

University of Georgia

LENGTH OF RESIDUAL CONTROL IN PEANUT WITH TRIFLUDIMOXAZIN (BAS-850-01H) Trial ID: PE-13-22 Study Dir.: ABBY NORMAL FULMER Location: PONDER FARM Investigator: Eric P. Prostko											
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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	Grow Stg	Appl Code	Amt Product to Measure	Diluent	Rep 1	Rep 2	Rep 3
1	NTC							-	101	206	309
2	TRIFLUDIMOXAZIN	4.17	SC	0.68 oz/a	PRE	A	0.5312 mL/mx	1499.5 mL	102	205	306
3	TRIFLUDIMOXAZIN	4.17	SC	1.0 oz/a	PRE	A	0.7812 mL/mx	1499.2 mL	103	208	311
4	TRIFLUDIMOXAZIN	4.17	SC	2.0 oz/a	PRE	A	1.562 mL/mx	1498.4 mL	104	212	310
5	VALOR EZ	4	SC	3.0 oz/a	PRE	A	2.344 mL/mx	1497.7 mL	105	211	304
6	VALOR EZ	4	SC	6.0 oz/a	PRE	A	4.687 mL/mx	1495.3 mL	106	207	302
7	TRIFLUDIMOXAZIN PROWL H20	4.17 3.8	SC SC	0.68 oz/a 32.0 oz/a	PRE PRE	A A	0.5312 mL/mx 25.0 mL/mx	1474.5 mL	107	204	312
8	TRIFLUDIMOXAZIN PROWL H20	4.17 3.8	SC SC	1.0 oz/a 32.0 oz/a	PRE PRE	A A	0.7812 mL/mx 25.0 mL/mx	1474.2 mL	108	210	301
9	TRIFLUDIMOXAZIN PROWL H20	4.17 3.8	SC SC	2.0 oz/a 32.0 oz/a	PRE PRE	A A	1.562 mL/mx 25.0 mL/mx	1473.4 mL	109	203	305
10	VALOR EZ PROWL H20	4 3.8	SC SC	3.0 oz/a 32.0 oz/a	PRE PRE	A A	2.344 mL/mx 25.0 mL/mx	1472.7 mL	110	201	307
11	VALOR EZ PROWL H20	4 3.8	SC SC	6.0 oz/a 32.0 oz/a	PRE PRE	A A	4.687 mL/mx 25.0 mL/mx	1470.3 mL	111	202	308
12	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	25.0 mL/mx	1475 mL	112	209	303

Sort Order: Treatment

Trial Comments

ROUNDUP POWERMAX3 @ 32 OZ/A (04/28/22) FOR WEEDS NOT CONTROLLED BY TILLAGE

SELECT MAX 0.97EC 16 OZ/A + NIS @ 0.25% V/V (WHOLE TEST) - 05/17/22

**AFTER ALL RATINGS WERE OBTAINED, THE PLOT AREA (EXCEPT NTC) WAS SPRAYED ON 06/17/22 (R2-R3, 7.5" TALL PEANUT) WITH THE FOLLOWING TANK-MIX TO CLEAN IT UP:

ZIDUA 4.17SC @ 2.5 OZ/A + 2,4-DB 2SL @ 16 OZ/A + CADRE 2AS @ 4 OZ/A + COBRA 2EC @ 12.5 OZ/A + STRONGARM 84WG @ 0.3 OZ/A + INDUCE @ 0.25% V/V

DIGGING DATE: 09/15/22 (142 DAYS)

HARVEST DATE: 09/19/22

HARVEST MOSITURE: 13.6%

YIELDS ADJUSTED TO 10%

2% YIELD DEDUCTION FOR FM

SUMMARY:

1) GENERALLY, 1 OZ/A OF TRIFLUDIMOXAZIN WAS LESS INJURIOUS THAN 3 OZ/A OF VALOR. BUT, PEANUT INJURY FROM 2 OZ/A OF TRIFLUDIMOXAZIN WAS SIMILAR TO 3 OZ/A OF VALOR.

2 AT 18 DAT (MAY 16), ANNUAL GRASS CONTROL WITH TRIFLUDIMOXAZIN @ 0.68 AND 1.0 OZ/A WAS LESS THAN VALOR AT 3 OZ/A. 2 OZ/A OF TRIFLUDIMOXAZIN AND 3 OR 6 OZ/A OF VALOR WERE EQUIVALENT.

2) AT 47 DAT (JUNE 14), THERE WERE NO DIFFERENCES IN PALMER AMARANTH CONTROL BETWEEN TRIFLUDIMOXAZIN AND VALOR.

3) AT 47 DAT (JUNE 14), TRIFLUDIMOXAZIN @ 0.68 OZ/A AND 1.0 OZ/A PROVIDED LESS CONTROL OF WILD RADISH THAN VALOR. 2 OZ/A OF TRIFLUDIMOXAZIN WAS EQUIVALENT TO 3 OR 6 OZ/A OF VALOR.

4) GENERALLY, THERE WERE NO DIFFERENCES IN PEANUT YIELD BETWEEN TRIFLUDIMOXAZIN AND VALOR TREATED PLOTS.

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LENGTH OF RESIDUAL CONTROL IN PEANUT

WITH TRIFLUDIMOXAZIN (BAS-850-01H)

Trial ID: PE-13-22 Study Dir.: ABBY NORMAL FULMER

Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: ABBY NORMAL FULMER

Title: _____

Affiliation: _____

Postal Code: _____

Investigator: Eric P. Prostko

Title: _____

Affiliation: _____

Postal Code: _____

TRIAL LOCATION

City: _____

State/Prov.: _____

Postal Code: _____

Country: _____

E-Longitude of LL Corner °: _____

Altitude of LL Corner: _____ Unit: _____

Directions: _____

Trial Status: E

Trial Reliability: _____

Initiation Date: _____

Planned Completion Date: _____

N-Latitude of LL Corner °: _____

Angle y-axis to North °: _____

COOPERATOR/LANDOWNER

Cooperator: _____

Org: _____

Address 1: _____

Address 2: _____

City: _____

State/Prov.: _____

Postal Code: _____

Country: _____

Phone No: _____

Fax No: _____

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/CGOOSE/CROW/CRAB
4.	IPOLA	PI	TTED MG

Crop 1: ARAHY PEANUT

Planting Date: Apr-27-22

Planting Method: MONOSEM TWIN ROW

Rate: 3.1 SEED/FT

Depth: 2 IN

Variety: GA-16HO

Row Spacing: _____

Spacing Within Row: _____

Perennial Age: _____

Soil Temperature: _____

Soil Moisture: OPTIMUM

Seed Bed: _____

Emergence Date: _____

SITE AND DESIGN

Plot Width, Unit: 6 FT

Plot Length, Unit: 25 FT Reps: 3

Site Type: _____

Tillage Type: CONVENTIONAL

Study Design: RACOB

Trial Initiation Comments: _____

	Previous Crops	Previous Pesticides	Year
1.	FIELD CORN		2022

MAINTENANCE

Field Prep./Maintenance: 1.5 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 - 06/06/22

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LENGTH OF RESIDUAL CONTROL IN PEANUT

WITH TRIFLUDIMOXAZIN (BAS-850-01H)

Trial ID: PE-13-22 Study Dir.: ABBY NORMAL FULMER

Location: PONDER FARM Investigator: Eric P. Prostko

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

SOIL DESCRIPTION

% Sand: 94 % OM: 0.61 Texture: SAND
 % Silt: 4 pH: 6.0 Soil Name: TIFTON
 % Clay: 2 CEC: 2.6 Fert. Level: GOOD

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Apr-28-22		0.5	IN	SPRINKLER - LATERAL MOVE		
2.	May-2-22		0.5	IN	SPRINKLER - LATERAL MOVE		
3.	May-3-22		0.3	IN	SPRINKLER - LATERAL MOVE		
4.	May-6-22		0.45	IN	RAINFALL		
5.	May-10-22		0.38	IN	SPRINKLER - LATERAL MOVE		
6.	May-12-22		0.5	IN	SPRINKLER - LATERAL MOVE		
7.	May-24-22		1.8	IN	RAINFALL		
8.	Jun-1-22		0.5	IN	SPRINKLER - LATERAL MOVE		
9.	Jun-3-22		0.5	IN	SPRINKLER - LATERAL MOVE		
10.	Jun-7-22		0.5	IN	SPRINKLER - LATERAL MOVE		
11.							

Overall Moisture Conditions:

Closest Weather Station: _____ Distance: _____ Unit: _____

APPLICATION DESCRIPTION

	A
Application Date:	Apr-28-22
Time of Day:	8:00 AM
Application Method:	BROADCAST
Application Timing:	PRE
Applic. Placement:	SOIL
Air Temp., Unit:	60 F
% Relative Humidity:	88
Wind Velocity, Unit:	1 MPH
Dew Presence (Y/N):	N
Water Hardness:	--
Soil Temp., Unit:	68 F
Soil Moisture:	OPTIMUM
% Cloud Cover:	0

CROP STAGE AT EACH APPLICATION

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

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WITH TRIFLUDIMOXAZIN (BAS-850-01H)

Trial ID: PE-13-22

Study Dir.: ABBY NORMAL FULMER

Location: PONDER FARM Investigator: Eric P. Prostko

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:	36
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				-----	-----	Agrass	Amapa	-----	-----		
Crop Code				Arahy	Arahy	-----	-----	Arahy	Arahy		
Part Rated				Stunting	Necrosis	Control	Control	Plant, -	Leaf, -		
Rating Data Type				%	%	%	%	Stunting	Necrosis		
Rating Unit				May-9-22	May-9-22	May-9-22	May-9-22	May-16-22	May-16-22		
Rating Date											
Trt-Eval Interval				11 DA-A	11 DA-A	11 DA-A	11 DA-A	18 DA-A	18 DA-A		
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate	Unit	Stg	Code				
1	NTC							0.0 e	0.0 c	0.0 c	0.0 c
2	TRIFLUDIMOXAZIN	4.17	SC	0.68 oz/a	PRE	A		0.0 e	0.0 c	94.3 b	99.0 a
3	TRIFLUDIMOXAZIN	4.17	SC	1.0 oz/a	PRE	A		0.0 e	0.0 c	97.7 ab	99.0 a
4	TRIFLUDIMOXAZIN	4.17	SC	2.0 oz/a	PRE	A		8.3 c	1.7 bc	99.0 a	99.0 a
5	VALOR EZ	4	SC	3.0 oz/a	PRE	A		15.0 b	3.3 b	99.0 a	99.0 a
6	VALOR EZ	4	SC	6.0 oz/a	PRE	A		26.7 a	6.7 a	99.0 a	99.0 a
7	TRIFLUDIMOXAZIN	4.17	SC	0.68 oz/a	PRE	A		1.7 de	0.0 c	94.3 b	99.0 a
	PROWL H20	3.8	SC	32.0 oz/a	PRE	A				6.7 de	0.0 c
8	TRIFLUDIMOXAZIN	4.17	SC	1.0 oz/a	PRE	A		6.7 cd	1.7 bc	97.7 ab	99.0 a
	PROWL H20	3.8	SC	32.0 oz/a	PRE	A				10.0 d	1.7 c
9	TRIFLUDIMOXAZIN	4.17	SC	2.0 oz/a	PRE	A		8.3 c	1.7 bc	99.0 a	99.0 a
	PROWL H20	3.8	SC	32.0 oz/a	PRE	A				16.7 c	10.0 b
10	VALOR EZ	4	SC	3.0 oz/a	PRE	A		16.7 b	6.7 a	99.0 a	99.0 a
	PROWL H20	3.8	SC	32.0 oz/a	PRE	A				23.3 b	11.7 b
11	VALOR EZ	4	SC	6.0 oz/a	PRE	A		26.7 a	8.3 a	99.0 a	99.0 a
	PROWL H20	3.8	SC	32.0 oz/a	PRE	A				40.0 a	23.3 a
12	PROWL H20	3.8	SC	32.0 oz/a	PRE	A		1.7 de	0.0 c	99.0 a	99.0 a
										1.7 ef	0.0 c
LSD P=.10				5.38	2.99	4.34				5.76	5.35
Standard Deviation				3.84	2.13	3.09		0.00		4.11	3.82
CV				41.22	85.28	3.45		0.0		26.63	48.24
Grand Mean				9.31	2.50	89.75		90.75		15.42	7.92
Bartlett's X2^				16.533	4.946	20.466		.		14.867	28.728
P(Bartlett's X2)				0.122	0.934	0.039*		.		0.189	0.003*

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.

Could not calculate LSD (% mean diff) for columns 4 because error mean square = 0.

^Calculated from residual.

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Weed Code				Agrass	Amapa	-----	Amapa	Rapra	-----
Crop Code				-----	-----	Arahy	-----	-----	Arahy
Part Rated				Control	Control	Plant, -	Control	Control	Plant, -
Rating Data Type				%	%	Stunting	%	%	Stunting
Rating Unit				May-16-22	May-16-22	May-31-22	May-31-22	May-31-22	Jun-14-22
Rating Date				18 DA-A	18 DA-A	33 DA-A	33 DA-A	33 DA-A	47 DA-A
Trt-Eval Interval									
Trt	Treatment	Form	Form	Rate	Grow	Appl			
No.	Name	Conc	Type	Rate	Unit	Stg	Code		
1	NTC								
2	TRIFLUDIMOXAZIN	4.17	SC	0.68 oz/a	PRE	A			
3	TRIFLUDIMOXAZIN	4.17	SC	1.0 oz/a	PRE	A			
4	TRIFLUDIMOXAZIN	4.17	SC	2.0 oz/a	PRE	A			
5	VALOR EZ	4	SC	3.0 oz/a	PRE	A			
6	VALOR EZ	4	SC	6.0 oz/a	PRE	A			
7	TRIFLUDIMOXAZIN	4.17	SC	0.68 oz/a	PRE	A			
	PROWL H20	3.8	SC	32.0 oz/a	PRE	A			
8	TRIFLUDIMOXAZIN	4.17	SC	1.0 oz/a	PRE	A			
	PROWL H20	3.8	SC	32.0 oz/a	PRE	A			
9	TRIFLUDIMOXAZIN	4.17	SC	2.0 oz/a	PRE	A			
	PROWL H20	3.8	SC	32.0 oz/a	PRE	A			
10	VALOR EZ	4	SC	3.0 oz/a	PRE	A			
	PROWL H20	3.8	SC	32.0 oz/a	PRE	A			
11	VALOR EZ	4	SC	6.0 oz/a	PRE	A			
	PROWL H20	3.8	SC	32.0 oz/a	PRE	A			
12	PROWL H20	3.8	SC	32.0 oz/a	PRE	A			
LSD P=.10				7.22	1.26	6.43	2.60	6.08	4.63
Standard Deviation				5.15	0.90	4.59	1.86	4.33	3.30
CV				6.16	0.99	47.84	2.07	5.15	84.98
Grand Mean				83.69	90.53	9.58	89.94	84.22	3.89
Bartlett's X2^				13.472	21.813	15.077	22.468	18.843	6.381
P(Bartlett's X2)				0.264	0.026*	0.179	0.021*	0.064	0.847

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.

Could not calculate LSD (% mean diff) for columns 4 because error mean square = 0.

^Calculated from residual.

LENGTH OF RESIDUAL CONTROL IN PEANUT WITH TRIFLUDIMOXAZIN (BAS-850-01H)													
Trial ID: PE-13-22		Study Dir.: ABBY NORMAL FULMER											
Location: PONDER FARM		Investigator: Eric P. Prostko											
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Trt-Eval Interval						Amapa ----- Control % Jun-14-22 47 DA-A	Rapra ----- Control % Jun-14-22 47 DA-A	Ipola ----- Control % Jun-14-22 47 DA-A	----- ARAHY YIELD, - DIRTY LBS/PLOT Sep-19-22 144 DA-A	----- ARAHY YIELD, - CLEAN LBS/PLOT Sep-19-22 144 DA-A	----- ARAHY YIELD, - YIELD LBS/A Sep-19-22 144 DA-A		
Trt	Treatment	Form	Form	Rate	Grow	Appl	13	14	15	16	17	18	
No.	Name	Conc	Type	Rate	Unit	Stg	Code						
1	NTC							0.0 d	0.0 f	0.0 e	0.00 e	0.0 e	0.0 e
2	TRIFLUDIMOXAZIN	4.17	SC	0.68 oz/a	PRE	A		95.3 b	71.7 d	48.3 d	19.07 cd	18.7 cd	5209.2 cd
3	TRIFLUDIMOXAZIN	4.17	SC	1.0 oz/a	PRE	A		96.7 ab	78.3 d	76.7 bc	17.93 d	17.6 d	4899.5 d
4	TRIFLUDIMOXAZIN	4.17	SC	2.0 oz/a	PRE	A		100.0 a	98.3 ab	90.0 abc	20.53 abc	20.1 abc	5609.9 abc
5	VALOR EZ	4	SC	3.0 oz/a	PRE	A		98.3 ab	98.3 ab	91.7 abc	20.67 ab	20.3 ab	5646.3 ab
6	VALOR EZ	4	SC	6.0 oz/a	PRE	A		100.0 a	100.0 a	98.3 ab	19.87 bc	19.5 bc	5427.7 bc
7	TRIFLUDIMOXAZIN	4.17	SC	0.68 oz/a	PRE	A		99.3 a	88.3 c	80.0 abc	19.83 bc	19.4 bc	5418.6 bc
	PROWL H20	3.8	SC	32.0 oz/a	PRE	A							
8	TRIFLUDIMOXAZIN	4.17	SC	1.0 oz/a	PRE	A		98.3 ab	90.0 bc	90.0 abc	20.13 abc	19.7 abc	5500.6 abc
	PROWL H20	3.8	SC	32.0 oz/a	PRE	A							
9	TRIFLUDIMOXAZIN	4.17	SC	2.0 oz/a	PRE	A		100.0 a	100.0 a	86.7 abc	21.43 a	21.0 a	5855.8 a
	PROWL H20	3.8	SC	32.0 oz/a	PRE	A							
10	VALOR EZ	4	SC	3.0 oz/a	PRE	A		100.0 a	95.0 abc	96.7 abc	20.13 abc	19.7 abc	5500.6 abc
	PROWL H20	3.8	SC	32.0 oz/a	PRE	A							
11	VALOR EZ	4	SC	6.0 oz/a	PRE	A		100.0 a	100.0 a	100.0 a	20.83 ab	20.4 ab	5691.8 ab
	PROWL H20	3.8	SC	32.0 oz/a	PRE	A							
12	PROWL H20	3.8	SC	32.0 oz/a	PRE	A		90.0 c	13.3 e	75.0 c	18.17 d	17.8 d	4963.3 d
LSD P=.10								3.92	9.76	22.69	1.546	1.52	422.40
Standard Deviation								2.80	6.96	16.18	1.103	1.08	301.27
CV								3.11	8.95	20.81	6.05	6.05	6.05
Grand Mean								89.83	77.78	77.78	18.217	17.85	4976.95
Bartlett's X2^								15.904	20.734	21.945	12.454	12.454	12.454
P(Bartlett's X2)								0.145	0.036*	0.025*	0.331	0.331	0.331

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.
Could not calculate LSD (% mean diff) for columns 4 because error mean square = 0.
^Calculated from residual.

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Trial ID: PE-13-22		Study Dir.: ABBY NORMAL FULMER				
Location: PONDER FARM		Investigator: Eric P. Prostko				
Randomized Complete Block (RCB) AOV For ----- Arahy Stunting % May-9-22 11 DA-A (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	3557.638889				
Replicate	2	9.722222	4.861111	0.330	0.7221	
Treatment	11	3224.305556	293.118687	19.927	0.0001	
Error	22	323.611111	14.709596			
Randomized Complete Block (RCB) AOV For ----- Arahy Necrosis % May-9-22 11 DA-A (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	475.000000				
Replicate	2	66.666667	33.333333	7.333	0.0036	
Treatment	11	308.333333	28.030303	6.167	0.0002	
Error	22	100.000000	4.545455			
Randomized Complete Block (RCB) AOV For Agrass ----- Control % May-9-22 11 DA-A (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	26746.750000				
Replicate	2	72.000000	36.000000	3.759	0.0394	
Treatment	11	26464.083333	2405.825758	251.241	0.0001	
Error	22	210.666667	9.575758			
Randomized Complete Block (RCB) AOV For Amapa ----- Control % May-9-22 11 DA-A (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	26952.750000				
Replicate	2	0.000000	0.000000	0.000	1.0000	
Treatment	11	26952.750000	2450.250000	0.000	1.0000	
Error	22	0.000000	0.000000			
Randomized Complete Block (RCB) AOV For ----- Arahy Plant Stunting % May-16-22 18 DA-A (Data Column 5)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	6068.750000				
Replicate	2	12.500000	6.250000	0.371	0.6944	
Treatment	11	5685.416667	516.856061	30.663	0.0001	
Error	22	370.833333	16.856061			
Randomized Complete Block (RCB) AOV For ----- Arahy Leaf Necrosis % May-16-22 18 DA-A (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	2918.750000				
Replicate	2	12.500000	6.250000	0.429	0.6568	
Treatment	11	2585.416667	235.037879	16.117	0.0001	
Error	22	320.833333	14.583333			
Randomized Complete Block (RCB) AOV For Agrass ----- Control % May-16-22 18 DA-A (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	28445.638889				
Replicate	2	144.055556	72.027778	2.714	0.0884	
Treatment	11	27717.638889	2519.785354	94.932	0.0001	
Error	22	583.944444	26.542929			
Randomized Complete Block (RCB) AOV For Amapa ----- Control % May-16-22 18 DA-A (Data Column 8)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	26850.972222				
Replicate	2	3.555556	1.777778	2.200	0.1346	
Treatment	11	26829.638889	2439.058081	3018.335	0.0001	
Error	22	17.777778	0.808081			
Randomized Complete Block (RCB) AOV For ----- Arahy Plant Stunting % May-31-22 33 DA-A (Data Column 9)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	5068.750000				
Replicate	2	54.166667	27.083333	1.288	0.2957	
Treatment	11	4552.083333	413.825758	19.685	0.0001	
Error	22	462.500000	21.022727			
Randomized Complete Block (RCB) AOV For Amapa ----- Control % May-31-22 33 DA-A (Data Column 10)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	26611.888889				
Replicate	2	7.388889	3.694444	1.070	0.3601	
Treatment	11	26528.555556	2411.686869	698.631	0.0001	
Error	22	75.944444	3.452020			

LENGTH OF RESIDUAL CONTROL IN PEANUT WITH TRIFLUDIMOXAZIN (BAS-850-01H) Trial ID: PE-13-22 Study Dir.: ABBY NORMAL FULMER Location: PONDER FARM Investigator: Eric P. Prostko						
Randomized Complete Block (RCB) AOV For Rapra ----- Control % May-31-22 33 DA-A (Data Column 11)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	27206.222222				
Replicate	2	51.388889	25.694444	1.368	0.2755	
Treatment	11	26741.555556	2431.050505	129.412	0.0001	
Error	22	413.277778	18.785354			
Randomized Complete Block (RCB) AOV For ----- Arahy Plant Stunting % Jun-14-22 47 DA-A (Data Column 12)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	1605.555556				
Replicate	2	93.055556	46.527778	4.260	0.0273	
Treatment	11	1272.222222	115.656566	10.590	0.0001	
Error	22	240.277778	10.921717			
Randomized Complete Block (RCB) AOV For Amapa ----- Control % Jun-14-22 47 DA-A (Data Column 13)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	26891.000000				
Replicate	2	23.166667	11.583333	1.480	0.2494	
Treatment	11	26695.666667	2426.878788	310.114	0.0001	
Error	22	172.166667	7.825758			
Randomized Complete Block (RCB) AOV For Rapra ----- Control % Jun-14-22 47 DA-A (Data Column 14)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	40522.222222				
Replicate	2	84.722222	42.361111	0.875	0.4309	
Treatment	11	39372.222222	3579.292929	73.919	0.0001	
Error	22	1065.277778	48.421717			
Randomized Complete Block (RCB) AOV For Ipola ----- Control % Jun-14-22 47 DA-A (Data Column 15)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	33022.222222				
Replicate	2	938.888889	469.444444	1.793	0.1900	
Treatment	11	26322.222222	2392.929293	9.138	0.0001	
Error	22	5761.111111	261.868687			
Randomized Complete Block (RCB) AOV For ----- ARAHY YIELD DIRTY LBS/PLOT Sep-19-22 144 DA-A (Data Column 16)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	1153.030000				
Replicate	2	4.581667	2.290833	1.884	0.1757	
Treatment	11	1121.696667	101.972424	83.860	0.0001	
Error	22	26.751667	1.215985			
Randomized Complete Block (RCB) AOV For ----- ARAHY YIELD CLEAN LBS/PLOT Sep-19-22 144 DA-A (Data Column 17)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	1107.370012				
Replicate	2	4.400233	2.200116	1.884	0.1757	
Treatment	11	1077.277479	97.934316	83.860	0.0001	
Error	22	25.692301	1.167832			
Randomized Complete Block (RCB) AOV For ----- ARAHY YIELD YIELD LBS/A Sep-19-22 144 DA-A (Data Column 18)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	86065371.676741				
Replicate	2	341988.365060	170994.182530	1.884	0.1757	
Treatment	11	83726564.378401	7611505.852582	83.860	0.0001	
Error	22	1996818.933279	90764.496967			
Part Rated Plant = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf) Leaf = LEAF / FOLIAGE Rating Unit % = PERCENT ARM Action Codes T1 = [16]*0.98 TY2 = 278.784*[17]						

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LENGTH OF RESIDUAL CONTROL IN PEANUT WITH TRIFLUDIMOXAZIN (BAS-850-01H)														
Trial ID: PE-13-22				Study Dir.: ABBY NORMAL FULMER										
Location: PONDER FARM				Investigator: Eric P. Prostko										
Weed Code							-----	-----	Agrass	Amapa	-----	-----		
Crop Code							Arahy	Arahy	-----	-----	Arahy	Arahy		
Part Rated											Plant, -	Leaf, -		
Rating Data Type							Stunting	Necrosis	Control	Control	Stunting	Necrosis		
Rating Unit							%	%	%	%	%	%		
Rating Date							May-9-22	May-9-22	May-9-22	May-9-22	May-16-22	May-16-22		
Trt-Eval Interval							11 DA-A	11 DA-A	11 DA-A	11 DA-A	18 DA-A	18 DA-A		
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3	4	5	6
1	NTC						101		0.0	0.0	0.0	0.0	0.0	0.0
							206		0.0	0.0	0.0	0.0	0.0	0.0
							309		0.0	0.0	0.0	0.0	0.0	0.0
							Mean =		0.0	0.0	0.0	0.0	0.0	0.0
2	TRIFLUDIMOXAZIN	4.17	SC	0.68 oz/a	PRE	A	102		0.0	0.0	85.0	99.0	10.0	0.0
							205		0.0	0.0	99.0	99.0	10.0	0.0
							306		0.0	0.0	99.0	99.0	5.0	0.0
							Mean =		0.0	0.0	94.3	99.0	8.3	0.0
3	TRIFLUDIMOXAZIN	4.17	SC	1.0 oz/a	PRE	A	103		0.0	0.0	95.0	99.0	10.0	0.0
							208		0.0	0.0	99.0	99.0	0.0	0.0
							311		0.0	0.0	99.0	99.0	5.0	0.0
							Mean =		0.0	0.0	97.7	99.0	5.0	0.0
4	TRIFLUDIMOXAZIN	4.17	SC	2.0 oz/a	PRE	A	104		10.0	5.0	99.0	99.0	20.0	15.0
							212		5.0	0.0	99.0	99.0	20.0	20.0
							310		10.0	0.0	99.0	99.0	15.0	10.0
							Mean =		8.3	1.7	99.0	99.0	18.3	15.0
5	VALOR EZ	4	SC	3.0 oz/a	PRE	A	105		15.0	5.0	99.0	99.0	10.0	10.0
							211		20.0	5.0	99.0	99.0	20.0	15.0
							304		10.0	0.0	99.0	99.0	20.0	10.0
							Mean =		15.0	3.3	99.0	99.0	16.7	11.7
6	VALOR EZ	4	SC	6.0 oz/a	PRE	A	106		30.0	10.0	99.0	99.0	40.0	20.0
							207		30.0	10.0	99.0	99.0	40.0	25.0
							302		20.0	0.0	99.0	99.0	35.0	20.0
							Mean =		26.7	6.7	99.0	99.0	38.3	21.7
7	TRIFLUDIMOXAZIN	4.17	SC	0.68 oz/a	PRE	A	107		0.0	0.0	85.0	99.0	5.0	0.0
	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	204		0.0	0.0	99.0	99.0	10.0	0.0
							312		5.0	0.0	99.0	99.0	5.0	0.0
							Mean =		1.7	0.0	94.3	99.0	6.7	0.0
8	TRIFLUDIMOXAZIN	4.17	SC	1.0 oz/a	PRE	A	108		5.0	5.0	95.0	99.0	10.0	0.0
	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	210		10.0	0.0	99.0	99.0	15.0	5.0
							301		5.0	0.0	99.0	99.0	5.0	0.0
							Mean =		6.7	1.7	97.7	99.0	10.0	1.7
9	TRIFLUDIMOXAZIN	4.17	SC	2.0 oz/a	PRE	A	109		10.0	5.0	99.0	99.0	25.0	20.0
	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	203		5.0	0.0	99.0	99.0	10.0	0.0
							305		10.0	0.0	99.0	99.0	15.0	10.0
							Mean =		8.3	1.7	99.0	99.0	16.7	10.0
10	VALOR EZ	4	SC	3.0 oz/a	PRE	A	110		20.0	10.0	99.0	99.0	20.0	10.0
	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	201		10.0	5.0	99.0	99.0	25.0	10.0
							307		20.0	5.0	99.0	99.0	25.0	15.0
							Mean =		16.7	6.7	99.0	99.0	23.3	11.7
11	VALOR EZ	4	SC	6.0 oz/a	PRE	A	111		30.0	10.0	99.0	99.0	40.0	25.0
	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	202		20.0	10.0	99.0	99.0	40.0	25.0
							308		30.0	5.0	99.0	99.0	40.0	20.0
							Mean =		26.7	8.3	99.0	99.0	40.0	23.3
12	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	112		0.0	0.0	99.0	99.0	0.0	0.0
							209		5.0	0.0	99.0	99.0	0.0	0.0
							303		0.0	0.0	99.0	99.0	5.0	0.0
							Mean =		1.7	0.0	99.0	99.0	1.7	0.0

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LENGTH OF RESIDUAL CONTROL IN PEANUT WITH TRIFLUDIMOXAZIN (BAS-850-01H) Trial ID: PE-13-22 Study Dir.: ABBY NORMAL FULMER Location: PONDER FARM Investigator: Eric P. Prostko										
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Trt-Eval Interval					Agrass ----- Control % May-16-22 18 DA-A	Amapa ----- Control % May-16-22 18 DA-A	----- Arahy Plant. - Stunting % May-31-22 33 DA-A	Amapa ----- Control % May-31-22 33 DA-A	Rapra ----- Control % May-31-22 33 DA-A	
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	7	8
1	NTC									
							101		0.0	0.0
							206		0.0	0.0
							309		0.0	0.0
							Mean =		0.0	0.0
2	TRIFLUDIMOXAZIN	4.17	SC	0.68	oz/a	PRE	A	102	60.0	99.0
							205		50.0	99.0
							306		60.0	95.0
							Mean =		56.7	97.7
3	TRIFLUDIMOXAZIN	4.17	SC	1.0	oz/a	PRE	A	103	85.0	99.0
							208		65.0	99.0
							311		90.0	95.0
							Mean =		80.0	97.7
4	TRIFLUDIMOXAZIN	4.17	SC	2.0	oz/a	PRE	A	104	90.0	99.0
							212		90.0	99.0
							310		99.0	99.0
							Mean =		93.0	99.0
5	VALOR EZ	4	SC	3.0	oz/a	PRE	A	105	90.0	99.0
							211		99.0	99.0
							304		99.0	99.0
							Mean =		96.0	99.0
6	VALOR EZ	4	SC	6.0	oz/a	PRE	A	106	99.0	99.0
							207		95.0	99.0
							302		95.0	99.0
							Mean =		96.3	99.0
7	TRIFLUDIMOXAZIN	4.17	SC	0.68	oz/a	PRE	A	107	85.0	99.0
	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	204	99.0	99.0
							312		99.0	99.0
							Mean =		94.3	99.0
8	TRIFLUDIMOXAZIN	4.17	SC	1.0	oz/a	PRE	A	108	95.0	99.0
	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	210	90.0	99.0
							301		99.0	99.0
							Mean =		94.7	99.0
9	TRIFLUDIMOXAZIN	4.17	SC	2.0	oz/a	PRE	A	109	99.0	99.0
	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	203	95.0	99.0
							305		99.0	99.0
							Mean =		97.7	99.0
10	VALOR EZ	4	SC	3.0	oz/a	PRE	A	110	99.0	99.0
	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	201	99.0	99.0
							307		99.0	99.0
							Mean =		99.0	99.0
11	VALOR EZ	4	SC	6.0	oz/a	PRE	A	111	99.0	99.0
	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	202	99.0	99.0
							308		99.0	99.0
							Mean =		99.0	99.0
12	PROWL H20	3.8	SC	32.0	oz/a	PRE	A	112	95.0	99.0
							209		99.0	99.0
							303		99.0	99.0
							Mean =		97.7	99.0

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LENGTH OF RESIDUAL CONTROL IN PEANUT WITH TRIFLUDIMOXAZIN (BAS-850-01H) Trial ID: PE-13-22 Study Dir.: ABBY NORMAL FULMER Location: PONDER FARM Investigator: Eric P. Prostko													
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Trt-Eval Interval							----- Arahy Plant, - Stunting % Jun-14-22 47 DA-A	Amapa ----- Control % Jun-14-22 47 DA-A	Rapra ----- Control % Jun-14-22 47 DA-A	Ipola ----- Control % Jun-14-22 47 DA-A	----- ARAHY YIELD, - DIRTY LBS/PLOT Sep-19-22 144 DA-A		
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	12	13	14	15	16
1	NTC						101	0.0	0.0	0.0	0.0	0.00	
							206	0.0	0.0	0.0	0.0	0.00	
							309	0.0	0.0	0.0	0.0	0.00	
							Mean =	0.0	0.0	0.0	0.0	0.00	
2	TRIFLUDIMOXAZIN	4.17	SC	0.68 oz/a	PRE	A	102	0.0	98.0	90.0	0.0	19.50	
							205	0.0	98.0	65.0	65.0	19.50	
							306	0.0	90.0	60.0	80.0	18.20	
							Mean =	0.0	95.3	71.7	48.3	19.07	
3	TRIFLUDIMOXAZIN	4.17	SC	1.0 oz/a	PRE	A	103	0.0	100.0	70.0	65.0	17.30	
							208	0.0	100.0	80.0	65.0	19.00	
							311	0.0	90.0	85.0	100.0	17.50	
							Mean =	0.0	96.7	78.3	76.7	17.93	
4	TRIFLUDIMOXAZIN	4.17	SC	2.0 oz/a	PRE	A	104	10.0	100.0	95.0	80.0	18.30	
							212	0.0	100.0	100.0	100.0	21.20	
							310	0.0	100.0	100.0	90.0	22.10	
							Mean =	3.3	100.0	98.3	90.0	20.53	
5	VALOR EZ	4	SC	3.0 oz/a	PRE	A	105	0.0	95.0	100.0	85.0	18.90	
							211	10.0	100.0	95.0	100.0	21.90	
							304	0.0	100.0	100.0	90.0	21.20	
							Mean =	3.3	98.3	98.3	91.7	20.67	
6	VALOR EZ	4	SC	6.0 oz/a	PRE	A	106	20.0	100.0	100.0	95.0	21.30	
							207	20.0	100.0	100.0	100.0	17.70	
							302	10.0	100.0	100.0	100.0	20.60	
							Mean =	16.7	100.0	100.0	98.3	19.87	
7	TRIFLUDIMOXAZIN	4.17	SC	0.68 oz/a	PRE	A	107	0.0	98.0	90.0	75.0	18.70	
	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	204	0.0	100.0	90.0	75.0	20.30	
							312	0.0	100.0	85.0	90.0	20.50	
							Mean =	0.0	99.3	88.3	80.0	19.83	
8	TRIFLUDIMOXAZIN	4.17	SC	1.0 oz/a	PRE	A	108	0.0	95.0	90.0	85.0	19.40	
	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	210	0.0	100.0	95.0	100.0	19.60	
							301	0.0	100.0	85.0	85.0	21.40	
							Mean =	0.0	98.3	90.0	90.0	20.13	
9	TRIFLUDIMOXAZIN	4.17	SC	2.0 oz/a	PRE	A	109	10.0	100.0	100.0	85.0	21.60	
	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	203	5.0	100.0	100.0	75.0	21.90	
							305	0.0	100.0	100.0	100.0	20.80	
							Mean =	5.0	100.0	100.0	86.7	21.43	
10	VALOR EZ	4	SC	3.0 oz/a	PRE	A	110	5.0	100.0	100.0	90.0	19.80	
	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	201	0.0	100.0	85.0	100.0	21.10	
							307	0.0	100.0	100.0	100.0	19.50	
							Mean =	1.7	100.0	95.0	96.7	20.13	
11	VALOR EZ	4	SC	6.0 oz/a	PRE	A	111	20.0	100.0	100.0	100.0	19.90	
	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	202	20.0	100.0	100.0	100.0	21.80	
							308	10.0	100.0	100.0	100.0	20.80	
							Mean =	16.7	100.0	100.0	100.0	20.83	
12	PROWL H20	3.8	SC	32.0 oz/a	PRE	A	112	0.0	95.0	20.0	100.0	17.90	
							209	0.0	90.0	0.0	50.0	18.30	
							303	0.0	85.0	20.0	75.0	18.30	
							Mean =	0.0	90.0	13.3	75.0	18.17	

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LENGTH OF RESIDUAL CONTROL IN PEANUT WITH TRIFLUDIMOXAZIN (BAS-850-01H)									
Trial ID: PE-13-22		Study Dir.: ABBY NORMAL FULMER							
Location: PONDER FARM		Investigator: Eric P. Prostko							
Weed Code					-----		-----		
Crop Code					ARAHY		ARAHY		
Part Rated					YIELD, -		YIELD, -		
Rating Data Type					CLEAN		YIELD		
Rating Unit					LBS/PLOT		LBS/A		
Rating Date					Sep-19-22		Sep-19-22		
Trt-Eval Interval					144 DA-A		144 DA-A		
Trt Treatment	Form Form	Rate Grow	Appl						
No. Name	Conc Type	Rate Unit	Stg Code Plot			17			18
1	NTC			101		0.0			0.0
				206		0.0			0.0
				309		0.0			0.0
				Mean =		0.0			0.0
2	TRIFLUDIMOXAZIN	4.17 SC	0.68 oz/a	PRE A	102	19.1		5327.6	
					205	19.1		5327.6	
					306	17.8		4972.4	
				Mean =		18.7		5209.2	
3	TRIFLUDIMOXAZIN	4.17 SC	1.0 oz/a	PRE A	103	17.0		4726.5	
					208	18.6		5191.0	
					311	17.2		4781.1	
				Mean =		17.6		4899.5	
4	TRIFLUDIMOXAZIN	4.17 SC	2.0 oz/a	PRE A	104	17.9		4999.7	
					212	20.8		5792.0	
					310	21.7		6037.9	
				Mean =		20.1		5609.9	
5	VALOR EZ	4 SC	3.0 oz/a	PRE A	105	18.5		5163.6	
					211	21.5		5983.3	
					304	20.8		5792.0	
				Mean =		20.3		5646.3	
6	VALOR EZ	4 SC	6.0 oz/a	PRE A	106	20.9		5819.3	
					207	17.3		4835.8	
					302	20.2		5628.1	
				Mean =		19.5		5427.7	
7	TRIFLUDIMOXAZIN	4.17 SC	0.68 oz/a	PRE A	107	18.3		5109.0	
	PROWL H20	3.8 SC	32.0 oz/a	PRE A	204	19.9		5546.1	
					312	20.1		5600.8	
				Mean =		19.4		5418.6	
8	TRIFLUDIMOXAZIN	4.17 SC	1.0 oz/a	PRE A	108	19.0		5300.2	
	PROWL H20	3.8 SC	32.0 oz/a	PRE A	210	19.2		5354.9	
					301	21.0		5846.7	
				Mean =		19.7		5500.6	
9	TRIFLUDIMOXAZIN	4.17 SC	2.0 oz/a	PRE A	109	21.2		5901.3	
	PROWL H20	3.8 SC	32.0 oz/a	PRE A	203	21.5		5983.3	
					305	20.4		5682.7	
				Mean =		21.0		5855.8	
10	VALOR EZ	4 SC	3.0 oz/a	PRE A	110	19.4		5409.5	
	PROWL H20	3.8 SC	32.0 oz/a	PRE A	201	20.7		5764.7	
					307	19.1		5327.6	
				Mean =		19.7		5500.6	
11	VALOR EZ	4 SC	6.0 oz/a	PRE A	111	19.5		5436.8	
	PROWL H20	3.8 SC	32.0 oz/a	PRE A	202	21.4		5955.9	
					308	20.4		5682.7	
				Mean =		20.4		5691.8	
12	PROWL H20	3.8 SC	32.0 oz/a	PRE A	112	17.5		4890.4	
					209	17.9		4999.7	
					303	17.9		4999.7	
				Mean =		17.8		4963.3	

University of Georgia

LENGTH OF RESIDUAL CONTROL IN PEANUT

WITH TRIFLUDIMOXAZIN (BAS-850-01H)

Trial ID: PE-13-22 Study Dir.: ABBY NORMAL FULMER

Location: PONDER FARM Investigator: Eric P. Prostko

Part Rated

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

Leaf = LEAF / FOLIAGE

Rating Unit

% = PERCENT

ARM Action Codes

T1 = [16]*0.98

TY2 = 278.784*[17]