

University of Georgia

LENGTH OF RESIDUAL CONTROL IN PEANUT
WITH TRIFLUDIMOXAZIN (BAS-850-01H) AND BRAKE

Trial ID: PE-10-23 Study Dir.: JACOB SMITH
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	Grow Unit	Appl Stg	Appl Code	Amt Product to Measure	Diluent	Rep			
										1	2	3	4
1	NTC								-	101	208	311	407
2	TRIFLUDIMOXAZIN	4.17	SC	0.68	oz/a	PRE	A	0.5312 mL/mx	1499.5 mL	102	209	306	410
3	TRIFLUDIMOXAZIN	4.17	SC	1.0	oz/a	PRE	A	0.7812 mL/mx	1499.2 mL	103	211	305	412
4	TRIFLUDIMOXAZIN	4.17	SC	2.0	oz/a	PRE	A	1.562 mL/mx	1498.4 mL	104	202	304	411
5	VALOR EZ	4	SC	3.0	oz/a	PRE	A	2.344 mL/mx	1497.7 mL	105	207	303	408
6	PROWL H2O	3.8	SC	32.0	oz/a	PRE	A	25.0 mL/mx	1475 mL	106	205	309	404
7	TRIFLUDIMOXAZIN	4.17	SC	0.68	oz/a	PRE	A	0.5312 mL/mx	1474.5 mL	107	210	307	405
	PROWL H2O	3.8	SC	32.0	oz/a	PRE	A	25.0 mL/mx					
8	TRIFLUDIMOXAZIN	4.17	SC	1.0	oz/a	PRE	A	0.7812 mL/mx	1474.2 mL	108	203	301	406
	PROWL H2O	3.8	SC	32.0	oz/a	PRE	A	25.0 mL/mx					
9	VALOR EZ	4	SC	3.0	oz/a	PRE	A	2.344 mL/mx	1472.7 mL	109	206	308	402
	PROWL H2O	3.8	SC	32.0	oz/a	PRE	A	25.0 mL/mx					
10	BRAKE	1.2	SL	12.0	oz/a	PRE	A	9.375 mL/mx	1490.6 mL	110	201	312	401
11	BRAKE	1.2	SL	12.0	oz/a	PRE	A	9.375 mL/mx	1465.6 mL	111	212	310	403
	PROWL H2O	3.8	SC	32.0	oz/a	PRE	A	25.0 mL/mx					
12	TRIFLUDIMOXAZIN	4.17	SC	1.0	oz/a	PRE	A	0.7812 mL/mx	1474.2 mL	112	204	302	409
	SONALAN HFP	3	EC	32.0	oz/a	PRE	A	25.0 mL/mx					

Sort Order: Replicate 1

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Trial Comments

SELECT MAX @ 16 OZ/A + COC @ 1% V/V - MAY 25

FIRST IRRIGATION EVENT OCCURED ON MAY 11 (9 DAP/8 DAT) DUE TO IRRIGATION PUMP PROBLEM.

SUMMARY:

- 1) AT 13 DAT, TRIFLUDIMOXAZIN @ 2 OZ.A AND VALOR EZ @ 3 OZ/A CAUSED PEANUT STUNTING THAT EXCEEDED 22%. GENERALLY, VALOR CAUSED MORE PEANUT STUNTING THAN TRIFLUDIMOXAZIN.
- 2) AT 13 DAT, TRIFLUDIMOXAZIN @ 1 OR 2 OZ/A CAUSED MORE PEANUT LEAF NECROSIS THAN VALOR @ 3 OZ/A.
- 3) BRAKE @ 12 OZ/A CAUSED SIGNIFICANT PEANUT BLEACHING.
- 4) AT 34 DAT, VALOR @ 3 OZ AND TRIFLUDIMOXAZIN @ 2 OZ/A WERE STILL CAUSING AT LEAST 10% PEANUT STUNTING. BUT, LEAF NECROSIS AND BLEACHING SYMPTOMS WERE NOT EVIDENT WITH ANY TREATMENT.
- 4) GENERALLY, TRIFLUDIMOXAZIN + PROWL AND AND BRAKE + PROWL PROVIDED LESS CONTROL OF PALMER AMARANTH AND WILD RADISH THAN THAN VALOR + PROWL.
- 5) TRIFLUDIMOXAZIN AND BRAKE WERE LESS EFFECTIVE THAN VALOR IN THIS TRIAL DUE TO THE FACT THAT THE FIRST IRRIGATION/MOISTURE EVENT OCCURED AT 9 DAP/8 DAT. TRIFLUDIMOXAZIN AND BRAKE ARE MORE SENSITIVE TO TIMELY MOISTURE ACTIVATION THAN VALOR.

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Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: JACOB SMITH **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.	AMAPA	PA	LMER AMARANTH
2.	RAPRA	WI	LD RADISH
3.	AGRASS	TX	PAN/GOOSE/CROW/CRAB
4.	IPOLA	PI	TTED MG

Crop 1: ARAHY PEANUT **Variety:** GA-06G
Planting Date: May-2-23 **Planting Method:** MONOSEM TWIN ROW
Rate: 3.1 SEED/FT **Depth:** 2 IN **Perennial Age:** _____
Row Spacing: _____ **Spacing Within Row:** _____ **Seed Bed:** _____
Soil Temperature: _____ **Soil Moisture:** OPTIMUM **Emergence Date:** _____

SITE AND DESIGN

Plot Width, Unit: 6 FT **Plot Length, Unit:** 25 FT **Reps:** 4
Site Type: _____
Tillage Type: CONVENTIONAL **Study Design:** RACOBL

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.	CORN		2022

MAINTENANCE

Field Prep./Maintenance: 1.0 TONS/A LIME - PREPLANT
300 LBS/A 5-15-30 - PREPLANT
THIMET 20G INFR @ 5 LBS/A
36"-9" TWIN ROWS
RANCONA SEED TRT
1000 LBS/A GYPSUM

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

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SOIL DESCRIPTION

% Sand: 96 % OM: 0.82 Texture: SAND
 % Silt: 2 pH: 6.0 Soil Name: TIFTON
 % Clay: 2 CEC: 2.5 Fert. Level: GOOD

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	May-11-23		0.5	IN	SPRINKLER - LATERAL MOVE		
2.	May-12-23		2.5	IN	RAINFALL		
3.	May-20-23		0.1	IN	RAINFALL		
4.	May-22-23		0.75	IN	RAINFALL		
5.	May-23-23		0.3	IN	RAINFALL		
6.	Jun-1-23		0.3	IN	SPRINKLER - LATERAL MOVE		
7.	Jun-7-23		0.5	IN	SPRINKLER - LATERAL MOVE		
8.	Jun-7-23		0.5	IN	RAINFALL		
9.	Jun-12-23		0.65	IN	RAINFALL		
10.	Jun-13-23		0.6	IN	RAINFALL		
11.	Jun-14-23		2.0	IN	RAINFALL		
12.	Jun-15-23		2.2	IN	RAINFALL		

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

APPLICATION DESCRIPTION

	A
Application Date:	May-3-23
Time of Day:	6:30 AM
Application Method:	BROADCAST
Application Timing:	PRE
Applic. Placement:	SOIL
Air Temp., Unit:	51 F
% Relative Humidity:	72
Wind Velocity, Unit:	0 MPH
Dew Presence (Y/N):	N
Water Hardness:	--
Soil Temp., Unit:	61 F
Soil Moisture:	OPTIMUM
% Cloud Cover:	5

CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	ARAHY,
Stage Scale:	
Height, Unit:	

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WEED STAGE AT EACH APPLICATION	
	A
Weed 1 Code, Stage:	AMAPA,
Stage Scale:	
Density, Unit:	
Weed 2 Code, Stage:	RAPRA,
Stage Scale:	
Density, Unit:	
Weed 3 Code, Stage:	AGRAS,
Stage Scale:	
Density, Unit:	
Weed 4 Code, Stage:	IPOLA,
Stage Scale:	
Density, Unit:	

APPLICATION EQUIPMENT	
	A
Appl. Equipment:	BACKPACK
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):	

Trt No	Treatment Application Comment

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Weed Code				Arahy	Arahy	Arahy	Amapa	Arahy	Arahy	Arahy	Amapa	Rapra				
Crop Code				Stunting	Bleaching	Necrosis	Control	Stunting	Bleaching	Necrosis	Control	Control				
Rating Data Type				%	%	%		%	%	%	%	%				
Rating Unit				May-16-23	May-16-23	May-16-23	May-16-23	May-23-23	May-23-23	May-23-23	May-23-23	May-23-23				
Rating Date				13 DA-A	13 DA-A	13 DA-A	13 DA-A	20 DA-A	20 DA-A	20 DA-A	20 DA-A	20 DA-A				
Trt-Eval Interval																
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	1	2	3	4	5	6	7	8	9
1	NTC							0.0 g	0.0 b	0.0 e	0.0 e	0.0 c	0.0 d	0.0 g	0.0 h	0.0 d
2	TRIFLUDIMOXAZIN	4.17	SC	0.68 oz/a	PRE	A		5.0 ef	0.0 b	3.8 d	93.3 b	1.3 c	0.0 d	3.8 def	78.8 de	78.8 abc
3	TRIFLUDIMOXAZIN	4.17	SC	1.0 oz/a	PRE	A		5.0 ef	0.0 b	12.5 c	99.0 a	3.8 bc	1.3 c	5.0 cde	81.3 d	90.0 abc
4	TRIFLUDIMOXAZIN	4.17	SC	2.0 oz/a	PRE	A		22.5 b	0.0 b	28.8 a	99.0 a	15.0 a	0.0 d	11.3 a	98.0 ab	93.5 ab
5	VALOR EZ	4	SC	3.0 oz/a	PRE	A		27.5 a	0.0 b	5.0 d	99.0 a	12.5 a	0.0 d	1.3 fg	99.0 a	97.0 ab
6	PROWL H2O	3.8	SC	32.0 oz/a	PRE	A		5.0 ef	0.0 b	0.0 e	91.0 b	2.5 bc	0.0 d	0.0 g	65.0 f	71.3 c
7	TRIFLUDIMOXAZIN PROWL H2O	4.17 3.8	SC SC	0.68 oz/a 32.0 oz/a	PRE PRE	A A		8.8 d	0.0 b	11.3 c	99.0 a	3.8 bc	0.0 d	6.3 bcd	83.8 cd	87.5 abc
8	TRIFLUDIMOXAZIN PROWL H2O	4.17 3.8	SC SC	1.0 oz/a 32.0 oz/a	PRE PRE	A A		12.5 c	0.0 b	18.8 b	99.0 a	6.3 b	0.0 d	7.5 bc	90.0 bc	78.8 abc
9	VALOR EZ PROWL H2O	4 3.8	SC SC	3.0 oz/a 32.0 oz/a	PRE PRE	A A		30.0 a	0.0 b	5.0 d	99.0 a	15.0 a	0.0 d	2.5 efg	99.0 a	98.0 a
10	BRAKE	1.2	SL	12.0 oz/a	PRE	A		3.8 f	13.8 a	0.0 e	72.5 d	1.3 c	11.3 a	0.0 g	51.3 g	76.3 bc
11	BRAKE PROWL H2O	1.2 3.8	SL SC	12.0 oz/a 32.0 oz/a	PRE PRE	A A		7.5 de	12.5 a	0.0 e	85.0 c	2.5 bc	10.0 b	0.0 g	72.5 ef	82.5 abc
12	TRIFLUDIMOXAZIN SONALAN HFP	4.17 3	SC EC	1.0 oz/a 32.0 oz/a	PRE PRE	A A		10.0 cd	0.0 b	16.3 b	99.0 a	3.8 bc	0.0 d	8.8 ab	85.0 cd	87.5 abc
LSD P=.10				3.52	1.28	2.95		4.61	4.05	1.24	2.73	8.31	21.48			
Standard Deviation				2.94	1.07	2.47		3.86	3.38	1.04	2.28	6.95	17.95			
CV				25.67	49.07	29.22		4.47	60.1	55.25	59.12	9.23	22.89			
Grand Mean				11.46	2.19	8.44		86.23	5.63	1.88	3.85	75.29	78.42			

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.
^Calculated from residual.

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Trial ID: PE-10-23 Study Dir.: JACOB SMITH
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code				Agrass	Arahy	Arahy	Arahy	Amapa	Amapa	Rapra				
Crop Code				Control	Stunting	Necrosis	Bleaching	Control	Control	Control				
Rating Data Type				%	%	%	%	%	%	%				
Rating Unit				May-23-23	Jun-6-23	Jun-6-23	Jun-6-23	Jun-6-23	Jun-26-23	Jun-26-23				
Rating Date				20 DA-A	34 DA-A	34 DA-A	34 DA-A	34 DA-A	54 DA-A	54 DA-A				
Trt-Eval Interval														
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	10	11	12	13	14	15	16
1	NTC							0.0 e	0.0 c	0.0 -	0.0 b	0.0 g	0.0 f	0.0 c
2	TRIFLUDIMOXAZIN	4.17	SC	0.68 oz/a	PRE	A		0.0 e	0.0 c	0.0 -	0.0 b	46.3 d	45.0 de	32.5 bc
3	TRIFLUDIMOXAZIN	4.17	SC	1.0 oz/a	PRE	A		23.8 d	1.3 bc	1.3 -	0.0 b	57.5 c	60.0 c	20.0 bc
4	TRIFLUDIMOXAZIN	4.17	SC	2.0 oz/a	PRE	A		77.5 bc	10.0 a	0.0 -	0.0 b	86.3 b	76.3 b	22.5 bc
5	VALOR EZ	4	SC	3.0 oz/a	PRE	A		98.0 a	11.3 a	0.0 -	0.0 b	99.0 a	93.8 a	32.5 bc
6	PROWL H2O	3.8	SC	32.0 oz/a	PRE	A		66.3 c	2.5 bc	0.0 -	0.0 b	36.3 e	37.5 e	23.8 bc
7	TRIFLUDIMOXAZIN	4.17	SC	0.68 oz/a	PRE	A		78.8 abc	3.8 b	0.0 -	0.0 b	51.3 cd	51.3 cd	27.5 bc
	PROWL H2O	3.8	SC	32.0 oz/a	PRE	A								
8	TRIFLUDIMOXAZIN	4.17	SC	1.0 oz/a	PRE	A		85.0 abc	1.3 bc	0.0 -	0.0 b	56.3 c	48.8 d	20.0 bc
	PROWL H2O	3.8	SC	32.0 oz/a	PRE	A								
9	VALOR EZ	4	SC	3.0 oz/a	PRE	A		97.0 ab	12.5 a	0.0 -	0.0 b	98.0 a	93.8 a	86.3 a
	PROWL H2O	3.8	SC	32.0 oz/a	PRE	A								
10	BRAKE	1.2	SL	12.0 oz/a	PRE	A		95.0 ab	0.0 c	0.0 -	0.0 b	21.3 f	10.0 f	22.5 bc
11	BRAKE	1.2	SL	12.0 oz/a	PRE	A		93.8 ab	0.0 c	0.0 -	2.5 a	47.5 d	43.8 de	23.8 bc
	PROWL H2O	3.8	SC	32.0 oz/a	PRE	A								
12	TRIFLUDIMOXAZIN	4.17	SC	1.0 oz/a	PRE	A		90.0 ab	2.5 bc	0.0 -	0.0 b	58.8 c	60.0 c	35.0 b
	SONALAN HFP	3	EC	32.0 oz/a	PRE	A								
LSD P=.10				20.03	3.58	0.86	1.00	8.49	11.07	33.71				
Standard Deviation				16.74	2.99	0.72	0.83	7.09	9.25	28.17				
CV				24.95	79.84	692.82	400.0	12.93	17.91	97.63				
Grand Mean				67.08	3.75	0.10	0.21	54.85	51.67	28.85				

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 ^Calculated from residual.

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Trial ID:	PE-10-23	Study Dir.:	JACOB SMITH			
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
Randomized Complete Block (RCB) AOV For Arahy Stunting % May-16-23 13 DA-A (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	4547.916667				
Replicate	3	2.083333	0.694444	0.080	0.9703	
Treatment	11	4260.416667	387.310606	44.781	0.0001	
Error	33	285.416667	8.648990			
Randomized Complete Block (RCB) AOV For Arahy Bleaching % May-16-23 13 DA-A (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	1195.312500				
Replicate	3	5.729167	1.909722	1.658	0.1951	
Treatment	11	1151.562500	104.687500	90.863	0.0001	
Error	33	38.020833	1.152146			
Randomized Complete Block (RCB) AOV For Arahy Necrosis % May-16-23 13 DA-A (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	3957.812500				
Replicate	3	18.229167	6.076389	1.000	0.4051	
Treatment	11	3739.062500	339.914773	55.940	0.0001	
Error	33	200.520833	6.076389			
Randomized Complete Block (RCB) AOV For Amapa Control May-16-23 13 DA-A (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	35928.479167				
Replicate	3	81.062500	27.020833	1.817	0.1632	
Treatment	11	35356.729167	3214.248106	216.166	0.0001	
Error	33	490.687500	14.869318			
Randomized Complete Block (RCB) AOV For Arahy Stunting % May-23-23 20 DA-A (Data Column 5)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	1681.250000				
Replicate	3	10.416667	3.472222	0.304	0.8224	
Treatment	11	1293.750000	117.613636	10.293	0.0001	
Error	33	377.083333	11.426768			
Randomized Complete Block (RCB) AOV For Arahy Bleaching % May-23-23 20 DA-A (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	781.250000				
Replicate	3	2.083333	0.694444	0.647	0.5904	
Treatment	11	743.750000	67.613636	63.000	0.0001	
Error	33	35.416667	1.073232			
Randomized Complete Block (RCB) AOV For Arahy Necrosis % May-23-23 20 DA-A (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	911.979167				
Replicate	3	72.395833	24.131944	4.647	0.0081	
Treatment	11	668.229167	60.748106	11.699	0.0001	
Error	33	171.354167	5.192551			
Randomized Complete Block (RCB) AOV For Amapa Control % May-23-23 20 DA-A (Data Column 8)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	35431.916667				
Replicate	3	119.750000	39.916667	0.827	0.4883	
Treatment	11	33719.916667	3065.446970	63.533	0.0001	
Error	33	1592.250000	48.250000			
Randomized Complete Block (RCB) AOV For Rapra Control % May-23-23 20 DA-A (Data Column 9)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	41345.666667				
Replicate	3	805.666667	268.555556	0.834	0.4850	
Treatment	11	29910.666667	2719.151515	8.442	0.0001	
Error	33	10629.333333	322.101010			
Randomized Complete Block (RCB) AOV For Agrass Control % May-23-23 20 DA-A (Data Column 10)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	72171.666667				
Replicate	3	1684.500000	561.500000	2.005	0.1324	
Treatment	11	61243.666667	5567.606061	19.877	0.0001	
Error	33	9243.500000	280.106061			

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Randomized Complete Block (RCB) AOV For Arahy Stunting % Jun-6-23 34 DA-A (Data Column 11)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	1275.000000			
Replicate	3	4.166667	1.388889	0.155	0.9258
Treatment	11	975.000000	88.636364	9.887	0.0001
Error	33	295.833333	8.964646		

Randomized Complete Block (RCB) AOV For Arahy Necrosis % Jun-6-23 34 DA-A (Data Column 12)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	24.479167			
Replicate	3	1.562500	0.520833	1.000	0.4051
Treatment	11	5.729167	0.520833	1.000	0.4671
Error	33	17.187500	0.520833		

Randomized Complete Block (RCB) AOV For Arahy Bleaching % Jun-6-23 34 DA-A (Data Column 13)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	47.916667			
Replicate	3	2.083333	0.694444	1.000	0.4051
Treatment	11	22.916667	2.083333	3.000	0.0071
Error	33	22.916667	0.694444		

Randomized Complete Block (RCB) AOV For Amapa Control % Jun-6-23 34 DA-A (Data Column 14)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	39525.979167			
Replicate	3	83.395833	27.798611	0.553	0.6499
Treatment	11	37782.729167	3434.793561	68.288	0.0001
Error	33	1659.854167	50.298611		

Randomized Complete Block (RCB) AOV For Amapa Control % Jun-26-23 54 DA-A (Data Column 15)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	39066.666667			
Replicate	3	212.500000	70.833333	0.827	0.4883
Treatment	11	36029.166667	3275.378788	38.261	0.0001
Error	33	2825.000000	85.606061		

Randomized Complete Block (RCB) AOV For Rapra Control % Jun-26-23 54 DA-A (Data Column 16)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	71661.979167			
Replicate	3	27543.229167	9181.076389	11.569	0.0001
Treatment	11	17930.729167	1630.066288	2.054	0.0544
Error	33	26188.020833	793.576389		

Rating Unit
% = PERCENT

University of Georgia

LENGTH OF RESIDUAL CONTROL IN PEANUT
WITH TRIFLUDIMOXAZIN (BAS-850-01H) AND BRAKE

Trial ID: PE-10-23 Study Dir.: JACOB SMITH
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code				Arahy	Arahy	Arahy	Amapa	Arahy	Arahy	Arahy	Amapa			
Crop Code				Stunting	Bleaching	Necrosis	Control	Stunting	Bleaching	Necrosis	Control			
Rating Data Type				%	%	%		%	%	%	%			
Rating Unit				May-16-23	May-16-23	May-16-23	May-16-23	May-23-23	May-23-23	May-23-23	May-23-23			
Rating Date				13 DA-A	13 DA-A	13 DA-A	13 DA-A	20 DA-A	20 DA-A	20 DA-A	20 DA-A			
Trt-Eval Interval														
Trt No.	Treatment Name	Form Conc	Rate Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5	6	7	8
1	NTC					101	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	0.0
						311	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	TRIFLUDIMOXAZIN	4.17 SC	0.68 oz/a	PRE	A	102	5.0	0.0	5.0	99.0	0.0	0.0	5.0	75.0
						209	5.0	0.0	10.0	85.0	0.0	0.0	5.0	65.0
						306	5.0	0.0	0.0	99.0	0.0	0.0	0.0	85.0
						410	5.0	0.0	0.0	90.0	5.0	0.0	5.0	90.0
						Mean =	5.0	0.0	3.8	93.3	1.3	0.0	3.8	78.8
3	TRIFLUDIMOXAZIN	4.17 SC	1.0 oz/a	PRE	A	103	10.0	0.0	15.0	99.0	5.0	0.0	10.0	90.0
						211	0.0	0.0	15.0	99.0	0.0	0.0	5.0	75.0
						305	5.0	0.0	10.0	99.0	10.0	0.0	5.0	95.0
						412	5.0	0.0	10.0	99.0	0.0	5.0	0.0	65.0
						Mean =	5.0	0.0	12.5	99.0	3.8	1.3	5.0	81.3
4	TRIFLUDIMOXAZIN	4.17 SC	2.0 oz/a	PRE	A	104	20.0	0.0	30.0	99.0	15.0	0.0	15.0	99.0
						202	20.0	0.0	30.0	99.0	15.0	0.0	10.0	99.0
						304	25.0	0.0	25.0	99.0	15.0	0.0	10.0	99.0
						411	25.0	0.0	30.0	99.0	15.0	0.0	10.0	95.0
						Mean =	22.5	0.0	28.8	99.0	15.0	0.0	11.3	98.0
5	VALOR EZ	4 SC	3.0 oz/a	PRE	A	105	25.0	0.0	5.0	99.0	15.0	0.0	0.0	99.0
						207	30.0	0.0	5.0	99.0	10.0	0.0	5.0	99.0
						303	30.0	0.0	5.0	99.0	15.0	0.0	0.0	99.0
						408	25.0	0.0	5.0	99.0	10.0	0.0	0.0	99.0
						Mean =	27.5	0.0	5.0	99.0	12.5	0.0	1.3	99.0
6	PROWL H2O	3.8 SC	32.0 oz/a	PRE	A	106	5.0	0.0	0.0	99.0	0.0	0.0	0.0	65.0
						205	5.0	0.0	0.0	85.0	5.0	0.0	0.0	65.0
						309	0.0	0.0	0.0	85.0	0.0	0.0	0.0	65.0
						404	10.0	0.0	0.0	95.0	5.0	0.0	0.0	65.0
						Mean =	5.0	0.0	0.0	91.0	2.5	0.0	0.0	65.0
7	TRIFLUDIMOXAZIN	4.17 SC	0.68 oz/a	PRE	A	107	10.0	0.0	15.0	99.0	0.0	0.0	5.0	95.0
	PROWL H2O	3.8 SC	32.0 oz/a	PRE	A	210	10.0	0.0	10.0	99.0	5.0	0.0	10.0	85.0
						307	10.0	0.0	10.0	99.0	5.0	0.0	10.0	80.0
						405	5.0	0.0	10.0	99.0	5.0	0.0	0.0	75.0
						Mean =	8.8	0.0	11.3	99.0	3.8	0.0	6.3	83.8
8	TRIFLUDIMOXAZIN	4.17 SC	1.0 oz/a	PRE	A	108	10.0	0.0	20.0	99.0	10.0	0.0	10.0	90.0
	PROWL H2O	3.8 SC	32.0 oz/a	PRE	A	203	15.0	0.0	15.0	99.0	5.0	0.0	10.0	90.0
						301	10.0	0.0	15.0	99.0	0.0	0.0	5.0	85.0
						406	15.0	0.0	25.0	99.0	10.0	0.0	5.0	95.0
						Mean =	12.5	0.0	18.8	99.0	6.3	0.0	7.5	90.0
9	VALOR EZ	4 SC	3.0 oz/a	PRE	A	109	30.0	0.0	5.0	99.0	15.0	0.0	5.0	99.0
	PROWL H2O	3.8 SC	32.0 oz/a	PRE	A	206	30.0	0.0	5.0	99.0	20.0	0.0	5.0	99.0
						308	30.0	0.0	5.0	99.0	10.0	0.0	0.0	99.0
						402	30.0	0.0	5.0	99.0	15.0	0.0	0.0	99.0
						Mean =	30.0	0.0	5.0	99.0	15.0	0.0	2.5	99.0
10	BRAKE	1.2 SL	12.0 oz/a	PRE	A	110	0.0	10.0	0.0	75.0	0.0	15.0	0.0	65.0
						201	5.0	15.0	0.0	65.0	5.0	10.0	0.0	50.0
						312	5.0	15.0	0.0	65.0	0.0	10.0	0.0	50.0
						401	5.0	15.0	0.0	85.0	0.0	10.0	0.0	40.0
						Mean =	3.8	13.8	0.0	72.5	1.3	11.3	0.0	51.3
11	BRAKE	1.2 SL	12.0 oz/a	PRE	A	111	10.0	10.0	0.0	85.0	0.0	10.0	0.0	70.0
	PROWL H2O	3.8 SC	32.0 oz/a	PRE	A	212	10.0	15.0	0.0	85.0	0.0	10.0	0.0	75.0
						310	5.0	15.0	0.0	85.0	5.0	10.0	0.0	75.0
						403	5.0	10.0	0.0	85.0	5.0	10.0	0.0	70.0
						Mean =	7.5	12.5	0.0	85.0	2.5	10.0	0.0	72.5

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LENGTH OF RESIDUAL CONTROL IN PEANUT
WITH TRIFLUDIMOXAZIN (BAS-850-01H) AND BRAKE

Trial ID: PE-10-23 Study Dir.: JACOB SMITH
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code			Rapra	Agrass	Arahy	Arahy	Arahy	Amapa	Amapa	Rapra					
Crop Code			Control	Control	Stunting	Necrosis	Bleaching	Control	Control	Control					
Rating Data Type			%	%	%	%	%	%	%	%					
Rating Unit			May-23-23	May-23-23	Jun-6-23	Jun-6-23	Jun-6-23	Jun-6-23	Jun-26-23	Jun-26-23					
Rating Date			20 DA-A	20 DA-A	34 DA-A	34 DA-A	34 DA-A	34 DA-A	54 DA-A	54 DA-A					
Trt-Eval Interval															
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow	Appl									
				Unit	Stg	Code	Plot	9	10	11	12	13	14	15	16
1	NTC						101	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	0.0
							311	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	TRIFLUDIMOXAZIN	4.17 SC		0.68 oz/a	PRE	A	102	50.0	0.0	0.0	0.0	0.0	50.0	40.0	50.0
							209	85.0	0.0	0.0	0.0	0.0	30.0	30.0	80.0
							306	90.0	0.0	0.0	0.0	0.0	50.0	50.0	0.0
							410	90.0	0.0	0.0	0.0	0.0	55.0	60.0	0.0
							Mean =	78.8	0.0	0.0	0.0	0.0	46.3	45.0	32.5
3	TRIFLUDIMOXAZIN	4.17 SC		1.0 oz/a	PRE	A	103	95.0	0.0	0.0	5.0	0.0	65.0	65.0	80.0
							211	75.0	30.0	0.0	0.0	0.0	50.0	60.0	0.0
							305	95.0	65.0	5.0	0.0	0.0	70.0	65.0	0.0
							412	95.0	0.0	0.0	0.0	0.0	45.0	50.0	0.0
							Mean =	90.0	23.8	1.3	1.3	0.0	57.5	60.0	20.0
4	TRIFLUDIMOXAZIN	4.17 SC		2.0 oz/a	PRE	A	104	99.0	85.0	10.0	0.0	0.0	90.0	90.0	90.0
							202	85.0	85.0	10.0	0.0	0.0	95.0	75.0	0.0
							304	95.0	75.0	10.0	0.0	0.0	85.0	75.0	0.0
							411	95.0	65.0	10.0	0.0	0.0	75.0	65.0	0.0
							Mean =	93.5	77.5	10.0	0.0	0.0	86.3	76.3	22.5
5	VALOR EZ	4 SC		3.0 oz/a	PRE	A	105	95.0	99.0	10.0	0.0	0.0	99.0	90.0	80.0
							207	95.0	95.0	10.0	0.0	0.0	99.0	95.0	50.0
							303	99.0	99.0	15.0	0.0	0.0	99.0	95.0	0.0
							408	99.0	99.0	10.0	0.0	0.0	99.0	95.0	0.0
							Mean =	97.0	98.0	11.3	0.0	0.0	99.0	93.8	32.5
6	PROWL H2O	3.8 SC		32.0 oz/a	PRE	A	106	0.0	95.0	0.0	0.0	0.0	25.0	50.0	0.0
							205	95.0	80.0	0.0	0.0	0.0	30.0	30.0	95.0
							309	95.0	90.0	0.0	0.0	0.0	50.0	30.0	0.0
							404	95.0	0.0	10.0	0.0	0.0	40.0	40.0	0.0
							Mean =	71.3	66.3	2.5	0.0	0.0	36.3	37.5	23.8
7	TRIFLUDIMOXAZIN	4.17 SC		0.68 oz/a	PRE	A	107	85.0	95.0	10.0	0.0	0.0	55.0	50.0	60.0
	PROWL H2O	3.8 SC		32.0 oz/a	PRE	A	210	75.0	60.0	0.0	0.0	0.0	50.0	65.0	50.0
							307	95.0	95.0	0.0	0.0	0.0	50.0	50.0	0.0
							405	95.0	65.0	5.0	0.0	0.0	50.0	40.0	0.0
							Mean =	87.5	78.8	3.8	0.0	0.0	51.3	51.3	27.5
8	TRIFLUDIMOXAZIN	4.17 SC		1.0 oz/a	PRE	A	108	90.0	75.0	0.0	0.0	0.0	50.0	50.0	80.0
	PROWL H2O	3.8 SC		32.0 oz/a	PRE	A	203	75.0	75.0	0.0	0.0	0.0	65.0	50.0	0.0
							301	65.0	95.0	0.0	0.0	0.0	55.0	50.0	0.0
							406	85.0	95.0	5.0	0.0	0.0	55.0	45.0	0.0
							Mean =	78.8	85.0	1.3	0.0	0.0	56.3	48.8	20.0
9	VALOR EZ	4 SC		3.0 oz/a	PRE	A	109	99.0	95.0	10.0	0.0	0.0	99.0	95.0	80.0
	PROWL H2O	3.8 SC		32.0 oz/a	PRE	A	206	95.0	95.0	15.0	0.0	0.0	99.0	95.0	75.0
							308	99.0	99.0	15.0	0.0	0.0	95.0	90.0	95.0
							402	99.0	99.0	10.0	0.0	0.0	99.0	95.0	95.0
							Mean =	98.0	97.0	12.5	0.0	0.0	98.0	93.8	86.3
10	BRAKE	1.2 SL		12.0 oz/a	PRE	A	110	95.0	95.0	0.0	0.0	0.0	25.0	40.0	90.0
							201	50.0	95.0	0.0	0.0	0.0	20.0	0.0	0.0
							312	95.0	95.0	0.0	0.0	0.0	20.0	0.0	0.0
							401	65.0	95.0	0.0	0.0	0.0	20.0	0.0	0.0
							Mean =	76.3	95.0	0.0	0.0	0.0	21.3	10.0	22.5
11	BRAKE	1.2 SL		12.0 oz/a	PRE	A	111	95.0	95.0	0.0	0.0	5.0	50.0	40.0	95.0
	PROWL H2O	3.8 SC		32.0 oz/a	PRE	A	212	75.0	90.0	0.0	0.0	0.0	40.0	50.0	0.0
							310	65.0	95.0	0.0	0.0	0.0	50.0	45.0	0.0
							403	95.0	95.0	0.0	0.0	5.0	50.0	40.0	0.0
							Mean =	82.5	93.8	0.0	0.0	2.5	47.5	43.8	23.8

University of Georgia

LENGTH OF RESIDUAL CONTROL IN PEANUT
WITH TRIFLUDIMOXAZIN (BAS-850-01H) AND BRAKE

Trial ID: PE-10-23 Study Dir.: JACOB SMITH
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code	Rapra	Agrass	Arahy	Arahy	Arahy	Amapa	Amapa	Rapra							
Crop Code	Control	Control	Stunting	Necrosis	Bleaching	Control	Control	Control							
Rating Data Type	%	%	%	%	%	%	%	%							
Rating Unit	May-23-23	May-23-23	Jun-6-23	Jun-6-23	Jun-6-23	Jun-6-23	Jun-26-23	Jun-26-23							
Rating Date	20 DA-A	20 DA-A	34 DA-A	34 DA-A	34 DA-A	34 DA-A	54 DA-A	54 DA-A							
Trt-Eval Interval															
Trt Treatment	Form	Form	Rate	Grow	Appl										
No. Name	Conc	Type	Rate	Unit	Stg	Code	Plot								
								9							
								10							
								11							
								12							
								13							
								14							
								15							
								16							
12 TRIFLUDIMOXAZIN	4.17	SC	1.0 oz/a	PRE	A	112		95.0	95.0	0.0	0.0	0.0	50.0	50.0	90.0
SONALAN HFP	3	EC	32.0 oz/a	PRE	A	204		85.0	75.0	10.0	0.0	0.0	65.0	65.0	50.0
						302		75.0	95.0	0.0	0.0	0.0	60.0	65.0	0.0
						409		95.0	95.0	0.0	0.0	0.0	60.0	60.0	0.0
						Mean =		87.5	90.0	2.5	0.0	0.0	58.8	60.0	35.0

University of Georgia

LENGTH OF RESIDUAL CONTROL IN PEANUT WITH TRIFLUDIMOXAZIN (BAS-850-01H) AND BRAKE		
Trial ID:	PE-10-23	Study Dir.: JACOB SMITH
Location:	PONDER FARM	Investigator: Eric P. Prostko

<u>Rating Unit</u> % = PERCENT
