0.618	0.7132	2.3
RAB	12	30.303364	2.525280			

COMPLETE FACTORIAL AOV For ----- ARAHY CLEAN YIELD LBS/A Sep-23-19 TY2 0 (Data Column 11)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	41	11872712.166521				
R	2	2863067.970429	1431533.985215	6.364	0.0131	
A	1	458328.798841	458328.798841	1.855	0.3064	448
RA	2	494261.776670	247130.888335			
B	6	683867.308208	113977.884701	0.356	0.8928	582
RB	12	3840143.488883	320011.957407			
AB	6	833547.308825	138924.551471	0.618	0.7132	690
RAB	12	2699495.514665	224957.959555			

PRM Data Type
T1 = [9]*0.98
TY2 = 298.4667*[10]

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 TOLERANCE TO PRE AND EPOST APPLICATIONS
OF TRIFLUDIMOXAZIN (BAS-850-01H) - WEED-FREE
Trial ID: PE-11-19 Study Dir.: LARRY NEWSOME
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	Plot	1	2	3	4	5	6	7
	Weed Code							Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy
	Crop Code													
	Part Rated													
	Rating Data Type							Stand	Stunting	Injury	Injury	Injury	Stunting	Stunting
	Rating Unit							#/3 ft	Percent	Percent	Percent	Percent	Percent	Percent
	Rating Date							May-10-19	May-10-19	May-14-19	May-21-19	May-28-19	Jun-11-19	Jun-26-19
	PRM Data Type													
	# Subsamples, Dec.													
1	PREEMERGENCE					A	214	16.0	0.0	0.0	0.0	0.0	0.0	0.0
	NTC						303	14.0	0.0	0.0	0.0	0.0	0.0	0.0
							407	13.0	0.0	0.0	0.0	0.0	0.0	0.0
							Mean =	14.3	0.0	0.0	0.0	0.0	0.0	0.0
2	PREEMERGENCE					A	203	13.0	5.0	0.0	10.0	0.0	5.0	5.0
	BAS-850-1H	4.17	SC	0.685	oz/a		306	14.0	5.0	5.0	20.0	0.0	0.0	0.0
							410	13.0	0.0	0.0	10.0	0.0	5.0	0.0
							Mean =	13.3	3.3	1.7	13.3	0.0	3.3	1.7
3	PREEMERGENCE					A	213	17.0	5.0	10.0	20.0	10.0	0.0	0.0
	BAS-850-1H	4.17	SC	1.03	oz/a		310	15.0	5.0	5.0	10.0	0.0	0.0	0.0
							405	13.0	10.0	5.0	0.0	10.0	0.0	0.0
							Mean =	15.0	6.7	6.7	10.0	6.7	0.0	0.0
4	PREEMERGENCE					A	206	14.0	5.0	0.0	10.0	10.0	0.0	0.0
	BAS-850-1H	4.17	SC	1.37	oz/a		312	15.0	10.0	10.0	10.0	10.0	0.0	0.0
							401	14.0	5.0	10.0	10.0	0.0	0.0	0.0
							Mean =	14.3	6.7	6.7	10.0	6.7	0.0	0.0
5	PREEMERGENCE					A	207	12.0	20.0	20.0	20.0	15.0	0.0	0.0
	BAS-850-1H	4.17	SC	2.06	oz/a		313	15.0	10.0	5.0	10.0	0.0	0.0	0.0
							402	15.0	5.0	0.0	10.0	0.0	0.0	0.0
							Mean =	14.0	11.7	8.3	13.3	5.0	0.0	0.0
6	PREEMERGENCE					A	205	12.0	10.0	20.0	30.0	20.0	5.0	5.0
	VALOR SX	51	WG	3.0	oz/a		311	15.0	10.0	40.0	40.0	20.0	5.0	0.0
							408	16.0	10.0	20.0	30.0	10.0	5.0	0.0
							Mean =	14.3	10.0	26.7	33.3	16.7	5.0	1.7
7	PREEMERGENCE					A	212	17.0	20.0	55.0	50.0	30.0	10.0	5.0
	VALOR SX	51	WG	6.0	oz/a		305	13.0	20.0	60.0	65.0	40.0	30.0	5.0
							403	16.0	20.0	65.0	65.0	40.0	30.0	15.0
							Mean =	15.3	20.0	60.0	60.0	36.7	23.3	8.3
8	CRACKING (EPOST)					B	201	18.0	0.0	0.0	0.0	0.0	0.0	0.0
	NTC						309	16.0	0.0	0.0	0.0	0.0	0.0	0.0
							411	11.0	0.0	0.0	0.0	0.0	0.0	0.0
							Mean =	15.0	0.0	0.0	0.0	0.0	0.0	0.0
9	CRACKING (EPOST)					B	211	13.0	0.0	0.0	40.0	20.0	10.0	0.0
	BAS-850-1H	4.17	SC	0.685	oz/a		314	13.0	0.0	0.0	40.0	10.0	5.0	0.0
							412	13.0	0.0	0.0	40.0	20.0	5.0	0.0
							Mean =	13.0	0.0	0.0	40.0	16.7	6.7	0.0
10	CRACKING (EPOST)					B	204	13.0	0.0	0.0	40.0	20.0	10.0	10.0
	BAS-850-1H	4.17	SC	1.03	oz/a		307	15.0	0.0	0.0	50.0	30.0	10.0	0.0
							413	14.0	0.0	0.0	60.0	30.0	10.0	0.0
							Mean =	14.0	0.0	0.0	50.0	26.7	10.0	3.3
11	CRACKING (EPOST)					B	210	13.0	0.0	0.0	65.0	50.0	25.0	5.0
	BAS-850-1H	4.17	SC	1.37	oz/a		304	14.0	5.0	0.0	50.0	30.0	20.0	0.0
							414	14.0	0.0	0.0	50.0	30.0	10.0	0.0
							Mean =	13.7	1.7	0.0	55.0	36.7	18.3	1.7
12	CRACKING (EPOST)					B	209	12.0	0.0	0.0	65.0	50.0	30.0	10.0
	BAS-850-1H	4.17	SC	2.06	oz/a		302	13.0	0.0	0.0	65.0	30.0	10.0	0.0
							404	12.0	0.0	0.0	50.0	40.0	20.0	5.0
							Mean =	12.3	0.0	0.0	60.0	40.0	20.0	5.0
13	CRACKING (EPOST)					B	208	16.0	0.0	0.0	40.0	20.0	10.0	0.0
	VALOR SX	51	WG	3.0	oz/a		301	15.0	0.0	0.0	50.0	20.0	5.0	0.0
							409	16.0	0.0	0.0	40.0	20.0	10.0	5.0
							Mean =	15.7	0.0	0.0	43.3	20.0	8.3	1.7
14	CRACKING (EPOST)					B	202	16.0	0.0	0.0	50.0	40.0	25.0	5.0
	VALOR SX	51	WG	6.0	oz/a		308	14.0	0.0	0.0	40.0	30.0	20.0	10.0
							406	16.0	0.0	0.0	40.0	20.0	15.0	5.0
							Mean =	15.3	0.0	0.0	43.3	30.0	20.0	6.7

University of Georgia

PEANUT TOLERANCE TO PRE AND EPOST APPLICATIONS
OF TRIFLUDIMOXAZIN (BAS-850-01H) - WEED-FREE
Trial ID: PE-11-19 Study Dir.: LARRY NEWSOME
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	Plot	8	9	10	11
	Weed Code							Arahy	ARAHY	ARAHY	ARAHY
	Crop Code								DIRTY -	CLEAN -	CLEAN -
	Part Rated								YIELD	YIELD	YIELD
	Rating Data Type							Stunting	LBS/PLOT	LBS/PLOT	LBS/A
	Rating Unit							Percent	Sep-23-19	Sep-23-19	Sep-23-19
	Rating Date							Aug-1-19		T1	TY2
	PRM Data Type										
	# Subsamples, Dec.								- 1	- 1	- 0
1	PREEMERGENCE					A	214	0.0	23.4	22.9	6844
	NTC						303	0.0	21.1	20.7	6172
							407	0.0	20.8	20.4	6084
							Mean =	0.0	21.8	21.3	6367
2	PREEMERGENCE					A	203	0.0	24.4	23.9	7137
	BAS-850-1H	4.17	SC	0.685	oz/a		306	0.0	22.7	22.2	6640
							410	0.0	19.2	18.8	5616
							Mean =	0.0	22.1	21.7	6464
3	PREEMERGENCE					A	213	0.0	24.0	23.5	7020
	BAS-850-1H	4.17	SC	1.03	oz/a		310	0.0	21.2	20.8	6201
							405	0.0	20.8	20.4	6084
							Mean =	0.0	22.0	21.6	6435
4	PREEMERGENCE					A	206	0.0	24.0	23.5	7020
	BAS-850-1H	4.17	SC	1.37	oz/a		312	0.0	22.4	22.0	6552
							401	0.0	24.9	24.4	7283
							Mean =	0.0	23.8	23.3	6952
5	PREEMERGENCE					A	207	0.0	21.1	20.7	6172
	BAS-850-1H	4.17	SC	2.06	oz/a		313	0.0	22.4	22.0	6552
							402	0.0	23.6	23.1	6903
							Mean =	0.0	22.4	21.9	6542
6	PREEMERGENCE					A	205	0.0	22.9	22.4	6698
	VALOR SX	51	WG	3.0	oz/a		311	0.0	21.3	20.9	6230
							408	0.0	21.3	20.9	6230
							Mean =	0.0	21.8	21.4	6386
7	PREEMERGENCE					A	212	0.0	23.5	23.0	6874
	VALOR SX	51	WG	6.0	oz/a		305	0.0	21.8	21.4	6376
							403	0.0	21.3	20.9	6230
							Mean =	0.0	22.2	21.8	6493
8	CRACKING (EPOST)					B	201	0.0	24.9	24.4	7283
	NTC						309	0.0	20.5	20.1	5996
							411	0.0	17.2	16.9	5031
							Mean =	0.0	20.9	20.4	6103
9	CRACKING (EPOST)					B	211	0.0	23.3	22.8	6815
	BAS-850-1H	4.17	SC	0.685	oz/a		314	0.0	21.6	21.2	6318
							412	0.0	20.3	19.9	5938
							Mean =	0.0	21.7	21.3	6357
10	CRACKING (EPOST)					B	204	5.0	22.5	22.1	6581
	BAS-850-1H	4.17	SC	1.03	oz/a		307	0.0	21.4	21.0	6259
							413	0.0	19.0	18.6	5557
							Mean =	1.7	21.0	20.5	6133
11	CRACKING (EPOST)					B	210	0.0	22.1	21.7	6464
	BAS-850-1H	4.17	SC	1.37	oz/a		304	0.0	23.0	22.5	6727
							414	0.0	18.6	18.2	5440
							Mean =	0.0	21.2	20.8	6211
12	CRACKING (EPOST)					B	209	0.0	22.0	21.6	6435
	BAS-850-1H	4.17	SC	2.06	oz/a		302	0.0	22.9	22.4	6698
							404	0.0	22.9	22.4	6698
							Mean =	0.0	22.6	22.1	6610
13	CRACKING (EPOST)					B	208	0.0	21.1	20.7	6172
	VALOR SX	51	WG	3.0	oz/a		301	0.0	25.8	25.3	7546
							409	0.0	20.6	20.2	6025
							Mean =	0.0	22.5	22.1	6581
14	CRACKING (EPOST)					B	202	0.0	23.4	22.9	6844
	VALOR SX	51	WG	6.0	oz/a		308	5.0	18.5	18.1	5411
							406	0.0	21.5	21.1	6289
							Mean =	1.7	21.1	20.7	6181

University of Georgia

PEANUT TOLERANCE TO PRE AND EPOST APPLICATIONS
OF TRIFLUDIMOXAZIN (BAS-850-01H) - WEED-FREE

Trial ID:	PE-11-19	Study Dir.:	LARRY NEWSOME
Location:	PONDER FARM	Investigator:	Eric P. Prostko

PRM Data Type
T1 = [9]*0.98
TY2 = 298.4667*[10]