

University of Georgia

GA-12Y RESPONSE TO CLASSIC - YEAR 3

Trial ID: PE-05-24

Study Dir.: NICK SHAY

Location: PONDER FARM

Investigator: Eric P. Prostko

Reps: 4Plots: 6 by 25 feet

Appl. Amount: 15 GAL/ACMix Size: 1.5 L (total for 4 plots; minimum=0.782 L)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Appl Code	Amt Product to Measure	Diluent	Rep 1	2	3	4
1	NTC								-	101	204	303	404
2	CLASSIC INDUCE	25 DG		0.5 oz/a	67 DAP A			0.3745 g/mx 3.75 mL/mx	1495.9 mL	102	203	301	403
3	CLASSIC INDUCE	25 DG		0.5 oz/a	76 DAP B			0.3745 g/mx 3.75 mL/mx	1495.9 mL	103	202	304	402
4	CLASSIC INDUCE	25 DG		0.5 oz/a	89 DAP C			0.3745 g/mx 3.75 mL/mx	1495.9 mL	104	201	302	401

Sort Order: Treatment

Trial Comments

MAINTAINED-WEED-FREE

PROWL H20 @ 32 OZ/A + STRONGARM @ 0.45 Z/A + DUAL MAGNUM @ 16 OZ/A - PRE
CADRE @ 4 OZ/A + DUL MAGNUM @ 16 OZ/A + COBRA @ 12.5 OZ/A - 06/04/24
SELECT MAX @ 24 OZ/A + DUAL MAGNUM @ 16 OZ/A - 06/26/24

DIGGING DATE: 10/01/24 (160 DAYS)
HARVEST DATE: 10/04/24
HARVEST MOISTURE: 24.5%
YIELDS ADJUSTED TO 10%
2% YIELD DEDUCTION FOR FM

SUMMARY:

1) CLASSIC AT ALL TIMINGS CAUSED SIGNIFICANT PEANUT HEIGHT REDUCTIONS (10-19%).
2) CLASSIC HAD NO EFFECT ON TSWV (P=0.1206) OR YIELD (P=0.1598).

General Trial Information

Study Director: NICK SHAY

Title: _____

Investigator: Eric P. Prostko

Title: _____

Discipline: _____

Status: E established

ARM Trial Created On: Feb-1-24

Meets All Objectives: _____

Reliability: _____

Initiation Date: _____

Planned Completion Date: _____

Interim Data Due: _____

Completion Date: _____

Last Possible Tour Visit: _____

Trial Location

City: _____

Country: _____

State/Prov.: _____

County: _____

Postal Code: _____

Climate Zone: _____

Latitude of LL Corner °: _____

Longitude of LL Corner °: _____

GPS Accuracy of LL Corner: _____

Altitude of LL Corner: _____

Angle y-axis to North °: _____

Directions: _____

Keywords: _____

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Study Dir.: NICK SHAY

Location: PONDER FARM

Investigator: Eric P. Prostko

Regulations

Test Facility:

GEP Accreditation Number:

GEP Accreditation Link:

Certificate Expiration:

Conducted Under GLP: No

Official Trial ID:

Conducted Under GEP: No

Official Protocol ID:

No.	Destroyed?	Crop No.	Crop Code	Crop Stage	Part Destroyed	Explanation	Method	Destruction Date	Verified By
1.									

No.	Guideline	Discipline	Description
1.			

No.	Permit Number	Permit Description
1.		

Objectives:

Materials and Methods

Results:

Conclusions:

Contacts

Role: STYDIR

study director

Study Director:

Organization:

Address 1:

Address 2:

Country:

City:

Role: INVEST

investigator

Investigator:

Organization:

Address 1:

Address 2:

Country:

City:

Role: SPONSR

sponsor

Sponsor:

Organization:

Address 1:

Address 2:

Country:

City:

Role: COOPER

cooperator

Cooperator:

Organization:

Address 1:

Address 2:

Country:

City:

Role:

Contact Name 5:

Organization:

Address 1:

Address 2:

Country:

City:

Title:

Org. Type:

Phone No.:

E-mail:

State/Prov:

Title:

Org. Type:

Phone No.:

E-mail:

State/Prov:

Title:

Org. Type:

Phone No.:

E-mail:

State/Prov:

Title:

Org. Type:

Phone No.:

E-mail:

State/Prov:

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Trial ID: PE-05-24	Study Dir.: NICK SHAY
Location: PONDER FARM	Investigator: Eric P. Prostko
Field Prep./Maintenance: 400 LBS/A 5-15-30 - PREPLANT 7 LBS/A TIMET 20G INFR RANCONCA SEED TRT 36"-9" TWIN ROWS	

Soil Description

Description Name: _____

% Sand: 92	% OM: 0.7	Texture: SAND
% Silt: 4	% Carbon: _____	Soil Name: FUQUAY
% Clay: 4	% Lime: _____	Fert. Level: G good
	pH: 6.9	CEC: 2.5

Soil Drainage: _

Comment: _____

Additional Measured Elements

Date	Element	Quantity	Unit	Depth	Unit	Comment

Weather Conditions														
Overall Moisture Conditions: _____														
Weather Station Name: _____						Code: _____		Irrigation Type: _____						
								Distance: _____						
No.	Date	Time	Moisture Total	Unit	Min Temp	Max Temp	Avg Temp	Temp Unit	Min % Relative Humidity	Max % Relative Humidity	Avg % Relative Humidity	Min Wind	Max Wind	Avg Wind
1.														
Comment: <u>RAINFALL/IRRIGATION:</u> APRIL 26: 0.3" IRRIGATION APRIL 28: 0.2" IRRIGATION MAY 2: 0.5" IRRIGATION MAY 4: 0.9" RAINFALL MAY 9: 0.75" RAINFALL MAY 13: 1.1" RAINFALL MAY 17: 0.96" RAINFALL MAY 18: 1.35" RAINFALL MAY 19: 0.69" RAINFALL MAY 25: 0.44" RAINFALL MAY 27: 0.62" RAINFALL JUNE 4: 0.5" IRRIGATION JUNE 11: 0.45" IRRIGATION JUNE 27: 0.9" RAINFALL JUNE 29: 0.5" RAINFALL JULY 2: 0.5" RAINFALL														

[illegible]

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Trial ID: PE-05-24 Study Dir.: NICK SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

Application Description			
	A	B	C
Date	Jul-1-24	Jul-10-24	Jul-23-24
Start Time			
Stop Time	6:31 AM	6:50 AM	6:50 AM
Standard			
Method	BROADCAST	BROADCAST	BROADCAST
Timing	POST	POST	POST
Placement	66 DAP	76 DAP	89
Mixed/Prepared By	EP	EP	EP
Applied By	NS	NS	NS
Entry Date	Oct-7-24	Oct-7-24	Oct-7-24
Air Temperature Start, Stop	, 77 F	, 78 F	, 77 F
% Relative Humidity Start, Stop	, 100	89,	93,
Wind Velocity+Dir. Start	1 MPH,	4 MPH,	0 MPH,
Wind Velocity+Dir. Stop			
Wind Velocity+Dir. Max			
Wet Leaves (Y/N)	Y, yes	Y, yes	Y, yes
Soil Temperature	81 F	82 F	81 F
Soil Temperature Depth			
Soil Moisture	OPTIMUM	OPTIMUM	OPTIMUM
Soil Surface Condition			
% Ground Cover			
% Cloud Cover			
First Moisture Occurred On			
Time to First Moisture			
Amount of First Moisture			
Moisture 1 Week Before Appl.			
Moisture 6 Hours After Appl.			
Moisture 24 Hours After Appl.			
Moisture 1 Week After Appl.			
Problems with Application?			

Comment:

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Crop Stage At Each Application			
	A	B	C
Crop 1 Code, BBCH Scale			
Days after Emergence			
Stage Majority, Percent	R3,	R5,	R6,
Stage Minimum, Percent			
Stage Maximum, Percent			
Diameter Average			
Diameter Minimum, Maximum			
Height Average	7 IN	14 IN	17 IN
Height Minimum, Maximum			
Density Average			
Density Minimum, Maximum			
Coverage			

Pest Stage At Each Application			
	A	B	C
Pest 1 Code, Type, Scale			
Establishment Interval			
Stage Majority, Percent			
Stage Minimum, Percent			
Stage Maximum, Percent			
Diameter Average			
Diameter Minimum, Maximum			
Height Average			
Height Minimum, Maximum			
Relative Density			
Density Average			
Density Minimum, Maximum			
Coverage			
Crop Part Attacked, Code			

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Location: PONDER FARM Investigator: Eric P. Prostko

Application Equipment

	A	B	C
Equipment Name		SAME AS A	SAME AS A
Equipment Type	BACCAI		
Operation Pressure	35 PSI		
Nozzle Model	TEEJET		
Nozzle Type	AIXR		
Nozzle TradeName			
Nozzle Tip Size, Color	11002,		
Nozzle Spacing	20.0 IN		
Nozzles/Row			
Nozzle Count			
Band Width			
Spray Swath			
% Coverage			
Boom ID			
Boom Length	60.0 IN		
Boom Height	20.0 IN		
Ground Speed	3.5 MPH		
Carrier	WATER		
Water Hardness (ppm CaCO3)			
Application Amount	15 GAL/AC		
Mix Overage			
Mix Size	1.5 L		
Spray pH			
Propellant	COMCO2		
Tank Mix (Y/N)			

Equipment Comment:

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Equipment

	1.
Equipment Name	
Platform Type	
Platform Trade Name	
Platform Model	
Sensor Type	
Sensor Trade Name	
Sensor Model	
Resolution	
Sensor Height	
Sensor Speed	
Original Data Location	
Analysis Company	
Analysis Method	
Software Version	
Scale Trade Name	
Scale Model	

Treatment Appl. Comments

Trt No	Treatment Application Comment

Notes

No.	Context	Date	Time	By	Notes
1.	STATUS	Aug-7-24	2:32 PM	Eric P. Prostko	Automatically added by ARM: Trial Status updated to 'E' when Rating Date was entered by (EGAPRE).
2.					

Deviations

No. 1: Date: _____ By: _____
Deviations:
Reasons:

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SE Definitions

	1.	
Rating Timing		
SE Name		
SE Description		
Part Rated		
Rating Type		
Rating Unit		
Rating Min/Max/Interval		
Sample Size		
Collection Basis		
Reporting Basis		
Number of Subsamples		
Untreated Rating Type		
ARM Action Codes		
Pest Type, Code		
Crop Type, Code		
Required		
No.	Task	Comment
1.		

Instructions:

Yield Required: _

Geographic Area/Environmental Considerations:

Cropping Considerations:

Data to Collect:

Statistical Analysis:

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Crop Code Rating Data Type Rating Unit Rating Date							Arahy Hgt1 In Aug-7-24	Arahy Hgt2 In Aug-7-24	Arahy Hgt3 In Aug-7-24	Arahy Hgt4 In Aug-7-24	Arahy Hgt5 In Aug-7-24	ARAHY HGT-AVG INCHES Aug-7-24	Arahy TSWV #/100ft Aug-14-24
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg Code	1	2	3	4	5	6	7
1	NTC						18.5 a	17.3 a	18.0 a	18.0 a	17.8 a	17.9 a	12.3 -
2	CLASSIC INDUCE	25 DG		0.5 oz/a 0.25 % v/v	67 DAP A		14.3 c	14.3 b	14.8 c	14.8 b	14.5 b	14.5 c	5.8 -
3	CLASSIC INDUCE	25 DG		0.5 oz/a 0.25 % v/v	76 DAP B		14.3 c	13.8 b	14.0 c	14.3 b	14.5 b	14.2 c	17.0 -
4	CLASSIC INDUCE	25 DG		0.5 oz/a 0.25 % v/v	89 DAP C		16.0 b	16.8 a	16.5 b	15.0 b	16.0 ab	16.1 b	17.0 -
LSD P=.10							0.86	1.33	1.23	1.14	1.76	0.82	8.64
Standard Deviation							0.67	1.03	0.95	0.88	1.36	0.63	6.67
CV							4.23	6.63	5.99	5.69	8.65	4.05	51.28
Grand Mean							15.75	15.50	15.81	15.50	15.69	15.65	13.00
Bartlett's X2^							2.188	0.622	1.037	0.137	2.37	1.734	1.107
P(Bartlett's X2)							0.534	0.891	0.792	0.987	0.499	0.629	0.775
Replicate F							1.875	0.474	1.372	2.786	0.034	1.624	2.546
Replicate Prob(F)							0.2042	0.7082	0.3126	0.1020	0.9910	0.2515	0.1213
Treatment F							36.375	11.684	14.395	14.786	5.196	29.155	2.554
Treatment Prob(F)							0.0001	0.0019	0.0009	0.0008	0.0235	0.0001	0.1206

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

^Calculated from residual.

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Trial ID: PE-05-24 Study Dir.: NICK SHAY
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Crop Code Rating Data Type Rating Unit Rating Date							ARAHY YIELD-D LBS/PLOT Oct-4-24	ARAHY YIELD-C LBS/PLOT Oct-4-24	ARAHY YIELD LBS/A Oct-4-24
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Code		
1	NTC							8	9
2	CLASSIC INDUCE	25 DG		0.5 oz/a 0.25 % v/v	67 DAP A 67 DAP A			21.60 -	21.2 -
3	CLASSIC INDUCE	25 DG		0.5 oz/a 0.25 % v/v	76 DAP B 76 DAP B			19.80 -	19.4 -
4	CLASSIC INDUCE	25 DG		0.5 oz/a 0.25 % v/v	89 DAP C 89 DAP C			19.88 -	19.5 -
								21.48 -	21.0 -
								5156.8 -	
								19.80 -	19.4 -
								4727.1 -	
								19.88 -	19.5 -
								4745.0 -	
								21.48 -	21.0 -
								5127.0 -	
								1.725	1.69
								1.331	1.30
								6.43	6.43
								6.43	6.43
								20.688	20.27
								4938.96	
								3.226	3.226
								3.226	3.226
								0.358	0.358
								0.358	0.358
								0.784	0.784
								0.784	0.784
								0.5323	0.5323
								0.5323	0.5323
								2.183	2.183
								2.183	2.183
								0.1598	0.1598
								0.1598	0.1598

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

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Trial ID: PE-05-24	Study Dir.: NICK SHAY
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ARM Action Codes	
T1 = ([1]+[2]+[3]+[4]+[5])/5	
T2 = [8]*0.98	
TY3 = 243.61333333*[9]	

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Location: PONDER FARM				Investigator: Eric P. Prostko											
Crop Code Rating Data Type Rating Unit Rating Date							Arahy Hgt1 In Aug-7-24	Arahy Hgt2 In Aug-7-24	Arahy Hgt3 In Aug-7-24	Arahy Hgt4 In Aug-7-24	Arahy Hgt5 In Aug-7-24	ARAHY HGT-AVG INCHES Aug-7-24	Arahy TSWV #/100ft Aug-14-24		
Trt	Treatment	Form	Form	Rate	Grow	Appl									
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3	4	5	6	7
1	NTC						101		17.0	18.0	16.0	16.0	17.0	16.8	21.0
							204		18.0	16.0	18.0	18.0	16.0	17.2	16.0
							303		20.0	17.0	19.0	19.0	20.0	19.0	6.0
							404		19.0	18.0	19.0	19.0	18.0	18.6	6.0
							Mean =		18.5	17.3	18.0	18.0	17.8	17.9	12.3
2	CLASSIC INDUCE	25 DG		0.5 oz/a 0.25 % v/v	67 DAP A 67 DAP A		102		14.0	13.0	14.0	15.0	15.0	14.2	15.0
							203		14.0	15.0	16.0	14.0	15.0	14.8	5.0
							301		15.0	14.0	15.0	15.0	14.0	14.6	2.0
							403		14.0	15.0	14.0	15.0	14.0	14.4	1.0
							Mean =		14.3	14.3	14.8	14.8	14.5	14.5	5.8
3	CLASSIC INDUCE	25 DG		0.5 oz/a 0.25 % v/v	76 DAP B 76 DAP B		103		14.0	12.0	13.0	13.0	13.0	13.0	14.0
							202		14.0	14.0	14.0	14.0	16.0	14.4	27.0
							304		14.0	15.0	14.0	16.0	14.0	14.6	16.0
							402		15.0	14.0	15.0	14.0	15.0	14.6	11.0
							Mean =		14.3	13.8	14.0	14.3	14.5	14.2	17.0
4	CLASSIC INDUCE	25 DG		0.5 oz/a 0.25 % v/v	89 DAP C 89 DAP C		104		16.0	17.0	17.0	15.0	17.0	16.4	11.0
							201		16.0	17.0	17.0	14.0	16.0	16.0	26.0
							302		16.0	17.0	16.0	15.0	15.0	15.8	25.0
							401		16.0	16.0	16.0	16.0	16.0	16.0	6.0
							Mean =		16.0	16.8	16.5	15.0	16.0	16.1	17.0

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Crop Code Rating Data Type Rating Unit Rating Date							ARAHY YIELD-D LBS/PLOT Oct-4-24	ARAHY YIELD-C LBS/PLOT Oct-4-24	ARAHY YIELD LBS/A Oct-4-24		
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	8	9	10
1	NTC						101		18.30	17.9	4369.0
							204		22.80	22.3	5443.3
							303		21.90	21.5	5228.4
							404		23.40	22.9	5586.5
							Mean =		21.60	21.2	5156.8
2	CLASSIC INDUCE	25 DG		0.5 oz/a 0.25 % v/v	67 DAP A		102		19.50	19.1	4655.5
					67 DAP A		203		19.70	19.3	4703.2
							301		20.50	20.1	4894.2
							403		19.50	19.1	4655.5
							Mean =		19.80	19.4	4727.1
3	CLASSIC INDUCE	25 DG		0.5 oz/a 0.25 % v/v	76 DAP B		103		20.20	19.8	4822.6
					76 DAP B		202		18.50	18.1	4416.7
							304		20.00	19.6	4774.8
							402		20.80	20.4	4965.8
							Mean =		19.88	19.5	4745.0
4	CLASSIC INDUCE	25 DG		0.5 oz/a 0.25 % v/v	89 DAP C		104		22.00	21.6	5252.3
					89 DAP C		201		21.00	20.6	5013.6
							302		21.00	20.6	5013.6
							401		21.90	21.5	5228.4
							Mean =		21.48	21.0	5127.0

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