

# University of Georgia

PEANUT RESPONSE TO CADRE + ULTRA BLAZER OR COBRA + 2,4-DB + DUAL MAGNUM TANK MIXTURES			
Trial ID:	PE-68-17	Study Dir.:	
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Reps: 3                      Plots: 6 by 20 feet  
 Spray vol: 15 GAL/AC                      Mix Size: 1.5 liters (.46927 liters calculated mix size)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Appl Code	Amt Product to Measure	Rep 1	Rep 2	Rep 3
1	NTC								101	204	303
2	CADRE	2 AS		4.0 oz/a		POST A		3.125 ml/mx	102	203	301
	DUAL MAGNUM	7.62 EC		21.0 oz/a		POST A		16.4 ml/mx			
	2,4-DB	1.75 SL		24.0 oz/a		POST A		18.75 ml/mx			
3	CADRE	2 AS		4.0 oz/a		POST A		3.125 ml/mx	103	202	304
	DUAL MAGNUM	7.62 EC		21.0 oz/a		POST A		16.4 ml/mx			
	2,4-DB	1.75 SL		24.0 oz/a		POST A		18.75 ml/mx			
	COBRA	2 EC		12.5 oz/a		POST A		9.765 ml/mx			
4	CADRE	2 AS		4.0 oz/a		POST A		3.125 ml/mx	104	201	302
	DUAL MAGNUM	7.62 EC		21.0 oz/a		POST A		16.4 ml/mx			
	2,4-DB	1.75 SL		24.0 oz/a		POST A		18.75 ml/mx			
	ULTRA BLAZER	2 SL		24.0 oz/a		POST A		18.75 ml/mx			

Sort Order: Treatment

Trial Comments
<p>PROWL H20 @ 32 OZ/A + STRONGARM @ 0.45 OZ/A - PRE (JUNE 28)</p> <p>MAINTAINED WEED-FREE</p> <p>DIGGING DATE: NOVEMBER 13, 2017            HARVEST DATE: NOVEMBER 16, 2107            HARVEST MOISTURE: 27.75%            YIELDS ADJUSTED TO 10%.</p> <p>YIELDS WERE EXTREMELY REDUCED DUE TO VERY LATE PLANTING DATE (JUNE 28).</p> <p><b><u>SUMMARY:</u></b></p> <p>1) COBRA OR BLAZER ADDED TO CADRE + DUAL MAGNUM + 2,4-DB INCREASED PEANUT INJURY.</p> <p>2) PEANUT YIELDS WERE NOT REDUCED BY ANY TREATMENT (P = 0.6737).</p>

# University of Georgia

PEANUT RESPONSE TO CADRE + ULTRA BLAZER OR COBRA + 2,4-DB +  
 DUAL MAGNUM TANK MIXTURES  
 Trial ID: PE-68-17 Study Dir.:  
 Location: PONDER FARM Investigator: Eric P. Prostko

**GENERAL TRIAL INFORMATION**

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

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

Trial Status: \_\_\_\_\_ 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. \_\_\_\_\_ 2. \_\_\_\_\_

Crop 1: ARAHY PEANUT Variety: GA-06G Planting Date: Jun-28-17  
 Planting Method: MONSOEM TWIN ROW Rate: 3.1 SEE/FT Depth: 1.75 IN  
 Perennial Age: \_\_\_\_\_ Row Spacing: \_\_\_\_\_ Seed Bed: \_\_\_\_\_  
 Soil Temperature: \_\_\_\_\_ Soil Moisture: OPT-WET Emergence Date: \_\_\_\_\_

Plot Width, Unit: 6 FT Plot Length, Unit: 20 FT Reps: 3  
 Site Type: \_\_\_\_\_  
 Tillage Type: CONVENTIONAL Study Design: RACOB  
 Trial Initiation Comments: THIMET INFR; DYNASTY PD SEED TRT; 36"-9" TWIN ROWS

Previous: Crops Pesticides Year  
 1. \_\_\_\_\_

**MAINTENANCE**

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

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

**SOIL DESCRIPTION**

Texture: SAND % OM: 0.67 % Sand: 89.9 % Silt: 8.0 % Clay: 2.1  
 pH: 6.36 CEC: 2.0 Soil Name: FUQUAY Fertility Level: GOOD

**MOISTURE CONDITIONS**

On: Date	Time	Amount	Unit	Type	Interval	Unit
1.						

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

**APPLICATION DESCRIPTION**

	A	B	C	D	E	F
Application Date:	Jul-28-17					
Time of Day:	8:00 AM					
Application Method:	BACKPACK					
Application Timing:	POST					
Applic. Placement:	FOLIAGE					
Air Temp., Unit:	77 F					
% Relative Humidity:	99					
Wind Velocity, Unit:	0 MPH					
Dew Presence (Y/N):	Y					
Water Hardness:	--					
Soil Temp., Unit:	81 F					
Soil Moisture:	OPTIMUM					
% Cloud Cover:	10					

**CROP STAGE AT EACH APPLICATION**

	A	B	C	D	E	F
Crop 1 Stage:	ARAHY					
Stage Scale:	R1 (6" W)					
Height, Unit:	5 IN					

# University of Georgia

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

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	_____	_____	_____	_____	_____	_____
Operating Pressure:	38	_____	_____	_____	_____	_____	_____
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
_____	_____



# University of Georgia

PEANUT RESPONSE TO CADRE + ULTRA BLAZER OR COBRA + 2,4-DB +  
 DUAL MAGNUM TANK MIXTURES  
 Trial ID: PE-68-17 Study Dir.:  
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code						-----	-----	-----	-----	-----		
Crop Code						ARAHY	ARAHY	ARAHY	ARAHY	ARAHY		
Part Rated						LEAF -	PLANT -	PLANT -	YIELD -	YIELD -		
Rating Data Type						BURN	STUNTING	STUNTING	LBS	YIELD		
Rating Unit						PERCENT	PERCENT	PERCENT	PLOT	LBS/A		
Rating Date						Jul-31-17	Aug-15-17	Oct-24-17	Nov-16-17	Nov-16-17		
Trt-Eval Interval						3 DA-A	18 DA-A	88 DA-A	111 DA-A	111 DA-A		
PRM Data Type										TY1		
# Subsamples, Dec.									- 2	- 1		
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	0.0	0.0	3.65	1063.6
						204		0.0	0.0	0.0	6.10	1777.6
						303		0.0	0.0	0.0	4.05	1180.2
						Mean =		0.0	0.0	0.0	4.60	1340.5
2 CADRE	2 AS		4.0 oz/a		POST A	102		10.0	10.0	10.0	4.60	1340.5
DUAL MAGNUM	7.62 EC		21.0 oz/a		POST A	203		10.0	10.0	5.0	4.25	1238.5
2,4-DB	1.75 SL		24.0 oz/a		POST A	301		10.0	20.0	20.0	2.75	801.4
						Mean =		10.0	13.3	11.7	3.87	1126.8
3 CADRE	2 AS		4.0 oz/a		POST A	103		20.0	10.0	20.0	3.65	1063.6
DUAL MAGNUM	7.62 EC		21.0 oz/a		POST A	202		20.0	15.0	20.0	3.55	1034.5
2,4-DB	1.75 SL		24.0 oz/a		POST A	304		20.0	5.0	5.0	5.10	1486.2
COBRA	2 EC		12.5 oz/a		POST A							
						Mean =		20.0	10.0	15.0	4.10	1194.8
4 CADRE	2 AS		4.0 oz/a		POST A	104		30.0	0.0	10.0	5.05	1471.6
DUAL MAGNUM	7.62 EC		21.0 oz/a		POST A	201		30.0	20.0	30.0	2.40	699.4
2,4-DB	1.75 SL		24.0 oz/a		POST A	302		30.0	10.0	20.0	2.25	655.7
ULTRA BLAZER	2 SL		24.0 oz/a		POST A							
						Mean =		30.0	10.0	20.0	3.23	942.2

Part Rated  
 LEAF = LEAF / FOLIAGE  
 PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)  
 PRM Data Type  
 TY1 = 291.4083\*[4]