

University of Georgia

FLUMIOXAZIN FORMULATION TEST IN PEANUT YEAR 2	
Trial ID: PE-06-18	Study Dir.:
Location: ATTAPULGUS	Investigator: Eric P. Prostko

Reps: 4 Plots: 6 by 25 feet
 Spray vol: 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	Code	Amt Product to Measure	Diluent	Rep 1	Rep 2	Rep 3	Rep 4
1	NTC								-	101	208	309	407
2	VALOR SX	51	WG	3.0 oz/a	PRE	A			-	102	201	305	401
3	VALOR SX	51	WG	6.0 oz/a	PRE	A			-	103	205	302	408
4	RED EAGLE FLUMIOXAZI	51	WG	3.0 oz/a	PRE	A			-	104	203	306	402
5	RED EAGLE FLUMIOXAZI	51	WG	6.0 oz/a	PRE	A			-	105	207	308	404
6	PANTHER	4	SC	3.0 oz/a	PRE	A			-	106	202	310	409
7	PANTHER	4	SC	6.0 oz/a	PRE	A			-	107	209	303	405
8	VALOR EZ	4	SC	3.0 oz/a	PRE	A			-	108	206	301	410
9	VALOR EZ	4	SC	6.0 oz/a	PRE	A			-	109	210	304	403
10	NTC								-	110	204	307	406

Sort Order: Treatment

Trial Comments

AGRASS: A MIXTURE OF TEXAS PANICUM + CRABGRASS + GOOSEGRASS + CROWFOOTGRASS

DIGGING DATE: SEPTEMBER 21
 HARVEST DATE: SEPTEMBER 24
 HARVEST MOISTURE: 22.1%
 YIELDS ADJUSTED TO 10%.

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

8.64" RAINFALL/IRRIGATION DURING 1ST 30 DAP

SUMMARY:

- 1) FOR PEANUT PLANT STUNTING, THERE WAS NO INTERACTION BETWEEN FORMULATION AND RATE. GENERALLY, PEANUT INJURY WAS HIGH DUE TO EXCESSIVE EARLY SEASON MOISTURE CONDITIONS.
- 2) WHEN AVERAGED OVER RATE, THERE WAS NO DIFFERENCE IN PEANUT INJURY BETWEEN FORMULATIONS IN 3 OF 4 RATINGS.
- 3) WHEN AVERAGED OVER FORMULATION, 6 OZ/A CAUSED MORE PEANUT INJURY THAN 3 OZ/A.
- 4) PALMER AMARANTH, ANNUAL GRASS, SMALLFLOWER MG, AND FLORIDA BEGGARWEED CONTROL DID NOT DIFFER BETWEEN FORMULATIONS OR RATE..
- 5) FOR PEANUT YIELD, THERE WAS NO INTERACTION BETWEEN FORMULATION AND RATE (P=0.9123). FORMULATION WAS NOT SIGNIFICANT (P=0.5572). HOWEVER, WHEN AVERAGED OVER ALL FORMULATIONS, PEANUT YIELDS WERE SIGNIFICANTLY REDUCED BY THE 6 OZ/A RATE (6.9% YIELD REDUCTION COMPARED TO 3 OZ/A).

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FLUMIOXAZIN FORMULATION TEST IN PEANUT
 YEAR 2
 Trial ID: PE-06-18 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

Crop 1: ARAHY PEANUT Variety: GA-16HO Planting Date: May-7-18
 Planting Method: MONOSEM SINGLE ROW Rate: 6.0 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: 25 FT Reps: 4
 Site Type: _____
 Tillage Type: CONVENTIONAL Study Design: FACTOR
 Trial Initiation Comments: THIMET INFR @ 3.5 LBS/A; DYNASTY PD SEED TRT; 36"-9"
 TWIN ROWS

Previous: Crops	Pesticides	Year
1. COTTON	2017	_____

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: 1.49 % Sand: 86 % Silt: 6 % Clay: 8
 pH: 6.0 CEC: _____ Soil Name: ORANGEBURG Fertility Level: GOOD

MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. May-7-18	_____	0.5	IN	SPRINKLER - CENTER PIVOT	_____	_____
2. May-12-18	_____	0.12	IN	RAINFALL	_____	_____
3. May-15-18	_____	0.41	IN	RAINFALL	_____	_____
4. May-16-18	_____	0.06	IN	RAINFALL	_____	_____
5. May-17-18	_____	1.03	IN	RAINFALL	_____	_____
6. May-18-18	_____	0.56	IN	RAINFALL	_____	_____
7. May-20-18	_____	0.03	IN	RAINFALL	_____	_____
8. May-21-18	_____	0.36	IN	RAINFALL	_____	_____
9. May-22-18	_____	0.14	IN	RAINFALL	_____	_____
10. May-23-18	_____	1.05	IN	RAINFALL	_____	_____
11. May-24-18	_____	0.30	IN	RAINFALL	_____	_____
12. May-26-18	_____	0.07	IN	RAINFALL	_____	_____
13. May-27-18	_____	0.72	IN	RAINFALL	_____	_____
14. May-28-18	_____	2.04	IN	RAINFALL	_____	_____
15. May-29-18	_____	0.64	IN	RAINFALL	_____	_____
16. May-30-18	_____	0.02	IN	RAINFALL	_____	_____
17. Jun-2-18	_____	0.58	IN	RAINFALL	_____	_____
18. Jun-3-18	_____	0.01	IN	RAINFALL	_____	_____

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

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		APPLICATION DESCRIPTION					
		A	B	C	D	E	F
Application Date:	May-9-18		Jun-18-18				
Time of Day:	12:30 PM		9:00 AM				
Application Method:	BROADCAST		BROADCAST				
Application Timing:	PRE		POST				
Applic. Placement:	SOIL		FOLIAGE				
Air Temp., Unit:	85 F		79 F				
% Relative Humidity:	36		85				
Wind Velocity, Unit:	4 MPH		1 MPH				
Dew Presence (Y/N):	N		Y				
Water Hardness:	--		--				
Soil Temp., Unit:	82 F		79 F				
Soil Moisture:	DRY		OPTIMUM				
% Cloud Cover:	0		0				

		CROP STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Crop 1	Stage: ARAHY		11" WIDE				
	Stage Scale:		R2				
	Height, Unit:		7 IN				

		WEED STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Weed 1	Stage: AMAPA						
	Stage Scale:						
	Density, Unit:						
Weed 2	Stage: AGRASS		3-4" TALL				
	Stage Scale:						
	Density, Unit:						
Weed 3	Stage: DEDTO						
	Stage Scale:						
	Density, Unit:						

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	BACKPACK					
Operating Pressure:	25	38					
Nozzle Type:	AIXR	AIXR					
Nozzle Size:	11002	11002					
Nozzle Spacing, Unit:	15	IN 20	IN				
Nozzles/Row:	2						
Band Width, Unit:							
Boom Length, Unit:	60	IN 60	IN				
Boom Height, Unit:	20	IN 20	IN				
Ground Speed, Unit:	3.5	MPH 3.5	MPH				
Incorporation Equip.:							
Hours to Incorp.:							
Incorp. Depth, Unit:							
Carrier:	WATER	WATER					
Spray Volume, Unit:	15	GPA 15	GPA				
Spray pH:							
Propellant:	CO2	CO2					
Tank Mix (Y/N):							

Trt No	Treatment Application Comment

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 YEAR 2
 Trial ID: PE-06-18 Study Dir.:
 Location: ATTAPULGUS Investigator: Eric P. Prostko

	----- ARAHY PLANT - STUNTING PERCENT May-17-18	AMAPA ----- CONTROL PERCENT May-17-18	AGRASS ----- CONTROL PERCENT May-17-18	IAQTA ----- CONTROL PERCENT May-17-18	----- ARAHY PLANT - STUNTING PERCENT May-23-18	AMAPA ----- CONTROL PERCENT May-23-18
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Code
TABLE OF R MEANS						
Replicate 1	36.3	99.0	99.0	99.0	72.5	99.0
Replicate 2	33.8	99.0	99.0	99.0	71.9	99.0
Replicate 3	31.3	99.0	99.0	99.0	73.1	99.0
Replicate 4	25.0	99.0	99.0	99.0	71.9	99.0
TABLE OF A (VALOR FORMULATION) MEANS						
1 VALOR SX	51 WG	31.3 a	99.0 a	99.0 a	99.0 a	71.3 a
2 RED EAGLE FLUMIOXAZI	51 WG	32.5 a	99.0 a	99.0 a	99.0 a	73.8 a
3 PANTHER	4 SC	31.3 a	99.0 a	99.0 a	99.0 a	71.3 a
4 VALOR EZ	4 SC	31.3 a	99.0 a	99.0 a	99.0 a	73.1 a
Tukey's HSD P=.10	6.32	.	.	.	3.53	.
Standard Deviation	4.75	0.00	0.00	0.00	2.65	0.00
CV	15.05	0.00	0.00	0.00	3.67	0.00
TABLE OF B (RATE/A) MEANS						
1	3.0 oz/a	PRE	A	30.6 a	99.0 a	99.0 a
2	6.0 oz/a	PRE	A	32.5 a	99.0 a	99.0 a
Tukey's HSD P=.10	8.45	.	.	.	3.87	.
Standard Deviation	10.16	0.00	0.00	0.00	4.65	0.00
CV	32.17	0.00	0.00	0.00	6.43	0.00
TABLE OF A (VALOR FORMULATION) B (RATE/A) MEANS						
1 VALOR SX	51 WG	30.0 a	99.0 a	99.0 a	99.0 a	63.8 c
1	3.0 oz/a	PRE	A	32.5 a	99.0 a	99.0 a
2 RED EAGLE FLUMIOXAZI	51 WG	32.5 a	99.0 a	99.0 a	99.0 a	68.8 bc
1	3.0 oz/a	PRE	A	30.0 a	99.0 a	99.0 a
3 PANTHER	4 SC	30.0 a	99.0 a	99.0 a	99.0 a	66.3 c
1	3.0 oz/a	PRE	A	30.0 a	99.0 a	99.0 a
4 VALOR EZ	4 SC	30.0 a	99.0 a	99.0 a	99.0 a	67.5 c
1	3.0 oz/a	PRE	A	32.5 a	99.0 a	99.0 a
1 VALOR SX	51 WG	32.5 a	99.0 a	99.0 a	99.0 a	78.8 a
2	6.0 oz/a	PRE	A	32.5 a	99.0 a	99.0 a
2 RED EAGLE FLUMIOXAZI	51 WG	32.5 a	99.0 a	99.0 a	99.0 a	78.8 a
2	6.0 oz/a	PRE	A	32.5 a	99.0 a	99.0 a
3 PANTHER	4 SC	32.5 a	99.0 a	99.0 a	99.0 a	76.3 ab
2	6.0 oz/a	PRE	A	32.5 a	99.0 a	99.0 a
4 VALOR EZ	4 SC	32.5 a	99.0 a	99.0 a	99.0 a	78.8 a
2	6.0 oz/a	PRE	A	Tukey's HSD P=.10	13.70	8.60
Standard Deviation	5.80	0.00	0.00	0.00	3.64	0.00
CV	18.39	0.00	0.00	0.00	5.04	0.00

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Trt-Eval Interval PRM Data Type # Subsamples, Dec.	AGRASS ----- CONTROL PERCENT May-23-18	IAQTA ----- CONTROL PERCENT May-23-18	----- ARAHY PLANT - STUNTING PERCENT May-30-18	AMAPA ----- CONTROL PERCENT May-30-18	AGRASS ----- CONTROL PERCENT May-30-18	IAQTA ----- CONTROL PERCENT May-30-18
Trt Treatment No. Name Form Form Conc Type Rate Grow Unit Stg Appl Code	7	8	9	10	11	12
TABLE OF R MEANS						
Replicate 1	99.0	99.0	42.5	99.0	99.0	99.0
Replicate 2	99.0	99.0	42.5	99.0	99.0	99.0
Replicate 3	99.0	99.0	42.5	99.0	99.0	99.0
Replicate 4	99.0	99.0	38.8	99.0	99.0	99.0
TABLE OF A (VALOR FORMULATION) MEANS						
1 VALOR SX 51 WG	99.0 a	99.0 a	42.5 a	99.0 a	99.0 a	99.0 a
2 RED EAGLE FLUMIOXAZI 51 WG	99.0 a	99.0 a	45.0 a	99.0 a	99.0 a	99.0 a
3 PANTHER 4 SC	99.0 a	99.0 a	36.3 b	99.0 a	99.0 a	99.0 a
4 VALOR EZ 4 SC	99.0 a	99.0 a	42.5 a	99.0 a	99.0 a	99.0 a
Tukey's HSD P=.10	.	.	5.49	.	.	.
Standard Deviation	0.00	0.00	4.12	0.00	0.00	0.00
CV	0.00	0.00	9.92	0.00	0.00	0.00
TABLE OF B (RATE/A) MEANS						
1 3.0 oz/a PRE A	99.0 a	99.0 a	27.5 b	99.0 a	99.0 a	99.0 a
2 6.0 oz/a PRE A	99.0 a	99.0 a	55.6 a	99.0 a	99.0 a	99.0 a
Tukey's HSD P=.10	.	.	6.52	.	.	.
Standard Deviation	0.00	0.00	7.84	0.00	0.00	0.00
CV	0.00	0.00	18.86	0.00	0.00	0.00
TABLE OF A (VALOR FORMULATION) B (RATE/A) MEANS						
1 VALOR SX 51 WG 3.0 oz/a PRE A	99.0 a	99.0 a	25.0 b	99.0 a	99.0 a	99.0 a
2 RED EAGLE FLUMIOXAZI 51 WG 3.0 oz/a PRE A	99.0 a	99.0 a	32.5 b	99.0 a	99.0 a	99.0 a
3 PANTHER 4 SC 3.0 oz/a PRE A	99.0 a	99.0 a	22.5 b	99.0 a	99.0 a	99.0 a
4 VALOR EZ 4 SC 3.0 oz/a PRE A	99.0 a	99.0 a	30.0 b	99.0 a	99.0 a	99.0 a
1 VALOR SX 51 WG 6.0 oz/a PRE A	99.0 a	99.0 a	60.0 a	99.0 a	99.0 a	99.0 a
2 RED EAGLE FLUMIOXAZI 51 WG 6.0 oz/a PRE A	99.0 a	99.0 a	57.5 a	99.0 a	99.0 a	99.0 a
3 PANTHER 4 SC 6.0 oz/a PRE A	99.0 a	99.0 a	50.0 a	99.0 a	99.0 a	99.0 a
4 VALOR EZ 4 SC 6.0 oz/a PRE A	99.0 a	99.0 a	55.0 a	99.0 a	99.0 a	99.0 a
Tukey's HSD P=.10	.	.	11.21	.	.	.
Standard Deviation	0.00	0.00	4.75	0.00	0.00	0.00
CV	0.00	0.00	11.43	0.00	0.00	0.00

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Trt-Eval Interval PRM Data Type # Subsamples, Dec.	----- ARAHY PLANT - STUNTING PERCENT Jun-18-18	AMAPA ----- CONTROL PERCENT Jun-18-18	AGRASS ----- CONTROL PERCENT Jun-18-18	AMAPA ----- CONTROL PERCENT Jul-17-18	AGRASS ----- CONTROL PERCENT Jul-17-18	DEDTO ----- CONTROL PERCENT Jul-17-18
Trt Treatment No. Name Form Form Conc Type Rate Grow Unit Stg Appl Code	13	14	15	16	17	18
TABLE OF R MEANS						
Replicate 1	37.5	99.0	98.0	99.0	96.9	99.0
Replicate 2	37.5	99.0	99.0	99.0	97.0	99.0
Replicate 3	37.5	99.0	95.0	99.0	98.5	99.0
Replicate 4	37.5	99.0	98.5	99.0	97.4	99.0
TABLE OF A (VALOR FORMULATION) MEANS						
1 VALOR SX 51 WG	37.5 a	99.0 a	97.9 a	99.0 a	96.9 a	99.0 a
2 RED EAGLE FLUMIOXAZI 51 WG	39.4 a	99.0 a	96.8 a	99.0 a	98.0 a	99.0 a
3 PANTHER 4 SC	36.9 a	99.0 a	97.9 a	99.0 a	97.0 a	99.0 a
4 VALOR EZ 4 SC	36.3 a	99.0 a	98.0 a	99.0 a	97.9 a	99.0 a
Tukey's HSD P=.10	5.08	.	3.34	.	3.91	.
Standard Deviation	3.82	0.00	2.51	0.00	2.94	0.00
CV	10.18	0.00	2.57	0.00	3.01	0.00
TABLE OF B (RATE/A) MEANS						
1 3.0 oz/a PRE A	25.6 b	99.0 a	96.3 a	99.0 a	97.2 a	99.0 a
2 6.0 oz/a PRE A	49.4 a	99.0 a	99.0 a	99.0 a	97.7 a	99.0 a
Tukey's HSD P=.10	2.94	.	4.23	.	2.69	.
Standard Deviation	3.54	0.00	5.08	0.00	3.23	0.00
CV	9.43	0.00	5.21	0.00	3.31	0.00
TABLE OF A (VALOR FORMULATION) B (RATE/A) MEANS						
1 VALOR SX 51 WG	25.0 b	99.0 a	96.8 a	99.0 a	98.0 a	99.0 a
1 3.0 oz/a PRE A						
2 RED EAGLE FLUMIOXAZI 51 WG	28.8 b	99.0 a	94.5 a	99.0 a	97.0 a	99.0 a
1 3.0 oz/a PRE A						
3 PANTHER 4 SC	23.8 b	99.0 a	96.8 a	99.0 a	97.0 a	99.0 a
1 3.0 oz/a PRE A						
4 VALOR EZ 4 SC	25.0 b	99.0 a	97.0 a	99.0 a	96.8 a	99.0 a
1 3.0 oz/a PRE A						
1 VALOR SX 51 WG	50.0 a	99.0 a	99.0 a	99.0 a	95.8 a	99.0 a
2 6.0 oz/a PRE A						
2 RED EAGLE FLUMIOXAZI 51 WG	50.0 a	99.0 a	99.0 a	99.0 a	99.0 a	99.0 a
2 6.0 oz/a PRE A						
3 PANTHER 4 SC	50.0 a	99.0 a	99.0 a	99.0 a	97.0 a	99.0 a
2 6.0 oz/a PRE A						
4 VALOR EZ 4 SC	47.5 a	99.0 a	99.0 a	99.0 a	99.0 a	99.0 a
2 6.0 oz/a PRE A						
Tukey's HSD P=.10	7.62	.	5.93	.	5.76	.
Standard Deviation	3.23	0.00	2.51	0.00	2.44	0.00
CV	8.61	0.00	2.57	0.00	2.50	0.00

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

University of Georgia

Weed Code					-----	-----
Crop Code					ARAHY	ARAHY
Part Rated					PLOT -	PLOT -
Rating Data Type					YIELD	YIELD
Rating Unit					LBS/PLOT	LBS/A
Rating Date					Sep-24-18	Sep-24-18
Trt-Eval Interval					138 DA-A	138 DA-A
PRM Data Type						TY1
# Subsamples, Dec.					- 2	- 0
Trt Treatment	Form Form	Rate	Grow	Appl		
No. Name	Conc Type	Rate Unit	Stg	Code	19	20
TABLE OF R MEANS						
Replicate 1					24.22	6088
Replicate 2					23.85	5995
Replicate 3					24.43	6141
Replicate 4					25.32	6364
TABLE OF A (VALOR FORMULATION) MEANS						
1 VALOR SX	51 WG				24.58 a	6179 a
2 RED EAGLE FLUMIOXAZI	51 WG				23.13 a	5814 a
3 PANTHER	4 SC				25.31 a	6362 a
4 VALOR EZ	4 SC				24.79 a	6232 a
Tukey's HSD P=.10					4.100	1030.6
Standard Deviation					3.083	774.9
CV					12.607	12.6
TABLE OF B (RATE/A) MEANS						
1		3.0 oz/a	PRE	A	25.33 a	6367 a
2		6.0 oz/a	PRE	A	23.58 b	5927 b
Tukey's HSD P=.10					1.572	395.1
Standard Deviation					1.889	474.9
CV					7.725	7.7
TABLE OF A (VALOR FORMULATION) B (RATE/A) MEANS						
1 VALOR SX	51 WG				25.50 a	6410 a
1		3.0 oz/a	PRE	A		
2 RED EAGLE FLUMIOXAZI	51 WG				23.69 a	5954 a
1		3.0 oz/a	PRE	A		
3 PANTHER	4 SC				25.94 a	6520 a
1		3.0 oz/a	PRE	A		
4 VALOR EZ	4 SC				26.20 a	6586 a
1		3.0 oz/a	PRE	A		
1 VALOR SX	51 WG				23.66 a	5948 a
2		6.0 oz/a	PRE	A		
2 RED EAGLE FLUMIOXAZI	51 WG				22.58 a	5674 a
2		6.0 oz/a	PRE	A		
3 PANTHER	4 SC				24.69 a	6205 a
2		6.0 oz/a	PRE	A		
4 VALOR EZ	4 SC				23.39 a	5879 a
2		6.0 oz/a	PRE	A		
Tukey's HSD P=.10					6.213	1561.7
Standard Deviation					2.632	661.6
CV					10.763	10.8

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

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COMPLETE FACTORIAL AOV For ----- ARAHY PLANT STUNTING PERCENT May-17-18 (Data Column 1)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)	
Total	31	1421.875000					
R	3	559.375000	186.458333	5.536	0.0197		
A	3	9.375000	3.125000	0.138	0.9345	6.3	
RA	9	203.125000	22.569444				
B	1	28.125000	28.125000	0.273	0.6376	8.4	
RB	3	309.375000	103.125000				
AB	3	9.375000	3.125000	0.093	0.9621	13.7	
RAB	9	303.125000	33.680556				

COMPLETE FACTORIAL AOV For AMAPA ----- CONTROL PERCENT May-17-18 (Data Column 2)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)	
Total	31	0.000000					
R	3	0.000000	0.000000	0.000	1.0000		
A	3	0.000000	0.000000	0.000	1.0000	.	
RA	9	0.000000	0.000000				
B	1	0.000000	0.000000	0.000	1.0000	.	
RB	3	0.000000	0.000000				
AB	3	0.000000	0.000000	0.000	1.0000	.	
RAB	9	0.000000	0.000000				

COMPLETE FACTORIAL AOV For AGRASS ----- CONTROL PERCENT May-17-18 (Data Column 3)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)	
Total	31	0.000000					
R	3	0.000000	0.000000	0.000	1.0000		
A	3	0.000000	0.000000	0.000	1.0000	.	
RA	9	0.000000	0.000000				
B	1	0.000000	0.000000	0.000	1.0000	.	
RB	3	0.000000	0.000000				
AB	3	0.000000	0.000000	0.000	1.0000	.	
RAB	9	0.000000	0.000000				

COMPLETE FACTORIAL AOV For IAQTA ----- CONTROL PERCENT May-17-18 (Data Column 4)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)	
Total	31	0.000000					
R	3	0.000000	0.000000	0.000	1.0000		
A	3	0.000000	0.000000	0.000	1.0000	.	
RA	9	0.000000	0.000000				
B	1	0.000000	0.000000	0.000	1.0000	.	
RB	3	0.000000	0.000000				
AB	3	0.000000	0.000000	0.000	1.0000	.	
RAB	9	0.000000	0.000000				

COMPLETE FACTORIAL AOV For ----- ARAHY PLANT STUNTING PERCENT May-23-18 (Data Column 5)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)	
Total	31	1399.218750					
R	3	8.593750	2.864583	0.216	0.8831		
A	3	39.843750	13.281250	1.889	0.2019	3.5	
RA	9	63.281250	7.031250				
B	1	1069.531250	1069.531250	49.482	0.0059	3.9	
RB	3	64.843750	21.614583				
AB	3	33.593750	11.197917	0.843	0.5040	8.6	
RAB	9	119.531250	13.281250				

COMPLETE FACTORIAL AOV For AMAPA ----- CONTROL PERCENT May-23-18 (Data Column 6)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)	
Total	31	0.000000					
R	3	0.000000	0.000000	0.000	1.0000		
A	3	0.000000	0.000000	0.000	1.0000	.	
RA	9	0.000000	0.000000				
B	1	0.000000	0.000000	0.000	1.0000	.	
RB	3	0.000000	0.000000				
AB	3	0.000000	0.000000	0.000	1.0000	.	
RAB	9	0.000000	0.000000				

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

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COMPLETE FACTORIAL AOV For AGRASS ----- CONTROL PERCENT May-23-18 (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	31	0.000000				
R	3	0.000000	0.000000	0.000	1.0000	
A	3	0.000000	0.000000	0.000	1.0000	
RA	9	0.000000	0.000000			
B	1	0.000000	0.000000	0.000	1.0000	
RB	3	0.000000	0.000000			
AB	3	0.000000	0.000000	0.000	1.0000	
RAB	9	0.000000	0.000000			

COMPLETE FACTORIAL AOV For IAQTA ----- CONTROL PERCENT May-23-18 (Data Column 8)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	31	0.000000				
R	3	0.000000	0.000000	0.000	1.0000	
A	3	0.000000	0.000000	0.000	1.0000	
RA	9	0.000000	0.000000			
B	1	0.000000	0.000000	0.000	1.0000	
RB	3	0.000000	0.000000			
AB	3	0.000000	0.000000	0.000	1.0000	
RAB	9	0.000000	0.000000			

COMPLETE FACTORIAL AOV For ----- ARAHY PLANT STUNTING PERCENT May-30-18 (Data Column 9)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	31	7421.875000				
R	3	84.375000	28.125000	1.246	0.3494	
A	3	334.375000	111.458333	6.551	0.0122	5.5
RA	9	153.125000	17.013889			
B	1	6328.125000	6328.125000	102.966	0.0020	6.5
RB	3	184.375000	61.458333			
AB	3	134.375000	44.791667	1.985	0.1869	11.2
RAB	9	203.125000	22.569444			

COMPLETE FACTORIAL AOV For AMAPA ----- CONTROL PERCENT May-30-18 (Data Column 10)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	31	0.000000				
R	3	0.000000	0.000000	0.000	1.0000	
A	3	0.000000	0.000000	0.000	1.0000	
RA	9	0.000000	0.000000			
B	1	0.000000	0.000000	0.000	1.0000	
RB	3	0.000000	0.000000			
AB	3	0.000000	0.000000	0.000	1.0000	
RAB	9	0.000000	0.000000			

COMPLETE FACTORIAL AOV For AGRASS ----- CONTROL PERCENT May-30-18 (Data Column 11)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	31	0.000000				
R	3	0.000000	0.000000	0.000	1.0000	
A	3	0.000000	0.000000	0.000	1.0000	
RA	9	0.000000	0.000000			
B	1	0.000000	0.000000	0.000	1.0000	
RB	3	0.000000	0.000000			
AB	3	0.000000	0.000000	0.000	1.0000	
RAB	9	0.000000	0.000000			

COMPLETE FACTORIAL AOV For IAQTA ----- CONTROL PERCENT May-30-18 (Data Column 12)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	31	0.000000				
R	3	0.000000	0.000000	0.000	1.0000	
A	3	0.000000	0.000000	0.000	1.0000	
RA	9	0.000000	0.000000			
B	1	0.000000	0.000000	0.000	1.0000	
RB	3	0.000000	0.000000			
AB	3	0.000000	0.000000	0.000	1.0000	
RAB	9	0.000000	0.000000			

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

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COMPLETE FACTORIAL AOV For ----- ARAHY PLANT STUNTING PERCENT Jun-18-18 (Data Column 13)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	31	4850.000000				
R	3	0.000000	0.000000	0.000	1.0000	
A	3	43.750000	14.583333	1.000	0.4363	5.1
RA	9	131.250000	14.583333			
B	1	4512.500000	4512.500000	361.000	0.0003	2.9
RB	3	37.500000	12.500000			
AB	3	31.250000	10.416667	1.000	0.4363	7.6
RAB	9	93.750000	10.416667			

COMPLETE FACTORIAL AOV For AMAPA ----- CONTROL PERCENT Jun-18-18 (Data Column 14)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	31	0.000000				
R	3	0.000000	0.000000	0.000	1.0000	
A	3	0.000000	0.000000	0.000	1.0000	.
RA	9	0.000000	0.000000			
B	1	0.000000	0.000000	0.000	1.0000	.
RB	3	0.000000	0.000000			
AB	3	0.000000	0.000000	0.000	1.0000	.
RAB	9	0.000000	0.000000			

COMPLETE FACTORIAL AOV For AGRASS ----- CONTROL PERCENT Jun-18-18 (Data Column 15)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	31	345.500000				
R	3	77.500000	25.833333	4.097	0.0434	
A	3	8.250000	2.750000	0.436	0.7325	3.3
RA	9	56.750000	6.305556			
B	1	60.500000	60.500000	2.342	0.2234	4.2
RB	3	77.500000	25.833333			
AB	3	8.250000	2.750000	0.436	0.7325	5.9
RAB	9	56.750000	6.305556			

COMPLETE FACTORIAL AOV For AMAPA ----- CONTROL PERCENT Jul-17-18 (Data Column 16)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	31	0.000000				
R	3	0.000000	0.000000	0.000	1.0000	
A	3	0.000000	0.000000	0.000	1.0000	.
RA	9	0.000000	0.000000			
B	1	0.000000	0.000000	0.000	1.0000	.
RB	3	0.000000	0.000000			
AB	3	0.000000	0.000000	0.000	1.0000	.
RAB	9	0.000000	0.000000			

COMPLETE FACTORIAL AOV For AGRASS ----- CONTROL PERCENT Jul-17-18 (Data Column 17)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	31	211.875000				
R	3	13.125000	4.375000	0.736	0.5565	
A	3	8.125000	2.708333	0.314	0.8150	3.9
RA	9	77.625000	8.625000			
B	1	2.000000	2.000000	0.192	0.6909	2.7
RB	3	31.250000	10.416667			
AB	3	26.250000	8.750000	1.472	0.2865	5.8
RAB	9	53.500000	5.944444			

COMPLETE FACTORIAL AOV For DEDTO ----- CONTROL PERCENT Jul-17-18 (Data Column 18)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	31	0.000000				
R	3	0.000000	0.000000	0.000	1.0000	
A	3	0.000000	0.000000	0.000	1.0000	.
RA	9	0.000000	0.000000			
B	1	0.000000	0.000000	0.000	1.0000	.
RB	3	0.000000	0.000000			
AB	3	0.000000	0.000000	0.000	1.0000	.
RAB	9	0.000000	0.000000			

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

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COMPLETE FACTORIAL AOV For ----- ARAHY PLOT YIELD LBS/PLOT Sep-24-18 138 DA-A 2 (Data Column 19)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	31	217.071797				
R	3	9.347734	3.115911	0.450	0.7236	
A	3	20.946484	6.982161	0.735	0.5572	4.10
RA	9	85.546328	9.505148			
B	1	24.587578	24.587578	6.889	0.0787	1.57
RB	3	10.707109	3.569036			
AB	3	3.585859	1.195286	0.173	0.9123	6.21
RAB	9	62.350703	6.927856			

COMPLETE FACTORIAL AOV For ----- ARAHY PLOT YIELD LBS/A Sep-24-18 138 DA-A TY1 0 (Data Column 20)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.10)
Total	31	13714702.983039				
R	3	590594.459359	196864.819786	0.450	0.7236	
A	3	1323409.193998	441136.397999	0.735	0.5572	1031
RA	9	5404859.122254	600539.902473			
B	1	1553455.289500	1553455.289500	6.889	0.0787	395
RB	3	676480.441029	225493.480343			
AB	3	226556.360499	75518.786833	0.173	0.9123	1562
RAB	9	3939348.116400	437705.346267			

Weed Code

AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.

IAQTA = MORNINGGLORY, SMALLFLOWER / JACQUEMONTIA TAMNIFOLIA (L.) GRISEB.

DEDTO = BEGGARWEED, FLORIDA / DESMODIUM TORTUOSUM (SWEET) DC.

Part Rated

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

PRM Data Type

TY1 = 251.3573*[C19]

University of Georgia

FLUMIOXAZIN FORMULATION TEST IN PEANUT
 YEAR 2
 Trial ID: PE-06-18 Study Dir.:
 Location: ATTAPULGUS Investigator: Eric P. Prostko

Weed Code					----- ARAHY PLANT - STUNTING PERCENT May-17-18
Crop Code					AMAPA ----- CONTROL PERCENT May-17-18
Part Rated					AGRASS ----- CONTROL PERCENT May-17-18
Rating Data Type					IAQTA ----- CONTROL PERCENT May-17-18
Rating Unit					----- ARAHY PLANT - STUNTING PERCENT May-23-18
Rating Date					
Trt-Eval Interval					
PRM Data Type					
# Subsamples, Dec.					
Trt Treatment	Form Form	Rate Grow	Appl		
No. Name	Conc Type	Rate Unit	Stg Code	Plot	
					1 2 3 4 5
1 NTC				101	0.0
				208	0.0
				309	0.0
				407	0.0
				Mean =	0.0
2 VALOR SX	51 WG	3.0 oz/a	PRE A	102	30.0
				201	40.0
				305	20.0
				401	30.0
				Mean =	30.0
3 VALOR SX	51 WG	6.0 oz/a	PRE A	103	40.0
				205	30.0
				302	40.0
				408	20.0
				Mean =	32.5
4 RED EAGLE FLUMIOXAZI	51 WG	3.0 oz/a	PRE A	104	30.0
				203	40.0
				306	30.0
				402	30.0
				Mean =	32.5
5 RED EAGLE FLUMIOXAZI	51 WG	6.0 oz/a	PRE A	105	40.0
				207	30.0
				308	30.0
				404	30.0
				Mean =	32.5
6 PANTHER	4 SC	3.0 oz/a	PRE A	106	30.0
				202	40.0
				310	30.0
				409	20.0
				Mean =	30.0
7 PANTHER	4 SC	6.0 oz/a	PRE A	107	40.0
				209	30.0
				303	40.0
				405	20.0
				Mean =	32.5
8 VALOR EZ	4 SC	3.0 oz/a	PRE A	108	40.0
				206	30.0
				301	30.0
				410	20.0
				Mean =	30.0
9 VALOR EZ	4 SC	6.0 oz/a	PRE A	109	40.0
				210	30.0
				304	30.0
				403	30.0
				Mean =	32.5
10 NTC				110	0.0
				204	0.0
				307	0.0
				406	0.0
				Mean =	0.0

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Trt-Eval Interval PRM Data Type # Subsamples, Dec.					AMAPA ----- CONTROL PERCENT May-23-18	AGRASS ----- CONTROL PERCENT May-23-18	IAQTA ----- CONTROL PERCENT May-23-18	----- ARAHY PLANT - STUNTING PERCENT May-30-18	AMAPA ----- CONTROL PERCENT May-30-18
Trt	Treatment	Form	Form	Rate	Grow	Appl			
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	
1	NTC								
								101	0.0
								208	0.0
								309	0.0
								407	0.0
								Mean =	0.0
2	VALOR SX	51	WG	3.0	oz/a	PRE	A	102	99.0
								201	99.0
								305	99.0
								401	99.0
								Mean =	99.0
3	VALOR SX	51	WG	6.0	oz/a	PRE	A	103	99.0
								205	99.0
								302	99.0
								408	99.0
								Mean =	99.0
4	RED EAGLE FLUMIOXAZI	51	WG	3.0	oz/a	PRE	A	104	99.0
								203	99.0
								306	99.0
								402	99.0
								Mean =	99.0
5	RED EAGLE FLUMIOXAZI	51	WG	6.0	oz/a	PRE	A	105	99.0
								207	99.0
								308	99.0
								404	99.0
								Mean =	99.0
6	PANTHER	4	SC	3.0	oz/a	PRE	A	106	99.0
								202	99.0
								310	99.0
								409	99.0
								Mean =	99.0
7	PANTHER	4	SC	6.0	oz/a	PRE	A	107	99.0
								209	99.0
								303	99.0
								405	99.0
								Mean =	99.0
8	VALOR EZ	4	SC	3.0	oz/a	PRE	A	108	99.0
								206	99.0
								301	99.0
								410	99.0
								Mean =	99.0
9	VALOR EZ	4	SC	6.0	oz/a	PRE	A	109	99.0
								210	99.0
								304	99.0
								403	99.0
								Mean =	99.0
10	NTC							110	0.0
								204	0.0
								307	0.0
								406	0.0
								Mean =	0.0

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Trt-Eval Interval PRM Data Type # Subsamples, Dec.						AGRASS ----- CONTROL PERCENT May-30-18	IAQTA ----- CONTROL PERCENT May-30-18	----- ARAHY PLANT - STUNTING PERCENT Jun-18-18	AMAPA ----- CONTROL PERCENT Jun-18-18	AGRASS ----- CONTROL PERCENT Jun-18-18
Trt	Treatment	Form	Form	Rate	Grow Appl	11	12	13	14	15
No.	Name	Conc	Type	Rate	Unit Stg Code					
1	NTC					101 0.0	208 0.0	309 0.0	407 0.0	Mean = 0.0
2	VALOR SX	51	WG	3.0 oz/a	PRE A	102 99.0	201 99.0	305 99.0	401 99.0	Mean = 99.0
3	VALOR SX	51	WG	6.0 oz/a	PRE A	103 99.0	205 99.0	302 99.0	408 99.0	Mean = 99.0
4	RED EAGLE FLUMIOXAZI	51	WG	3.0 oz/a	PRE A	104 99.0	203 99.0	306 99.0	402 99.0	Mean = 99.0
5	RED EAGLE FLUMIOXAZI	51	WG	6.0 oz/a	PRE A	105 99.0	207 99.0	308 99.0	404 99.0	Mean = 99.0
6	PANTHER	4	SC	3.0 oz/a	PRE A	106 99.0	202 99.0	310 99.0	409 99.0	Mean = 99.0
7	PANTHER	4	SC	6.0 oz/a	PRE A	107 99.0	209 99.0	303 99.0	405 99.0	Mean = 99.0
8	VALOR EZ	4	SC	3.0 oz/a	PRE A	108 99.0	206 99.0	301 99.0	410 99.0	Mean = 99.0
9	VALOR EZ	4	SC	6.0 oz/a	PRE A	109 99.0	210 99.0	304 99.0	403 99.0	Mean = 99.0
10	NTC					110 0.0	204 0.0	307 0.0	406 0.0	Mean = 0.0

University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Trt-Eval Interval PRM Data Type # Subsamples, Dec.							AMAPA ----- CONTROL PERCENT Jul-17-18	AGRASS ----- CONTROL PERCENT Jul-17-18	DEDTO ----- CONTROL PERCENT Jul-17-18	----- ARAHY PLOT - YIELD LBS/PLOT Sep-24-18 138 DA-A - 2	----- ARAHY PLOT - YIELD LBS/A Sep-24-18 138 DA-A TY1 - 0		
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	16	17	18	19	20
1	NTC							101	0.0	0.0	0.0	0.00	0
								208	0.0	0.0	0.0	0.00	0
								309	0.0	0.0	0.0	0.00	0
								407	0.0	0.0	0.0	0.00	0
								Mean =	0.0	0.0	0.0	0.00	0
2	VALOR SX	51	WG	3.0	oz/a	PRE	A	102	99.0	99.0	99.0	22.85	5744
								201	99.0	95.0	99.0	26.70	6711
								305	99.0	99.0	99.0	28.25	7101
								401	99.0	99.0	99.0	24.20	6083
								Mean =	99.0	98.0	99.0	25.50	6410
3	VALOR SX	51	WG	6.0	oz/a	PRE	A	103	99.0	90.0	99.0	22.00	5530
								205	99.0	95.0	99.0	22.50	5656
								302	99.0	99.0	99.0	26.20	6586
								408	99.0	99.0	99.0	23.95	6020
								Mean =	99.0	95.8	99.0	23.66	5948
4	RED EAGLE FLUMIOXAZI	51	WG	3.0	oz/a	PRE	A	104	99.0	95.0	99.0	21.60	5429
								203	99.0	99.0	99.0	21.60	5429
								306	99.0	99.0	99.0	23.75	5970
								402	99.0	95.0	99.0	27.80	6988
								Mean =	99.0	97.0	99.0	23.69	5954
5	RED EAGLE FLUMIOXAZI	51	WG	6.0	oz/a	PRE	A	105	99.0	99.0	99.0	21.50	5404
								207	99.0	99.0	99.0	22.50	5656
								308	99.0	99.0	99.0	19.20	4826
								404	99.0	99.0	99.0	27.10	6812
								Mean =	99.0	99.0	99.0	22.58	5674
6	PANTHER	4	SC	3.0	oz/a	PRE	A	106	99.0	99.0	99.0	27.70	6963
								202	99.0	95.0	99.0	26.50	6661
								310	99.0	95.0	99.0	22.70	5706
								409	99.0	99.0	99.0	26.85	6749
								Mean =	99.0	97.0	99.0	25.94	6520
7	PANTHER	4	SC	6.0	oz/a	PRE	A	107	99.0	95.0	99.0	25.95	6523
								209	99.0	95.0	99.0	25.20	6334
								303	99.0	99.0	99.0	25.00	6284
								405	99.0	99.0	99.0	22.60	5681
								Mean =	99.0	97.0	99.0	24.69	6205
8	VALOR EZ	4	SC	3.0	oz/a	PRE	A	108	99.0	99.0	99.0	29.30	7365
								206	99.0	99.0	99.0	27.35	6875
								301	99.0	99.0	99.0	23.90	6007
								410	99.0	90.0	99.0	24.25	6095
								Mean =	99.0	96.8	99.0	26.20	6586
9	VALOR EZ	4	SC	6.0	oz/a	PRE	A	109	99.0	99.0	99.0	22.85	5744
								210	99.0	99.0	99.0	18.45	4638
								304	99.0	99.0	99.0	26.45	6648
								403	99.0	99.0	99.0	25.80	6485
								Mean =	99.0	99.0	99.0	23.39	5879
10	NTC							110	0.0	0.0	0.0	0.00	0
								204	0.0	0.0	0.0	0.00	0
								307	0.0	0.0	0.0	0.00	0
								406	0.0	0.0	0.0	0.00	0
								Mean =	0.0	0.0	0.0	0.00	0

University of Georgia

FLUMIOXAZIN FORMULATION TEST IN PEANUT
YEAR 2
Trial ID: PE-06-18 Study Dir.:
Location: ATTAPULGUS Investigator: Eric P. Prostko

Weed Code
AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.
IAQTA = MORNINGGLORY, SMALLFLOWER / JACQUEMONTIA TAMNIFOLIA (L.) GRISEB.
DEDTO = BEGGARWEED, FLORIDA / DESMODIUM TORTUOSUM (SWEET) DC.
Part Rated
PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)
PRM Data Type
TY1 = 251.3573*[C19]