

# University of Georgia

FLUMIOXAZIN FORMULATION TEST IN PEANUT  
YEAR 3

Trial ID: PE-09-19      Study Dir.:  
Location: ATTAPULGUS      Investigator: Eric P. Prostko

Reps: 3      Plots: 6 by 20 feet  
Appl. Amount: 15 GAL/AC      Mix Size: 1.5 L (total for 3 plots; minimum=0.4693 L)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	Amt Product to Measure	Diluent	Rep 1	Rep 2	Rep 3
1	NTC								-	101	208	309
2	VALOR SX	51 WG		3.0 oz/a	PRE	A			-	102	201	305
3	VALOR SX	51 WG		6.0 oz/a	PRE	A			-	103	205	302
4	RED EAGLE FLUMIOXAZI	51 WG		3.0 oz/a	PRE	A			-	104	203	306
5	RED EAGLE FLUMIOXAZI	51 WG		6.0 oz/a	PRE	A			-	105	207	308
6	PANTHER	4 SC		3.0 oz/a	PRE	A			-	106	202	310
7	PANTHER	4 SC		6.0 oz/a	PRE	A			-	107	209	303
8	VALOR EZ-2	4 SC		3.0 oz/a	PRE	A			-	108	206	301
9	VALOR EZ-2	4 SC		6.0 oz/a	PRE	A			-	109	210	304
10	NTC								-	110	204	307

Sort Order: Treatment

### Trial Comments

AGRASS: A NON-UNIFORM MIXTURE OF TEXAS PANICUM + CRABGRASS + GOOSEGRASS + CROWFOOTGRASS + SIGNALGRASS

ALL PRE APPLICATIONS INCLUDED PROWL H20 @ 32 OZ/A.

ALL PRE TREATMENTS WERE FOLLOWED BY A POST APPLICATION OF CADRE @ 4 OZ/A + DUAL MAGNUM @ 16 OZ/A + 2,4-DB @ 16 OZ/A (MAY 22)

**SUMMARY:**

1) NO DIFFERENCES IN PEANUT INJURY OR WEED CONTROL WERE OBSERVED BETWEEN THE VARIOUS FORMULATIONS OF FLUMIOXAZIN.

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**YEAR 3**  
 Trial ID: PE-09-19      Study Dir.:  
 Location: ATTAPULGUS      Investigator: Eric P. Prostko

**GENERAL TRIAL INFORMATION**

**Study Director:** \_\_\_\_\_ **Title:** \_\_\_\_\_  
**Affiliation:** \_\_\_\_\_ **Postal Code:** \_\_\_\_\_

**Investigator:** Eric P. Prostko      **Title:** \_\_\_\_\_  
**Affiliation:** \_\_\_\_\_ **Postal Code:** \_\_\_\_\_

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

**Objective:**  
**Conclusions:**

**CROP AND PEST DESCRIPTION**

**Weed 1.** AMAPA PALMER AMARANTH      **2.** AGRASS PANTE+CRAB+CROW  
**Weed 3.** DEDTO FLORIDA BEGGARWEED      **4.** IAQTA SMALLFLOWER MG  
**Weed 5.** CYPSP YELLOW/PUIRPLE NUTSEGE      **6.** CASOB SICKLPOD

**Crop 1:** ARAHY PEANUT      **Variety:** GA-06G      **Planting Date:** May-7-19  
**Planting Method:** MONOSEM      **Rate:** 6 SEED/FT      **Depth:** 2 IN  
**Perennial Age:** \_\_\_\_\_ **Row Spacing:** 36 IN      **Seed Bed:** \_\_\_\_\_  
**Soil Temperature:** \_\_\_\_\_ **Soil Moisture:** OPTIMUM      **Emergence Date:** \_\_\_\_\_

**Plot Width, Unit:** 6 FT      **Plot Length, Unit:** 20 FT      **Reps:** 3  
**Site Type:** \_\_\_\_\_  
**Tillage Type:** CONVENTIONAL      **Study Design:** FACTOR  
**Trial Initiation Comments:** THIMET INFR @ 5.0 LBS/A; RANCONA VPD SEED TRT;

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**Previous: Crops**      **Pesticides**      **Year**  
 1. FALLOW      2018      \_\_\_\_\_

**MAINTENANCE**

**Field Prep./Maintenance:** \_\_\_\_\_

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

**SOIL DESCRIPTION**

**Texture:** LOAMY SAND      **% OM:** 1.59      **% Sand:** 84      **% Silt:** 6      **% Clay:** 10  
**pH:** 6.0      **CEC:** \_\_\_\_\_      **Soil Name:** ORANGEBURG      **Fertility Level:** GOOD

**MOISTURE CONDITIONS**

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. May-8-19	_____	0.5	IN	SPRINKLER - CENTER PIVOT	_____	_____
2. May-9-19	_____	0.44	IN	RAINFALL	_____	_____
3. May-10-19	_____	0.06	IN	RAINFALL	_____	_____
4. May-11-19	_____	0.03	IN	RAINFALL	_____	_____
5. May-12-19	_____	0.16	IN	RAINFALL	_____	_____
6. May-15-19	_____	0.5	IN	SPRINKLER - CENTER PIVOT	_____	_____
7. May-20-19	_____	0.5	IN	SPRINKLER - CENTER PIVOT	_____	_____
8. May-23-19	_____	0.5	IN	SPRINKLER - CENTER PIVOT	_____	_____
9. May-30-19	_____	0.5	IN	SPRINKLER - CENTER PIVOT	_____	_____
10. Jun-4-19	_____	0.5	IN	SPRINKLER - CENTER PIVOT	_____	_____
11. Jul-2-19	_____	0.5	IN	SPRINKLER - CENTER PIVOT	_____	_____

**Overall Moisture Conditions:** \_\_\_\_\_  
**Closest Weather Station:** \_\_\_\_\_ **Distance:** \_\_\_\_\_ **Unit:** \_\_\_\_\_

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		APPLICATION DESCRIPTION					
		A	B	C	D	E	F
Application Date:	May-7-19	_____	_____	_____	_____	_____	_____
Time of Day:	4:00 PM	_____	_____	_____	_____	_____	_____
Application Method:	BROADCAST	_____	_____	_____	_____	_____	_____
Application Timing:	PRE	_____	_____	_____	_____	_____	_____
Applic. Placement:	SOIL	_____	_____	_____	_____	_____	_____
Air Temp., Unit:	90 F	_____	_____	_____	_____	_____	_____
% Relative Humidity:	28	_____	_____	_____	_____	_____	_____
Wind Velocity, Unit:	3 MPH	_____	_____	_____	_____	_____	_____
Dew Presence (Y/N):	N	_____	_____	_____	_____	_____	_____
Water Hardness:	--	_____	_____	_____	_____	_____	_____
Soil Temp., Unit:	89 F	_____	_____	_____	_____	_____	_____
Soil Moisture:	DRY	_____	_____	_____	_____	_____	_____
% Cloud Cover:	0	_____	_____	_____	_____	_____	_____

		CROP STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Crop 1	Stage: ARAHY	_____	_____	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Height, Unit:	_____	_____	_____	_____	_____	_____

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

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	_____	_____	_____	_____	_____	_____
Operating Pressure:	38	_____	_____	_____	_____	_____	_____
Nozzle Type:	TTI	_____	_____	_____	_____	_____	_____
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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FLUMIOXAZIN FORMULATION TEST IN PEANUT YEAR 3					
Trial ID: PE-09-19		Study Dir.:			
Location: ATTAPULGUS		Investigator: Eric P. Prostko			
Weed Code	----- ARAHY	AGRASS -----	DEDTO ----	CYPSP ----	---- ARAHY
Crop Code					
Part Rated					
Rating Data Type					
Rating Unit	Injury Percent	Control Percent	Control Percent	Control Percent	Injury Percent
Rating Date	May-17-19	May-17-19	May-17-19	May-17-19	May-22-19
Trt-Eval Interval	10 DA-A	10 DA-A	10 DA-A	10 DA-A	15 DA-A
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg
					Code
	1	2	3	4	5
<b>TABLE OF R MEANS</b>					
Replicate 1	11.9	99.0	99.0	43.8	6.3
Replicate 2	12.5	99.0	99.0	40.6	0.0
Replicate 3	11.9	99.0	99.0	32.5	7.5
<b>TABLE OF A (VALOR FORMULATION) MEANS</b>					
1 VALOR SX	51 WG				
		13.3 -	99.0 -	99.0 -	57.5 -
2 RED EAGLE FLUMIOXAZI	51 WG				
		12.5 -	99.0 -	99.0 -	33.3 -
3 PANTHER	4 SC				
		13.3 -	99.0 -	99.0 -	36.7 -
4 VALOR EZ-2	4 SC				
		9.2 -	99.0 -	99.0 -	28.3 -
LSD P=.10		3.17	.	.	34.69
Standard Deviation		2.83	0.00	0.00	30.92
CV		23.39	0.00	0.00	79.36
<b>TABLE OF B (RATE/A) MEANS</b>					
1			3.0 oz/a	PRE	A
		10.8 -	99.0 -	99.0 -	44.6 -
2			6.0 oz/a	PRE	A
		13.3 -	99.0 -	99.0 -	33.3 -
LSD P=.10		5.58	.	.	16.73
Standard Deviation		4.68	0.00	0.00	14.03
CV		38.71	0.00	0.00	36.02
<b>TABLE OF A (VALOR FORMULATION) B (RATE/A) MEANS</b>					
1 VALOR SX	51 WG				
		13.3 -	99.0 -	99.0 -	58.3 -
1			3.0 oz/a	PRE	A
		10.0 -	99.0 -	99.0 -	36.7 -
2 RED EAGLE FLUMIOXAZI	51 WG				
		10.0 -	99.0 -	99.0 -	36.7 -
1			3.0 oz/a	PRE	A
		13.3 -	99.0 -	99.0 -	50.0 -
3 PANTHER	4 SC				
		13.3 -	99.0 -	99.0 -	50.0 -
1			3.0 oz/a	PRE	A
		6.7 -	99.0 -	99.0 -	33.3 -
4 VALOR EZ-2	4 SC				
		6.7 -	99.0 -	99.0 -	33.3 -
1			3.0 oz/a	PRE	A
		13.3 -	99.0 -	99.0 -	56.7 -
2 RED EAGLE FLUMIOXAZI	51 WG				
		15.0 -	99.0 -	99.0 -	30.0 -
2			6.0 oz/a	PRE	A
		13.3 -	99.0 -	99.0 -	23.3 -
3 PANTHER	4 SC				
		13.3 -	99.0 -	99.0 -	23.3 -
2			6.0 oz/a	PRE	A
		11.7 -	99.0 -	99.0 -	23.3 -
4 VALOR EZ-2	4 SC				
		11.7 -	99.0 -	99.0 -	23.3 -
2			6.0 oz/a	PRE	A
		4.86	.	.	26.95
LSD P=.10		3.06	0.00	0.00	16.99
Standard Deviation		25.34	0.00	0.00	43.60
CV					77.14

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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FLUMIOXAZIN FORMULATION TEST IN PEANUT YEAR 3 Trial ID: PE-09-19      Study Dir.: Location: ATTAPULGUS      Investigator: Eric P. Prostko						
	AGRASS	AMAPA	AGRASS	AMAPA	AGRASS	CYPSP
Weed Code	-----	-----	-----	-----	-----	-----
Crop Code						
Part Rated						
Rating Data Type	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent
Rating Date	May-22-19	Jun-3-19	Jun-3-19	Jun-12-19	Jun-12-19	Jun-12-19
Trt-Eval Interval	15 DA-A	27 DA-A	27 DA-A	36 DA-A	36 DA-A	36 DA-A
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Code
	6	7	8	9	10	11
<b>TABLE OF R MEANS</b>						
Replicate 1	98.5	99.0	99.0	99.0	99.0	63.8
Replicate 2	99.0	99.0	99.0	99.0	99.0	62.5
Replicate 3	99.0	99.0	99.0	99.0	99.0	59.4
<b>TABLE OF A (VALOR FORMULATION) MEANS</b>						
1 VALOR SX	51 WG	98.3 -	99.0 -	99.0 -	99.0 -	67.5 -
2 RED EAGLE FLUMIOXAZI	51 WG	99.0 -	99.0 -	99.0 -	99.0 -	56.7 -
3 PANTHER	4 SC	99.0 -	99.0 -	99.0 -	99.0 -	63.3 -
4 VALOR EZ-2	4 SC	99.0 -	99.0 -	99.0 -	99.0 -	60.0 -
LSD P=.10		0.92	.	.	.	10.09
Standard Deviation		0.82	0.00	0.00	0.00	8.99
CV		0.83	0.00	0.00	0.00	14.54
<b>TABLE OF B (RATE/A) MEANS</b>						
1	3.0 oz/a PRE A	98.7 -	99.0 -	99.0 -	99.0 -	61.3 -
2	6.0 oz/a PRE A	99.0 -	99.0 -	99.0 -	99.0 -	62.5 -
LSD P=.10		0.97	.	.	.	5.58
Standard Deviation		0.82	0.00	0.00	0.00	4.68
CV		0.83	0.00	0.00	0.00	7.56
<b>TABLE OF A (VALOR FORMULATION) B (RATE/A) MEANS</b>						
1 VALOR SX	51 WG	97.7 -	99.0 -	99.0 -	99.0 -	65.0 -
1	3.0 oz/a PRE A					
2 RED EAGLE FLUMIOXAZI	51 WG	99.0 -	99.0 -	99.0 -	99.0 -	56.7 -
1	3.0 oz/a PRE A					
3 PANTHER	4 SC	99.0 -	99.0 -	99.0 -	99.0 -	65.0 -
1	3.0 oz/a PRE A					
4 VALOR EZ-2	4 SC	99.0 -	99.0 -	99.0 -	99.0 -	58.3 -
1	3.0 oz/a PRE A					
1 VALOR SX	51 WG	99.0 -	99.0 -	99.0 -	99.0 -	70.0 -
2	6.0 oz/a PRE A					
2 RED EAGLE FLUMIOXAZI	51 WG	99.0 -	99.0 -	99.0 -	99.0 -	56.7 -
2	6.0 oz/a PRE A					
3 PANTHER	4 SC	99.0 -	99.0 -	99.0 -	99.0 -	61.7 -
2	6.0 oz/a PRE A					
4 VALOR EZ-2	4 SC	99.0 -	99.0 -	99.0 -	99.0 -	61.7 -
2	6.0 oz/a PRE A					
LSD P=.10		1.30	.	.	.	9.67
Standard Deviation		0.82	0.00	0.00	0.00	6.10
CV		0.83	0.00	0.00	0.00	9.85

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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FLUMIOXAZIN FORMULATION TEST IN PEANUT YEAR 3							
Trial ID: PE-09-19		Study Dir.:					
Location: ATTAPULGUS		Investigator: Eric P. Prostko					
Weed Code	AMAPA	AGRASS	Total	AMAPA	AGRASS	Total	
Crop Code	-----	-----		-----	-----	Weed -	
Part Rated			Weed -			Cover -	
Rating Data Type	Control	Control	Percent	Control	Control	Percent	
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent	
Rating Date	Jun-24-19	Jun-24-19	Jun-24-19	Jul-17-19	Jul-17-19	Jul-17-19	
Trt-Eval Interval	48 DA-A	48 DA-A	48 DA-A	71 DA-A	71 DA-A	71 DA-A	
Trt Treatment	Form	Form	Rate	Grow	Appl		
No. Name	Conc	Type	Rate	Unit	Stg	Code	
TABLE OF R MEANS							
Replicate 1	99.0	99.0	10.6	99.0	99.0	1.1	
Replicate 2	99.0	99.0	14.4	99.0	99.0	2.6	
Replicate 3	99.0	99.0	18.8	99.0	99.0	3.0	
TABLE OF A (VALOR FORMULATION) MEANS							
1 VALOR SX	51 WG		9.2 -	99.0 -	99.0 -	2.0 -	
2 RED EAGLE FLUMIOXAZI	51 WG		17.5 -	99.0 -	99.0 -	3.0 -	
3 PANTHER	4 SC		11.7 -	99.0 -	99.0 -	2.3 -	
4 VALOR EZ-2	4 SC		20.0 -	99.0 -	99.0 -	1.7 -	
LSD P=.10			11.47			2.89	
Standard Deviation	0.00	0.00	10.22	0.00	0.00	2.58	
CV	0.00	0.00	70.10	0.00	0.00	114.64	
TABLE OF B (RATE/A) MEANS							
1		3.0 oz/a	PRE	A	99.0 -	99.0 -	2.2 -
2		6.0 oz/a	PRE	A	99.0 -	99.0 -	2.3 -
LSD P=.10							
Standard Deviation	0.00	0.00	3.22	0.00	0.00	1.48	
CV	0.00	0.00	2.70	0.00	0.00	1.24	
			18.52	0.00	0.00	55.18	
TABLE OF A (VALOR FORMULATION) B (RATE/A) MEANS							
1 VALOR SX	51 WG		10.0 -	99.0 -	99.0 -	2.0 -	
1		3.0 oz/a	PRE	A	99.0 -	99.0 -	2.3 -
2 RED EAGLE FLUMIOXAZI	51 WG		13.3 -	99.0 -	99.0 -	2.3 -	
1		3.0 oz/a	PRE	A	99.0 -	99.0 -	3.0 -
3 PANTHER	4 SC		8.3 -	99.0 -	99.0 -	3.0 -	
1		3.0 oz/a	PRE	A	99.0 -	99.0 -	1.3 -
4 VALOR EZ-2	4 SC		15.0 -	99.0 -	99.0 -	1.3 -	
1		3.0 oz/a	PRE	A	99.0 -	99.0 -	2.0 -
1 VALOR SX	51 WG		8.3 -	99.0 -	99.0 -	2.0 -	
2		6.0 oz/a	PRE	A	99.0 -	99.0 -	3.7 -
2 RED EAGLE FLUMIOXAZI	51 WG		21.7 -	99.0 -	99.0 -	3.7 -	
2		6.0 oz/a	PRE	A	99.0 -	99.0 -	1.7 -
3 PANTHER	4 SC		15.0 -	99.0 -	99.0 -	1.7 -	
2		6.0 oz/a	PRE	A	99.0 -	99.0 -	2.0 -
4 VALOR EZ-2	4 SC		25.0 -	99.0 -	99.0 -	2.0 -	
2		6.0 oz/a	PRE	A	99.0 -	99.0 -	
LSD P=.10			13.12			2.04	
Standard Deviation	0.00	0.00	8.27	0.00	0.00	1.29	
CV	0.00	0.00	56.71	0.00	0.00	57.14	

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).  
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FLUMIOXAZIN FORMULATION TEST IN PEANUT YEAR 3						
Trial ID: PE-09-19		Study Dir.:				
Location: ATTAPULGUS		Investigator: Eric P. Prostko				
<b>COMPLETE FACTORIAL AOV For ----- ARAHY Injury Percent May-17-19 10 DA-A (Data Column 1)</b>						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	295.833333				
R	2	2.083333	1.041667	0.111	0.8966	
A	3	70.833333	23.611111	2.957	0.1198	3.2
RA	6	47.916667	7.986111			
B	1	37.500000	37.500000	1.714	0.3206	5.6
RB	2	43.750000	21.875000			
AB	3	37.500000	12.500000	1.333	0.3486	4.9
RAB	6	56.250000	9.375000			
<b>COMPLETE FACTORIAL AOV For AGRASS ----- Control Percent May-17-19 10 DA-A (Data Column 2)</b>						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	0.000000				
R	2	0.000000	0.000000	0.000	1.0000	
A	3	0.000000	0.000000	0.000	1.0000	.
RA	6	0.000000	0.000000			
B	1	0.000000	0.000000	0.000	1.0000	.
RB	2	0.000000	0.000000			
AB	3	0.000000	0.000000	0.000	1.0000	.
RAB	6	0.000000	0.000000			
<b>COMPLETE FACTORIAL AOV For DEDTO ---- Control Percent May-17-19 10 DA-A (Data Column 3)</b>						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	0.000000				
R	2	0.000000	0.000000	0.000	1.0000	
A	3	0.000000	0.000000	0.000	1.0000	.
RA	6	0.000000	0.000000			
B	1	0.000000	0.000000	0.000	1.0000	.
RB	2	0.000000	0.000000			
AB	3	0.000000	0.000000	0.000	1.0000	.
RAB	6	0.000000	0.000000			
<b>COMPLETE FACTORIAL AOV For CYPSP ---- Control Percent May-17-19 10 DA-A (Data Column 4)</b>						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	12648.958333				
R	2	539.583333	269.791667	0.935	0.4431	
A	3	2961.458333	987.152778	1.033	0.4427	34.7
RA	6	5735.416667	955.902778			
B	1	759.375000	759.375000	3.857	0.1885	16.7
RB	2	393.750000	196.875000			
AB	3	528.125000	176.041667	0.610	0.6327	27.0
RAB	6	1731.250000	288.541667			
<b>COMPLETE FACTORIAL AOV For ---- ARAHY Injury Percent May-22-19 15 DA-A (Data Column 5)</b>						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	595.833333				
R	2	258.333333	129.166667	10.333	0.0114	
A	3	12.500000	4.166667	0.333	0.8022	4.0
RA	6	75.000000	12.500000			
B	1	104.166667	104.166667	3.571	0.1994	6.4
RB	2	58.333333	29.166667			
AB	3	12.500000	4.166667	0.333	0.8022	5.6
RAB	6	75.000000	12.500000			
<b>COMPLETE FACTORIAL AOV For AGRASS ----- Control Percent May-22-19 15 DA-A (Data Column 6)</b>						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	15.333333				
R	2	1.333333	0.666667	1.000	0.4219	
A	3	2.000000	0.666667	1.000	0.4547	0.9
RA	6	4.000000	0.666667			
B	1	0.666667	0.666667	1.000	0.4226	1.0
RB	2	1.333333	0.666667			
AB	3	2.000000	0.666667	1.000	0.4547	1.3
RAB	6	4.000000	0.666667			

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

FLUMIOXAZIN FORMULATION TEST IN PEANUT YEAR 3 Trial ID: PE-09-19      Study Dir.: Location: ATTAPULGUS      Investigator: Eric P. Prostko						
<b>COMPLETE FACTORIAL AOV For AMAPA ----- Control Percent Jun-3-19 27 DA-A (Data Column 7)</b>						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	0.000000				
R	2	0.000000	0.000000	0.000	1.0000	
A	3	0.000000	0.000000	0.000	1.0000	
RA	6	0.000000	0.000000			
B	1	0.000000	0.000000	0.000	1.0000	
RB	2	0.000000	0.000000			
AB	3	0.000000	0.000000	0.000	1.0000	
RAB	6	0.000000	0.000000			
<b>COMPLETE FACTORIAL AOV For AGRASS ----- Control Percent Jun-3-19 27 DA-A (Data Column 8)</b>						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	0.000000				
R	2	0.000000	0.000000	0.000	1.0000	
A	3	0.000000	0.000000	0.000	1.0000	
RA	6	0.000000	0.000000			
B	1	0.000000	0.000000	0.000	1.0000	
RB	2	0.000000	0.000000			
AB	3	0.000000	0.000000	0.000	1.0000	
RAB	6	0.000000	0.000000			
<b>COMPLETE FACTORIAL AOV For AMAPA ---- Control Percent Jun-12-19 36 DA-A (Data Column 9)</b>						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	0.000000				
R	2	0.000000	0.000000	0.000	1.0000	
A	3	0.000000	0.000000	0.000	1.0000	
RA	6	0.000000	0.000000			
B	1	0.000000	0.000000	0.000	1.0000	
RB	2	0.000000	0.000000			
AB	3	0.000000	0.000000	0.000	1.0000	
RAB	6	0.000000	0.000000			
<b>COMPLETE FACTORIAL AOV For AGRASS ---- Control Percent Jun-12-19 36 DA-A (Data Column 10)</b>						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	0.000000				
R	2	0.000000	0.000000	0.000	1.0000	
A	3	0.000000	0.000000	0.000	1.0000	
RA	6	0.000000	0.000000			
B	1	0.000000	0.000000	0.000	1.0000	
RB	2	0.000000	0.000000			
AB	3	0.000000	0.000000	0.000	1.0000	
RAB	6	0.000000	0.000000			
<b>COMPLETE FACTORIAL AOV For CYPSP ----- Control Percent Jun-12-19 36 DA-A (Data Column 11)</b>						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	1290.625000				
R	2	81.250000	40.625000	1.093	0.3936	
A	3	386.458333	128.819444	1.592	0.2869	10.1
RA	6	485.416667	80.902778			
B	1	9.375000	9.375000	0.429	0.5799	5.6
RB	2	43.750000	21.875000			
AB	3	61.458333	20.486111	0.551	0.6656	9.7
RAB	6	222.916667	37.152778			
<b>COMPLETE FACTORIAL AOV For AMAPA ----- Control Percent Jun-24-19 48 DA-A (Data Column 12)</b>						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	0.000000				
R	2	0.000000	0.000000	0.000	1.0000	
A	3	0.000000	0.000000	0.000	1.0000	
RA	6	0.000000	0.000000			
B	1	0.000000	0.000000	0.000	1.0000	
RB	2	0.000000	0.000000			
AB	3	0.000000	0.000000	0.000	1.0000	
RAB	6	0.000000	0.000000			

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

FLUMIOXAZIN FORMULATION TEST IN PEANUT  
YEAR 3

Trial ID: PE-09-19      Study Dir.:  
Location: ATTAPULGUS      Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For AGRASS ----- Control Percent Jun-24-19 48 DA-A (Data Column 13)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	0.000000				
R	2	0.000000	0.000000	0.000	1.0000	
A	3	0.000000	0.000000	0.000	1.0000	
RA	6	0.000000	0.000000			
B	1	0.000000	0.000000	0.000	1.0000	
RB	2	0.000000	0.000000			
AB	3	0.000000	0.000000	0.000	1.0000	
RAB	6	0.000000	0.000000			

COMPLETE FACTORIAL AOV For Total Weed Cover Percent Jun-24-19 48 DA-A (Data Column 14)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	2095.833333				
R	2	264.583333	132.291667	1.934	0.2248	
A	3	454.166667	151.388889	1.449	0.3193	11.5
RA	6	627.083333	104.513889			
B	1	204.166667	204.166667	28.000	0.0339	3.2
RB	2	14.583333	7.291667			
AB	3	120.833333	40.277778	0.589	0.6444	13.1
RAB	6	410.416667	68.402778			

COMPLETE FACTORIAL AOV For AMAPA ----- Control Percent Jul-17-19 71 DA-A (Data Column 15)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	0.000000				
R	2	0.000000	0.000000	0.000	1.0000	
A	3	0.000000	0.000000	0.000	1.0000	
RA	6	0.000000	0.000000			
B	1	0.000000	0.000000	0.000	1.0000	
RB	2	0.000000	0.000000			
AB	3	0.000000	0.000000	0.000	1.0000	
RAB	6	0.000000	0.000000			

COMPLETE FACTORIAL AOV For AGRASS ----- Control Percent Jul-17-19 71 DA-A (Data Column 16)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	0.000000				
R	2	0.000000	0.000000	0.000	1.0000	
A	3	0.000000	0.000000	0.000	1.0000	
RA	6	0.000000	0.000000			
B	1	0.000000	0.000000	0.000	1.0000	
RB	2	0.000000	0.000000			
AB	3	0.000000	0.000000	0.000	1.0000	
RAB	6	0.000000	0.000000			

COMPLETE FACTORIAL AOV For Total Weed Cover Percent Jul-17-19 71 DA-A (Data Column 17)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	80.500000				
R	2	15.750000	7.875000	4.765	0.0577	
A	3	5.833333	1.944444	0.292	0.8299	2.9
RA	6	39.916667	6.652778			
B	1	0.166667	0.166667	0.108	0.7735	1.5
RB	2	3.083333	1.541667			
AB	3	5.833333	1.944444	1.176	0.3942	2.0
RAB	6	9.916667	1.652778			

**Weed Code**  
 DEDTO = BEGGARWEED, FLORIDA / DESMODIUM TORTUOSUM (SWEET) DC.  
 AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.

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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FLUMIOXAZIN FORMULATION TEST IN PEANUT YEAR 3 Trial ID: PE-09-19      Study Dir.: Location: ATTAPULGUS      Investigator: Eric P. Prostko						----- ARAHY	AGRASS -----	DEDTO -----	CYPSP -----	----- ARAHY
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Injury Percent May-17-19 10 DA-A	Control Percent May-17-19 10 DA-A	Control Percent May-17-19 10 DA-A	Control Percent May-17-19 10 DA-A	Injury Percent May-22-19 15 DA-A
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg Code	1	2	3	4	5
1 NTC						101 0.0 208 0.0 309 0.0 Mean = 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0
2 VALOR SX	51 WG		3.0 oz/a	PRE	A	102 10.0 201 15.0 305 15.0 Mean = 13.3	99.0 99.0 99.0 99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0 99.0 99.0 99.0	65.0 60.0 50.0 58.3	0.0 0.0 10.0 3.3
3 VALOR SX	51 WG		6.0 oz/a	PRE	A	103 15.0 205 10.0 302 15.0 Mean = 13.3	99.0 99.0 99.0 99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0 99.0 99.0 99.0	65.0 65.0 40.0 56.7	10.0 0.0 10.0 6.7
4 RED EAGLE FLUMIOXAZI	51 WG		3.0 oz/a	PRE	A	104 10.0 203 10.0 306 10.0 Mean = 10.0	99.0 99.0 99.0 99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0 99.0 99.0 99.0	60.0 30.0 20.0 36.7	10.0 0.0 0.0 3.3
5 RED EAGLE FLUMIOXAZI	51 WG		6.0 oz/a	PRE	A	105 15.0 207 15.0 308 15.0 Mean = 15.0	99.0 99.0 99.0 99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0 99.0 99.0 99.0	60.0 0.0 30.0 30.0	10.0 0.0 10.0 6.7
6 PANTHER	4 SC		3.0 oz/a	PRE	A	106 15.0 202 15.0 310 10.0 Mean = 13.3	99.0 99.0 99.0 99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0 99.0 99.0 99.0	50.0 60.0 40.0 50.0	0.0 0.0 10.0 3.3
7 PANTHER	4 SC		6.0 oz/a	PRE	A	107 15.0 209 15.0 303 10.0 Mean = 13.3	99.0 99.0 99.0 99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0 99.0 99.0 99.0	50.0 0.0 20.0 23.3	10.0 0.0 10.0 6.7
8 VALOR EZ-2	4 SC		3.0 oz/a	PRE	A	108 0.0 206 10.0 301 10.0 Mean = 6.7	99.0 99.0 99.0 99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0 99.0 99.0 99.0	0.0 50.0 50.0 33.3	0.0 0.0 0.0 0.0
9 VALOR EZ-2	4 SC		6.0 oz/a	PRE	A	109 15.0 210 10.0 304 10.0 Mean = 11.7	99.0 99.0 99.0 99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0 99.0 99.0 99.0	0.0 60.0 10.0 23.3	10.0 0.0 10.0 6.7
10 NTC						110 0.0 204 0.0 307 0.0 Mean = 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0

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FLUMIOXAZIN FORMULATION TEST IN PEANUT YEAR 3					AGRASS	AMAPA	AGRASS	AMAPA	AGRASS				
Trial ID: PE-09-19      Study Dir.:					-----	-----	-----	-----	-----				
Location: ATTAPULGUS      Investigator: Eric P. Prostko					Control	Control	Control	Control	Control				
Weed Code					Percent	Percent	Percent	Percent	Percent				
Crop Code					May-22-19	Jun-3-19	Jun-3-19	Jun-12-19	Jun-12-19				
Part Rated					15 DA-A	27 DA-A	27 DA-A	36 DA-A	36 DA-A				
Rating Data Type													
Rating Unit													
Rating Date													
Trt-Eval Interval													
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Code	Plot	6	7	8	9	10
1	NTC							101	0.0	0.0	0.0	0.0	0.0
								208	0.0	0.0	0.0	0.0	0.0
								309	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0
2	VALOR SX	51	WG	3.0	oz/a	PRE	A	102	95.0	99.0	99.0	99.0	99.0
								201	99.0	99.0	99.0	99.0	99.0
								305	99.0	99.0	99.0	99.0	99.0
								Mean =	97.7	99.0	99.0	99.0	99.0
3	VALOR SX	51	WG	6.0	oz/a	PRE	A	103	99.0	99.0	99.0	99.0	99.0
								205	99.0	99.0	99.0	99.0	99.0
								302	99.0	99.0	99.0	99.0	99.0
								Mean =	99.0	99.0	99.0	99.0	99.0
4	RED EAGLE FLUMIOXAZI	51	WG	3.0	oz/a	PRE	A	104	99.0	99.0	99.0	99.0	99.0
								203	99.0	99.0	99.0	99.0	99.0
								306	99.0	99.0	99.0	99.0	99.0
								Mean =	99.0	99.0	99.0	99.0	99.0
5	RED EAGLE FLUMIOXAZI	51	WG	6.0	oz/a	PRE	A	105	99.0	99.0	99.0	99.0	99.0
								207	99.0	99.0	99.0	99.0	99.0
								308	99.0	99.0	99.0	99.0	99.0
								Mean =	99.0	99.0	99.0	99.0	99.0
6	PANTHER	4	SC	3.0	oz/a	PRE	A	106	99.0	99.0	99.0	99.0	99.0
								202	99.0	99.0	99.0	99.0	99.0
								310	99.0	99.0	99.0	99.0	99.0
								Mean =	99.0	99.0	99.0	99.0	99.0
7	PANTHER	4	SC	6.0	oz/a	PRE	A	107	99.0	99.0	99.0	99.0	99.0
								209	99.0	99.0	99.0	99.0	99.0
								303	99.0	99.0	99.0	99.0	99.0
								Mean =	99.0	99.0	99.0	99.0	99.0
8	VALOR EZ-2	4	SC	3.0	oz/a	PRE	A	108	99.0	99.0	99.0	99.0	99.0
								206	99.0	99.0	99.0	99.0	99.0
								301	99.0	99.0	99.0	99.0	99.0
								Mean =	99.0	99.0	99.0	99.0	99.0
9	VALOR EZ-2	4	SC	6.0	oz/a	PRE	A	109	99.0	99.0	99.0	99.0	99.0
								210	99.0	99.0	99.0	99.0	99.0
								304	99.0	99.0	99.0	99.0	99.0
								Mean =	99.0	99.0	99.0	99.0	99.0
10	NTC							110	0.0	0.0	0.0	0.0	0.0
								204	0.0	0.0	0.0	0.0	0.0
								307	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0

# University of Georgia

FLUMIOXAZIN FORMULATION TEST IN PEANUT YEAR 3 Trial ID: PE-09-19      Study Dir.: Location: ATTAPULGUS      Investigator: Eric P. Prostko													
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	CYPSP ----- Control Percent Jun-12-19 36 DA-A	AMAPA ----- Control Percent Jun-24-19 48 DA-A	AGRASS ----- Control Percent Jun-24-19 48 DA-A	Total Weed - Cover Percent Jun-24-19 48 DA-A	AMAPA ----- Control Percent Jul-17-19 71 DA-A		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	Plot	11	12	13	14	15
1	NTC							101 208 309 Mean =	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	100.0 100.0 100.0 100.0	0.0 0.0 0.0 0.0
2	VALOR SX	51	WG	3.0 oz/a	PRE	A		102 201 305 Mean =	75.0 60.0 60.0 65.0	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	5.0 10.0 15.0 10.0	99.0 99.0 99.0 99.0
3	VALOR SX	51	WG	6.0 oz/a	PRE	A		103 205 302 Mean =	70.0 75.0 65.0 70.0	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	5.0 5.0 15.0 8.3	99.0 99.0 99.0 99.0
4	RED EAGLE FLUMIOXAZI	51	WG	3.0 oz/a	PRE	A		104 203 306 Mean =	65.0 50.0 55.0 56.7	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	5.0 15.0 20.0 13.3	99.0 99.0 99.0 99.0
5	RED EAGLE FLUMIOXAZI	51	WG	6.0 oz/a	PRE	A		105 207 308 Mean =	60.0 50.0 60.0 56.7	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	10.0 40.0 15.0 21.7	99.0 99.0 99.0 99.0
6	PANTHER	4	SC	3.0 oz/a	PRE	A		106 202 310 Mean =	65.0 65.0 65.0 65.0	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	5.0 10.0 10.0 8.3	99.0 99.0 99.0 99.0
7	PANTHER	4	SC	6.0 oz/a	PRE	A		107 209 303 Mean =	65.0 60.0 60.0 61.7	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	10.0 15.0 20.0 15.0	99.0 99.0 99.0 99.0
8	VALOR EZ-2	4	SC	3.0 oz/a	PRE	A		108 206 301 Mean =	50.0 65.0 60.0 58.3	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	20.0 10.0 15.0 15.0	99.0 99.0 99.0 99.0
9	VALOR EZ-2	4	SC	6.0 oz/a	PRE	A		109 210 304 Mean =	60.0 75.0 50.0 61.7	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	25.0 10.0 40.0 25.0	99.0 99.0 99.0 99.0
10	NTC							110 204 307 Mean =	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	100.0 100.0 100.0 100.0	0.0 0.0 0.0 0.0

# University of Georgia

FLUMIOXAZIN FORMULATION TEST IN PEANUT  
 YEAR 3  
 Trial ID: PE-09-19 Study Dir.:  
 Location: ATTAPULGUS Investigator: Eric P. Prostko

Weed Code		AGRASS	Total Weed Cover -							
Crop Code		----								
Part Rated										
Rating Data Type		Control	Percent							
Rating Unit		Percent	Percent							
Rating Date		Jul-17-19	Jul-17-19							
Trt-Eval Interval		71 DA-A	71 DA-A							
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Code	Plot	16	17
1	NTC							101	0.0	100.0
								208	0.0	100.0
								309	0.0	100.0
								Mean =	0.0	100.0
2	VALOR SX	51	WG	3.0	oz/a	PRE	A	102	99.0	0.0
								201	99.0	3.0
								305	99.0	3.0
								Mean =	99.0	2.0
3	VALOR SX	51	WG	6.0	oz/a	PRE	A	103	99.0	0.0
								205	99.0	3.0
								302	99.0	3.0
								Mean =	99.0	2.0
4	RED EAGLE FLUMIOXAZI	51	WG	3.0	oz/a	PRE	A	104	99.0	3.0
								203	99.0	3.0
								306	99.0	1.0
								Mean =	99.0	2.3
5	RED EAGLE FLUMIOXAZI	51	WG	6.0	oz/a	PRE	A	105	99.0	5.0
								207	99.0	5.0
								308	99.0	1.0
								Mean =	99.0	3.7
6	PANTHER	4	SC	3.0	oz/a	PRE	A	106	99.0	1.0
								202	99.0	3.0
								310	99.0	5.0
								Mean =	99.0	3.0
7	PANTHER	4	SC	6.0	oz/a	PRE	A	107	99.0	0.0
								209	99.0	0.0
								303	99.0	5.0
								Mean =	99.0	1.7
8	VALOR EZ-2	4	SC	3.0	oz/a	PRE	A	108	99.0	0.0
								206	99.0	3.0
								301	99.0	1.0
								Mean =	99.0	1.3
9	VALOR EZ-2	4	SC	6.0	oz/a	PRE	A	109	99.0	0.0
								210	99.0	1.0
								304	99.0	5.0
								Mean =	99.0	2.0
10	NTC							110	0.0	100.0
								204	0.0	100.0
								307	0.0	100.0
								Mean =	0.0	100.0

# University of Georgia

FLUMIOXAZIN FORMULATION TEST IN PEANUT  
YEAR 3

Trial ID: PE-09-19 Study Dir.:  
Location: ATTAPULGUS Investigator: Eric P. Prostko

Weed Code

DEDTO = BEGGARWEED, FLORIDA / DESMODIUM TORTUOSUM (SWEET) DC.  
AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.