

University of Georgia

TIFNV-HG RESPONSE TO CLASSIC

Trial ID: PE-15-25 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 4 Plots: 6 by 25 feet
Mix Size: 1.5 L

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	Appl Code	Appl. Amount	Amt Product to Measure	Diluent	Rep 1	2	3	4
1	NTC									-	101	201	301	401
2	CLASSIC INDUCE	25 DG		0.5 oz/a 0.25 % v/v	69 DAP A 69 DAP A		15 GPA 15 GPA		0.3745 g/mx 3.75 mL/mx	1495.9 mL	102	202	302	402
3	CLASSIC INDUCE	25 DG		0.5 oz/a 0.25 % v/v	79 DAP B 79 DAP B		15 GAL/AC 15 GAL/AC		0.3745 g/mx 3.75 mL/mx	1495.9 mL	103	203	303	403

Sort Order: Treatment

Trial Comments

WEED-FREE

MISSING DATA IN PLOT 103 DUE TO SPRAYER PROBLEM AT APPLICATION.

DIGGING DATE: 09/29/25 (139 DAYS)
HARVEST DATE: 10/03/25
HARVEST MOISTURE:22.4%
YIELDS ADJUSTED TO 10%
2% YIELD DEDUCTION FOR FM

SUMMARY:

- 1) TSWV WAS INCREASED (+12%) WHEN CLASSIC WAS APPLIED AT 69 DAP BUT NOT WHEN APPLIED AT 79 DAP.
- 2) CLASSIC HAD NO EFFECT ON PEANUT PLANT HEIGHT (P=0.3668).
- 3) CLASSIC HAD NO EFFECT ON PEANUT YIELD (P=0.3197).

Study Director: ZACH TAYLOR

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: _____

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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.			

Crop 1: ARAHY

PEANUT

Variety: TIFNV-HG

Planting Date: May-14-25

Planting Method: MONOSEM

Perennial Age:

Rate: 3.5

S/ROW-FT

Depth: 2

IN

Seed Bed:

Row Spacing:

Spacing Within Row:

Soil Temperature:

Soil Moisture:

Emergence Date:

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

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.	SUNFLOWERS		2024

MAINTENANCE

Field Prep./Maintenance: THIMET 20G @ 7.5 LBS/A INFR
36"-9" TWIN ROWS
750 LBS/A 5-15-30 - PREPLANT
RANCONA SEED TRT

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

% Sand: 94 % OM: 0.78 Texture: SAND
% Silt: 4 pH: 6.0 Soil Name: TIFTON
% Clay: 2 CEC: 3.3 Fert. Level: GOOD

ADDITIONAL MEASURED ELEMENTS		
Element	Quantity	Unit

MOISTURE CONDITIONS							
	Date	Time	Amount	Unit	Type	Interval	Unit
1.				IN			
2.				IN			
3.				IN			
4.				IN			
5.				IN			
6.				IN			
7.				IN			
8.				IN			
9.				IN			
10.				IN			

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	Date	Time	Amount	Unit	Type	Interval	Unit
11.				IN			
12.				IN			
13.				IN			
14.				IN			
15.				IN			
16.				IN			

Overall Moisture Conditions:

Closest Weather Station:

Distance:

Unit:

APPLICATION DESCRIPTION

	A	B
Application Date:	Jul-22-25	Aug-1-25
Time of Day:	6:25 AM	6:30 AM
Application Method:	BROADCAST	BROADCAST
Application Timing:	69 DAP	79 DAP
Applic. Placement:	FOLIAGE	FOLIAGE
Air Temp., Unit:	77 F	77 F
% Relative Humidity:	94	99
Wind Velocity, Unit:	0 MPH	0 MPH
Dew Presence (Y/N):	Y	Y
Water Hardness:	--	--
Soil Temp., Unit:	86 F	81 F
Soil Moisture:	DRY	OPTIMUM
% Cloud Cover:	95	0

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ARAHY,	ARAHY,
Stage Scale:	R5	R6
Height, Unit:	15, IN	21, IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:		
Stage Scale:		
Density, Unit:		

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APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	BACKPACK	SAME AS A
Operating Pressure:	38	
Nozzle Type:	AIXR	
Nozzle Size:	11002	
Nozzle Spacing, Unit:	20 IN	
Nozzles/Row:		
Band Width, Unit:		
Boom Length, Unit:	20 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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Trial ID: PE-15-25				Study Dir.:										
Location: PONDER FARM				Investigator: Eric P. Prostko										
Crop Code					ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY			
Rating Data Type					TSWV	HGT1	HGT2	HGT3	HGT4	HGT5	HGT-AVG			
Rating Unit					%	IN	IN	IN	IN	IN	IN			
Rating Date					Sep-2-25	Sep-2-25	Sep-2-25	Sep-2-25	Sep-2-25	Sep-2-25	Sep-2-25			
Trt	Treatment	Form	Form	Rate	Grow	1	2	3	4	5	6	7	8	
No.	Name	Conc	Type	Rate	Unit	Stg								
1	NTC						6.5 b	19.50 -	19.50 -	20.00 -	20.63 -	19.38 -	19.8 -	26.05 -
2	CLASSIC INDUCE	25 DG		0.5 oz/a	69 DAP		18.5 a	20.13 -	18.75 -	19.38 -	18.75 -	19.00 -	19.2 -	26.50 -
				0.25 % v/v	69 DAP									
3	CLASSIC INDUCE	25 DG		0.5 oz/a	79 DAP		7.3 b	17.50 -	20.00 -	19.17 -	19.83 -	18.83 -	19.1 -	28.93 -
				0.25 % v/v	79 DAP									
LSD P=.10					5.11	2.478	1.783	1.443	1.637	1.895	1.00	3.677		
Standard Deviation					3.58	1.739	1.252	1.012	1.149	1.330	0.70	2.581		
CV					33.25	9.13	6.45	5.19	5.82	6.98	3.63	9.5		
Grand Mean					10.78	19.042	19.417	19.514	19.736	19.069	19.36	27.161		
Bartlett's X2^					0.229	2.319	0.711	0.181	0.685	0.765	0.276	0.121		
P(Bartlett's X2)					0.892	0.314	0.701	0.913	0.71	0.682	0.871	0.941		
Rank X2					.	.	.	.	.	.	.	.		
P(Rank X2)					.	.	.	.	.	.	.	.		
Skewness^					0.2711	0.5445	0.5696	-0.2751	0.4818	-0.1039	-0.0855	0.1416		
P(Skewness)^					0.7246	0.4833	0.4639	0.7207	0.5339	0.8923	0.9112	0.8536		
Kurtosis^					-0.6006	0.055	-0.2416	-1.7327	-0.4471	-0.2464	-0.9358	-0.7983		
P(Kurtosis)^					0.6872	0.9704	0.8708	0.2592	0.7639	0.8683	0.5328	0.5936		
Replicate F					2.295	0.778	1.472	3.001	3.918	1.132	4.322	0.149		
Replicate Prob(F)					0.1952	0.5545	0.3286	0.1338	0.0879	0.4203	0.0745	0.9262		
Treatment F					13.982	2.486	1.011	0.734	2.686	0.174	1.234	1.445		
Treatment Prob(F)					0.0090	0.1780	0.4279	0.5254	0.1614	0.8452	0.3668	0.3197		

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.

Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10

^Calculated from residual.

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Crop Code						ARAHY	ARAHY
Rating Data Type						YLD-CLEAN	YIELD
Rating Unit						LBS/PLOT	LBS/A
Rating Date						Oct-3-25	Oct-3-25
Trt	Treatment	Form	Form	Rate	Grow		
No.	Name	Conc	Type	Rate	Unit	Stg	
1	NTC						
						25.5 -	6392 -
2	CLASSIC	25 DG		0.5 oz/a	69 DAP	26.0 -	6503 -
	INDUCE			0.25 % v/v	69 DAP		
3	CLASSIC	25 DG		0.5 oz/a	79 DAP	28.4 -	7100 -
	INDUCE			0.25 % v/v	79 DAP		
LSD P=.10						3.60	902.4
Standard Deviation						2.53	633.3
CV						9.5	9.5
Grand Mean						26.62	6664.8
Bartlett's X2^						0.121	0.121
P(Bartlett's X2)						0.941	0.941
Rank X2						.	.
P(Rank X2)						.	.
Skewness^						0.1416	0.1416
P(Skewness)^						0.8536	0.8536
Kurtosis^						-0.7983	-0.7983
P(Kurtosis)^						0.5936	0.5936
Replicate F						0.149	0.149
Replicate Prob(F)						0.9262	0.9262
Treatment F						1.445	1.445
Treatment Prob(F)						0.3197	0.3197

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

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Location: PONDER FARM	Investigator: Eric P. Prostko
Rating Unit % = PERCENT IN = INCH ARM Action Codes T1 = ([2]+[3]+[4]+[5]+[6])/5 T2 = [8]*0.98 TY3 = 250.38933333*[9]	

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Trial ID: PE-15-25				Study Dir.: Location: PONDER FARM									
				Investigator: Eric P. Prostko									
Crop Code Rating Data Type Rating Unit Rating Date							ARAHY TSWV % Sep-2-25	ARAHY HGT1 IN Sep-2-25	ARAHY HGT2 IN Sep-2-25	ARAHY HGT3 IN Sep-2-25	ARAHY HGT4 IN Sep-2-25	ARAHY HGT5 IN Sep-2-25	ARAHY HGT-AVG IN Sep-2-25
Trt	Treatment	Form	Form	Rate	Grow	Plot							
No.	Name	Conc	Type	Rate	Unit	Stg	1	2	3	4	5	6	7
1	NTC					101	4.0	18.00	17.00	19.50	19.00	18.00	18.3
						201	6.0	21.00	20.50	18.50	19.50	19.50	19.8
						301	10.0	19.50	20.00	22.00	24.00	21.00	21.3
						401	6.0	19.50	20.50	20.00	20.00	19.00	19.8
						Mean =	6.5	19.50	19.50	20.00	20.63	19.38	19.8
2	CLASSIC INDUCE	25 DG		0.5 oz/a 0.25 % v/v	69 DAP	102	10.0	18.50	18.50	20.50	19.50	18.00	19.0
						202	18.0	20.50	17.50	18.00	18.00	18.50	18.5
						302	26.0	20.50	19.50	21.00	20.00	18.50	19.9
						402	20.0	21.00	19.50	18.00	17.50	21.00	19.4
						Mean =	18.5	20.13	18.75	19.38	18.75	19.00	19.2
3	CLASSIC INDUCE	25 DG		0.5 oz/a 0.25 % v/v	79 DAP	103	.	.	.	.	.	.	.
						203	6.0	15.50	18.50	19.00	19.50	17.50	18.0
						303	8.0	20.50	21.00	19.50	21.00	20.50	20.5
						403	8.0	16.50	20.50	19.00	19.00	18.50	18.7
						Mean =	7.3	17.50	20.00	19.17	19.83	18.83	19.1

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Location: PONDER FARM		Investigator: Eric P. Prostko							
Crop Code						ARAHY	ARAHY	ARAHY	
Rating Data Type						YLD-DIRTY	YLD-CLEAN	YIELD	
Rating Unit						LBS/PLOT	LBS/PLOT	LBS/A	
Rating Date						Oct-3-25	Oct-3-25	Oct-3-25	
Trt	Treatment	Form	Form	Rate	Grow				
No.	Name	Conc	Type	Rate	Unit	Stg	Plot		
1	NTC						8	9	10
						101	22.50	22.1	5521
						201	27.90	27.3	6846
						301	26.80	26.3	6576
						401	27.00	26.5	6625
						Mean =	26.05	25.5	6392
2	CLASSIC	25 DG		0.5 oz/a	69 DAP	102	28.90	28.3	7092
	INDUCE			0.25 % v/v	69 DAP	202	25.40	24.9	6233
						302	25.60	25.1	6282
						402	26.10	25.6	6404
						Mean =	26.50	26.0	6503
3	CLASSIC	25 DG		0.5 oz/a	79 DAP	103	.	.	.
	INDUCE			0.25 % v/v	79 DAP	203	27.90	27.3	6846
						303	31.60	31.0	7754
						403	27.30	26.8	6699
						Mean =	28.93	28.4	7100

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