

University of Georgia

PEANUT RESPONSE TO CADRE/COBRA/ULTRA BLAZER
 DUAL MAGNUM/ZIDUA/2,4-DB TANK-MIXTURES - YEAR 2
 Trial ID: PE-01-19 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 4 Plots: 6 by 25 feet
 Appl. Amount: 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	Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Diluent	Rep 1	2	3	4
1	30 DAP						A			101	210	314	406
	CADRE	2 AS		4.0 oz/a		POST		3.125 mL/mx	1470.3 mL				
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST		12.5 mL/mx					
	2,4-DB	1.75 SL		18.0 oz/a		POST		14.06 mL/mx					
2	30 DAP						A			102	214	307	410
	CADRE	2 AS		4.0 oz/a		POST		3.125 mL/mx	1451.6 mL				
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST		12.5 mL/mx					
	2,4-DB	1.75 SL		18.0 oz/a		POST		14.06 mL/mx					
	ULTRA BLAZER	2 SL		24.0 oz/a		POST		18.75 mL/mx					
3	30 DAP						A			103	205	302	411
	CADRE	2 AS		4.0 oz/a		POST		3.125 mL/mx	1460.6 mL				
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST		12.5 mL/mx					
	2,4-DB	1.75 SL		18.0 oz/a		POST		14.06 mL/mx					
	COBRA	2 EC		12.5 oz/a		POST		9.765 mL/mx					
4	30 DAP						A			104	201	312	405
	CADRE	2 AS		4.0 oz/a		POST		3.125 mL/mx	1477.2 mL				
	ZIDUA	4.17 SC		2.45 oz/a		POST		1.914 mL/mx					
	2,4-DB	1.75 SL		18.0 oz/a		POST		14.06 mL/mx					
	NIS			0.25 % v/v		POST		3.75 mL/mx					
5	30 DAP						A			105	209	308	401
	CADRE	2 AS		4.0 oz/a		POST		3.125 mL/mx	1458.4 mL				
	ZIDUA	4.17 SC		2.45 oz/a		POST		1.914 mL/mx					
	2,4-DB	1.75 SL		18.0 oz/a		POST		14.06 mL/mx					
	ULTRA BLAZER	2 SL		24.0 oz/a		POST		18.75 mL/mx					
6	30 DAP						A			106	213	305	414
	CADRE	2 AS		4.0 oz/a		POST		3.125 mL/mx	1467.4 mL				
	ZIDUA	4.17 SC		2.45 oz/a		POST		1.914 mL/mx					
	2,4-DB	1.75 SL		18.0 oz/a		POST		14.06 mL/mx					
	COBRA	2 EC		12.5 oz/a		POST		9.765 mL/mx					
7	30 DAP						A			107	211	303	408
	NTC												
8	45 DAP						B			108	212	306	404
	CADRE	2 AS		4.0 oz/a		POST		3.125 mL/mx	1470.3 mL				
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST		12.5 mL/mx					
	2,4-DB	1.75 SL		18.0 oz/a		POST		14.06 mL/mx					
9	45 DAP						B			109	203	309	403
	CADRE	2 AS		4.0 oz/a		POST		3.125 mL/mx	1451.6 mL				
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST		12.5 mL/mx					
	2,4-DB	1.75 SL		18.0 oz/a		POST		14.06 mL/mx					
10	45 DAP						B			110	206	310	413
	CADRE	2 AS		4.0 oz/a		POST		3.125 mL/mx	1460.6 mL				
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST		12.5 mL/mx					
	2,4-DB	1.75 SL		18.0 oz/a		POST		14.06 mL/mx					
11	45 DAP						B			111	202	304	409
	CADRE	2 AS		4.0 oz/a		POST		3.125 mL/mx	1477.2 mL				
	ZIDUA	4.17 SC		2.45 oz/a		POST		1.914 mL/mx					
	2,4-DB	1.75 SL		18.0 oz/a		POST		14.06 mL/mx					
11	NIS			0.25 % v/v		POST		3.75 mL/mx					

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 Trial ID: PE-01-19 Study Dir.:
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 Appl. Amount: 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	Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Diluent	Rep 1	Rep 2	Rep 3	Rep 4
12	45 DAP						B		-	112	208	313	407
	CADRE	2 AS		4.0 oz/a		POST		3.125 mL/mx	1458.4 mL				
	ZIDUA	4.17 SC		2.45 oz/a		POST		1.914 mL/mx					
	2,4-DB	1.75 SL		18.0 oz/a		POST		14.06 mL/mx					
	ULTRA BLAZER	2 SL		24.0 oz/a		POST		18.75 mL/mx					
	NIS			0.25 % v/v		POST		3.75 mL/mx					
13	45 DAP						B		-	113	204	301	412
	CADRE	2 AS		4.0 oz/a		POST		3.125 mL/mx	1467.4 mL				
	ZIDUA	4.17 SC		2.45 oz/a		POST		1.914 mL/mx					
	2,4-DB	1.75 SL		18.0 oz/a		POST		14.06 mL/mx					
	COBRA	2 EC		12.5 oz/a		POST		9.765 mL/mx					
	NIS			0.25 % v/v		POST		3.75 mL/mx					
14	45 DAP NTC						B		- -	114	207	311	402

Sort Order: Treatment

Trial Comments

MAINTAINED WEED-FREE

PROWL @ 32 OZ/A + STRONGARM @ 0.45 OZ/A - PRE (MAY 2)
 GRAMOXONE @ 12 OZ/A + STORM @ 16 OZ/A + DUAL MAGNUM @ 16 OZ/A - EPOST
 SELECT MAX @ 16 OZ/A + ADEPT @ 0.25% V/V - JUNE 4

NIS - INDUCE

DIGGING DATE: SEPTEMBER 19
 HARVEST DATE: SEPTEMBER 26
 HARVEST MOISTURE: 6.2%
 YIELDS ADJUSTED TO 10%
 2% YIELD DEDUCTION FOR FM (ROCKS, STEMS, ETC.)

SUMMARY:

1) WHEN COBRA OR ULTRA BLAZER WAS TANK-MIXED WITH CADRE + DUAL MAGNUM + 2,4-DB OR CADRE + ZIDUA + 2,4-DB, PEANUT LEAF INJURY (BURN) WAS INCREASED.

2) FOR PEANUT YIELD, THERE WAS NO INTERACTION BETWEEN TIME OF APPLICATION AND TREATMENT (P=0.6389). NEITHER TIME OF APPLICATION NOR TREATMENT HAD AN EFFECT ON YIELD (P>0.59). ADDITIONS OF COBRA OR ULTRA BLAZER DID NOT IMPACT YIELD.

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PEANUT RESPONSE TO CADRE/COBRA/ULTRA BLAZER
 DUAL MAGNUM/ZIDUA/2,4-DB TANK-MIXTURES - YEAR 2
 Trial ID: PE-01-19 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: 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. _____ **2.** _____
Crop 1: ARAHY PEANUT **Variety:** GA-06G **Planting Date:** Apr-30-19
Planting Method: MONOSEM TWIN ROW **Rate:** 3.5 **SEED/FT** **Depth:** 2 IN
Perennial Age: _____ **Row Spacing:** _____ **Seed Bed:** _____
Soil Temperature: _____ **Soil Moisture:** OPTIMUM **Emergence Date:** _____

Plot Width, Unit: 6 FT **Plot Length, Unit:** 25 FT **Reps:** 4
Site Type: _____ **Study Design:** FACTOR
Tillage Type: CONVENTIONAL
Trial Initiation Comments: 300 LBS/A 5-15-30 PREPLANT; THIMET INFR @ 6.6 LBS/A;
 36"-9" TWIN ROWS; RANCONA VPD SEED TRT;
Previous: Crops **Pesticides** **Year**
 1. FIELD CORN 2018

MAINTENANCE

Field Prep./Maintenance: _____

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

SOIL DESCRIPTION

Texture: SAND **% OM:** 0.53 **% Sand:** 92 **% Silt:** 6 **% Clay:** 2
pH: 6.3 **CEC:** 2.6 **Soil Name:** DOTHAN **Fertility Level:** GOOD

MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. Apr-29-19		0.5	IN	SPRINKLER - LATERAL MOVE		
2. May-3-19		0.6	IN	SPRINKLER - LATERAL MOVE		
3. May-4-19		0.15	IN	RAINFALL		
4. May-6-19		0.5	IN	SPRINKLER - LATERAL MOVE		
5. May-9-19		0.195	IN	RAINFALL		
6. May-10-19		0.11	IN	RAINFALL		
7. May-11-19		0.65	IN	RAINFALL		
8. May-12-19		0.27	IN	RAINFALL		
9. May-17-19		0.62	IN	RAINFALL		
10. May-29-19		0.5	IN	SPRINKLER - LATERAL MOVE		
11. Jun-3-19		0.5	IN	SPRINKLER - LATERAL MOVE		

Overall Moisture Conditions:

Closest Weather Station: _____ **Distance:** _____ **Unit:** _____

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	May-30-19	Jun-14-19				
Time of Day:	8:00 AM	7:00 AM				
Application Method:	BROADCAST	BROADCAST				
Application Timing:	30 DAP	45 DAP				
Applic. Placement:	FOLIAGE	FOLIAGE				
Air Temp., Unit:	71 F	62 F				
% Relative Humidity:	93	90				
Wind Velocity, Unit:	1 MPH	0 MPH				
Dew Presence (Y/N):	Y	Y				
Water Hardness:	--	--				
Soil Temp., Unit:	79 F	71 F				
Soil Moisture:	OPTIMAL	OPTIMUM				
% Cloud Cover:	0	20				

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 Trial ID: PE-01-19 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

CROP STAGE AT EACH APPLICATION

		A	B	C	D	E	F
Crop 1	Stage: ARAHY						
	Stage Scale: R1; 4"	R2					
	Height, Unit: 7	IN					

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 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:	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		Arahy Leaf - Burn Percent	Arahy Leaf - Burn Percent	----- ARAHY DIRTY - YIELD LBS/PLOT	----- ARAHY CLEAN - YIELD LBS/PLOT	----- ARAHY CLEAN - YIELD LBS/A			
Rating Date		Jun-5-19	Jun-21-19	Sep-25-19	Sep-25-19	Sep-25-19			
PRM Data Type # Subsamples, Dec.				- 1	T1 - 1	TY2 - 0			
Trt Treatment No. Name	Form Form Conc Type	Rate Grow Rate Unit	Appl Stg	Code	1	2	3	4	5
TABLE OF R MEANS									
Replicate 1									
Replicate 2									
Replicate 3									
Replicate 4									
TABLE OF A (TIMING) MEANS									
1 30 DAP A									
2 45 DAP B									
LSD P=.10									
Standard Deviation									
CV									
TABLE OF B (TREATMENT) MEANS									
1 CADRE 2 AS 4.0 oz/a POST									
1 DUAL MAGNUM 7.62 EC 16.0 oz/a POST									
1 2,4-DB 1.75 SL 18.0 oz/a POST									
2 CADRE 2 AS 4.0 oz/a POST									
2 DUAL MAGNUM 7.62 EC 16.0 oz/a POST									
2 2,4-DB 1.75 SL 18.0 oz/a POST									
2 ULTRA BLAZER 2 SL 24.0 oz/a POST									
3 CADRE 2 AS 4.0 oz/a POST									
3 DUAL MAGNUM 7.62 EC 16.0 oz/a POST									
3 2,4-DB 1.75 SL 18.0 oz/a POST									
3 COBRA 2 EC 12.5 oz/a POST									
4 CADRE 2 AS 4.0 oz/a POST									
4 ZIDUA 4.17 SC 2.45 oz/a POST									
4 2,4-DB 1.75 SL 18.0 oz/a POST									
4									
5 CADRE 2 AS 4.0 oz/a POST									
5 ZIDUA 4.17 SC 2.45 oz/a POST									
5 2,4-DB 1.75 SL 18.0 oz/a POST									
5 ULTRA BLAZER 2 SL 24.0 oz/a POST									
5									
6 CADRE 2 AS 4.0 oz/a POST									
6 ZIDUA 4.17 SC 2.45 oz/a POST									
6 2,4-DB 1.75 SL 18.0 oz/a POST									
6 COBRA 2 EC 12.5 oz/a POST									
6									
7 NTC									
LSD P=.10									
Standard Deviation									
CV									
TABLE OF A (TIMING) B (TREATMENT) MEANS									
1 30 DAP A									
1 CADRE 2 AS 4.0 oz/a POST									
1 DUAL MAGNUM 7.62 EC 16.0 oz/a POST									
1 2,4-DB 1.75 SL 18.0 oz/a POST									
2 45 DAP B									
1 CADRE 2 AS 4.0 oz/a POST									
1 DUAL MAGNUM 7.62 EC 16.0 oz/a POST									
1 2,4-DB 1.75 SL 18.0 oz/a POST									

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.

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PEANUT RESPONSE TO CADRE/COBRA/ULTRA BLAZER DUAL MAGNUM/ZIDUA/2,4-DB TANK-MIXTURES - YEAR 2												
Trial ID: PE-01-19		Study Dir.: Eric P. Prostko										
Location: PONDER FARM		Investigator: Eric P. Prostko										
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Arahy Leaf - Burn Percent	Arahy Leaf - Burn Percent	----- ARAHY DIRTY - YIELD LBS/PLOT	----- ARAHY CLEAN - YIELD LBS/PLOT	----- ARAHY CLEAN - YIELD LBS/A		
					Jun-5-19	Jun-21-19	Sep-25-19	Sep-25-19	Sep-25-19			
PRM Data Type									T1	TY2		
# Subsamples, Dec.								- 1	- 1	- 0		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	1	2	3	4	5
1	30 DAP					A		18.8 a	0.0 e	21.4 -	21.0 -	6355 -
2	CADRE	2 AS		4.0 oz/a	POST							
2	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST							
2	2,4-DB	1.75 SL		18.0 oz/a	POST							
2	ULTRA BLAZER	2 SL		24.0 oz/a	POST							
2	45 DAP					B		0.0 e	20.0 a	22.7 -	22.2 -	6718 -
2	CADRE	2 AS		4.0 oz/a	POST							
2	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST							
2	2,4-DB	1.75 SL		18.0 oz/a	POST							
2	ULTRA BLAZER	2 SL		24.0 oz/a	POST							
1	30 DAP					A		16.3 b	0.0 e	22.2 -	21.8 -	6592 -
3	CADRE	2 AS		4.0 oz/a	POST							
3	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST							
3	2,4-DB	1.75 SL		18.0 oz/a	POST							
3	COBRA	2 EC		12.5 oz/a	POST							
2	45 DAP					B		0.0 e	20.0 a	22.2 -	21.7 -	6570 -
3	CADRE	2 AS		4.0 oz/a	POST							
3	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST							
3	2,4-DB	1.75 SL		18.0 oz/a	POST							
3	COBRA	2 EC		12.5 oz/a	POST							
1	30 DAP					A		0.0 e	0.0 e	23.3 -	22.8 -	6896 -
4	CADRE	2 AS		4.0 oz/a	POST							
4	ZIDUA	4.17 SC		2.45 oz/a	POST							
4	2,4-DB	1.75 SL		18.0 oz/a	POST							
4												
2	45 DAP					B		0.0 e	6.3 d	22.3 -	21.9 -	6614 -
4	CADRE	2 AS		4.0 oz/a	POST							
4	ZIDUA	4.17 SC		2.45 oz/a	POST							
4	2,4-DB	1.75 SL		18.0 oz/a	POST							
4												
1	30 DAP					A		12.5 c	0.0 e	22.5 -	22.1 -	6674 -
5	CADRE	2 AS		4.0 oz/a	POST							
5	ZIDUA	4.17 SC		2.45 oz/a	POST							
5	2,4-DB	1.75 SL		18.0 oz/a	POST							
5	ULTRA BLAZER	2 SL		24.0 oz/a	POST							
5												
2	45 DAP					B		0.0 e	17.5 b	22.5 -	22.0 -	6666 -
5	CADRE	2 AS		4.0 oz/a	POST							
5	ZIDUA	4.17 SC		2.45 oz/a	POST							
5	2,4-DB	1.75 SL		18.0 oz/a	POST							
5	ULTRA BLAZER	2 SL		24.0 oz/a	POST							
5												
1	30 DAP					A		10.0 d	0.0 e	22.8 -	22.3 -	6763 -
6	CADRE	2 AS		4.0 oz/a	POST							
6	ZIDUA	4.17 SC		2.45 oz/a	POST							
6	2,4-DB	1.75 SL		18.0 oz/a	POST							
6	COBRA	2 EC		12.5 oz/a	POST							
6												
2	45 DAP					B		0.0 e	15.0 c	21.8 -	21.4 -	6473 -
6	CADRE	2 AS		4.0 oz/a	POST							
6	ZIDUA	4.17 SC		2.45 oz/a	POST							
6	2,4-DB	1.75 SL		18.0 oz/a	POST							
6	COBRA	2 EC		12.5 oz/a	POST							
6												

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Weed Code									
Crop Code									
Part Rated									
Rating Data Type									
Rating Unit									
Rating Date									
PRM Data Type									
# Subsamples, Dec.									
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code		
1	30 DAP					A		1	2
7	NTC							3	4
2	45 DAP					B		5	
7	NTC								
LSD	P=.10								
Standard Deviation									
CV									

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COMPLETE FACTORIAL AOV For Arah Leaf Burn Percent Jun-5-19 (Data Column 1) Source DF Sum of Squares Mean Square F Prob(F) LSD (.10)						
Total	55	2605.357143				
R	3	1.785714	0.595238	0.364	0.7800	
A	1	944.642857	944.642857	1587.000	0.0001	0.5
RA	3	1.785714	0.595238			
B	6	799.107143	133.184524	81.364	0.0001	1.1
RB	18	29.464286	1.636905			
AB	6	799.107143	133.184524	81.364	0.0001	1.6
RAB	18	29.464286	1.636905			
COMPLETE FACTORIAL AOV For Arah Leaf Burn Percent Jun-21-19 (Data Column 2) Source DF Sum of Squares Mean Square F Prob(F) LSD (.10)						
Total	55	3620.982143				
R	3	1.339286	0.446429	0.391	0.7607	
A	1	2004.017857	2004.017857	4489.000	0.0001	0.4
RA	3	1.339286	0.446429			
B	6	786.607143	131.101190	114.913	0.0001	0.9
RB	18	20.535714	1.140873			
AB	6	786.607143	131.101190	114.913	0.0001	1.3
RAB	18	20.535714	1.140873			
COMPLETE FACTORIAL AOV For ----- ARAHY DIRTY YIELD LBS/PLOT Sep-25-19 1 (Data Column 3) Source DF Sum of Squares Mean Square F Prob(F) LSD (.10)						
Total	55	119.680000				
R	3	32.947143	10.982381	5.161	0.0095	
A	1	0.411429	0.411429	0.345	0.5980	0.7
RA	3	3.572857	1.190952			
B	6	3.512500	0.585417	0.332	0.9112	1.2
RB	18	31.740357	1.763353			
AB	6	9.191071	1.531845	0.720	0.6389	1.8
RAB	18	38.304643	2.128036			
COMPLETE FACTORIAL AOV For ----- ARAHY CLEAN YIELD LBS/PLOT Sep-25-19 T1 1 (Data Column 4) Source DF Sum of Squares Mean Square F Prob(F) LSD (.10)						
Total	55	114.940672				
R	3	31.642436	10.547479	5.161	0.0095	
A	1	0.395136	0.395136	0.345	0.5980	0.7
RA	3	3.431372	1.143791			
B	6	3.373405	0.562234	0.332	0.9112	1.1
RB	18	30.483439	1.693524			
AB	6	8.827105	1.471184	0.720	0.6389	1.8
RAB	18	36.787779	2.043766			
COMPLETE FACTORIAL AOV For ----- ARAHY CLEAN YIELD LBS/A Sep-25-19 TY2 0 (Data Column 5) Source DF Sum of Squares Mean Square F Prob(F) LSD (.10)						
Total	55	10529009.515579				
R	3	2898569.357069	966189.785690	5.161	0.0095	
A	1	36195.983820	36195.983820	0.345	0.5980	204
RA	3	314326.928935	104775.642978			
B	6	309016.927836	51502.821306	0.332	0.9112	341
RB	18	2792400.755222	155133.375290			
AB	6	808596.912849	134766.152142	0.720	0.6389	531
RAB	18	3369902.649847	187216.813880			
Part Rated Leaf = LEAF / FOLIAGE PRM Data Type T1 = [C3]*0.98 TY2 = 302.6613*[4]						

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.

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PEANUT RESPONSE TO CADRE/COBRA/ULTRA BLAZER DUAL MAGNUM/ZIDUA/2,4-DB TANK-MIXTURES - YEAR 2												
Trial ID: PE-01-19 Study Dir.: Location: PONDER FARM Investigator: Eric P. Prostko												
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	PRM Data Type	# Subsamples, Dec.	Arahy Leaf - Burn Percent Jun-5-19	Arahy Leaf - Burn Percent Jun-21-19	ARAHY DIRTY - YIELD LBS/PLOT Sep-25-19	ARAHY CLEAN - YIELD LBS/PLOT Sep-25-19	ARAHY CLEAN - YIELD LBS/A Sep-25-19
								-----	-----	-----	-----	-----
								- 1	- 1	T1	TY2	- 0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code Plot	1	2	3	4	5
1	30 DAP					A	101	0.0	0.0	24.2	23.7	7178
	CADRE	2 AS		4.0 oz/a		POST	210	0.0	0.0	22.2	21.8	6585
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST	314	0.0	0.0	20.8	20.4	6169
	2,4-DB	1.75 SL		18.0 oz/a		POST	406	0.0	0.0	23.2	22.7	6881
							Mean =	0.0	0.0	22.6	22.1	6703
2	30 DAP					A	102	15.0	0.0	23.6	23.1	7000
	CADRE	2 AS		4.0 oz/a		POST	214	20.0	0.0	18.5	18.1	5487
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST	307	20.0	0.0	22.0	21.6	6525
	2,4-DB	1.75 SL		18.0 oz/a		POST	410	20.0	0.0	21.6	21.2	6407
	ULTRA BLAZER	2 SL		24.0 oz/a		POST						
							Mean =	18.8	0.0	21.4	21.0	6355
3	30 DAP					A	103	15.0	0.0	22.4	22.0	6644
	CADRE	2 AS		4.0 oz/a		POST	205	15.0	0.0	22.0	21.6	6525
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST	302	20.0	0.0	22.1	21.7	6555
	2,4-DB	1.75 SL		18.0 oz/a		POST	411	15.0	0.0	22.4	22.0	6644
	COBRA	2 EC		12.5 oz/a		POST						
							Mean =	16.3	0.0	22.2	21.8	6592
4	30 DAP					A	104	0.0	0.0	25.2	24.7	7475
	CADRE	2 AS		4.0 oz/a		POST	201	0.0	0.0	23.6	23.1	7000
	ZIDUA	4.17 SC		2.45 oz/a		POST	312	0.0	0.0	21.2	20.8	6288
	2,4-DB	1.75 SL		18.0 oz/a		POST	405	0.0	0.0	23.0	22.5	6822
	NIS			0.25 % v/v		POST						
							Mean =	0.0	0.0	23.3	22.8	6896
5	30 DAP					A	105	15.0	0.0	23.0	22.5	6822
	CADRE	2 AS		4.0 oz/a		POST	209	15.0	0.0	21.7	21.3	6436
	ZIDUA	4.17 SC		2.45 oz/a		POST	308	10.0	0.0	20.9	20.5	6199
	2,4-DB	1.75 SL		18.0 oz/a		POST	401	10.0	0.0	24.4	23.9	7237
	ULTRA BLAZER	2 SL		24.0 oz/a		POST						
	NIS			0.25 % v/v		POST						
							Mean =	12.5	0.0	22.5	22.1	6674
6	30 DAP					A	106	10.0	0.0	25.1	24.6	7445
	CADRE	2 AS		4.0 oz/a		POST	213	10.0	0.0	23.3	22.8	6911
	ZIDUA	4.17 SC		2.45 oz/a		POST	305	10.0	0.0	20.3	19.9	6021
	2,4-DB	1.75 SL		18.0 oz/a		POST	414	10.0	0.0	22.5	22.1	6674
	COBRA	2 EC		12.5 oz/a		POST						
	NIS			0.25 % v/v		POST						
							Mean =	10.0	0.0	22.8	22.3	6763
7	30 DAP					A	107	0.0	0.0	23.3	22.8	6911
	NTC						211	0.0	0.0	20.7	20.3	6140
							303	0.0	0.0	22.5	22.1	6674
							408	0.0	0.0	22.5	22.1	6674
							Mean =	0.0	0.0	22.3	21.8	6600
8	45 DAP					B	108	0.0	5.0	23.5	23.0	6970
	CADRE	2 AS		4.0 oz/a		POST	212	0.0	5.0	19.7	19.3	5843
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST	306	0.0	5.0	20.9	20.5	6199
	2,4-DB	1.75 SL		18.0 oz/a		POST	404	0.0	5.0	22.2	21.8	6585
							Mean =	0.0	5.0	21.6	21.1	6399
9	45 DAP					B	109	0.0	20.0	23.6	23.1	7000
	CADRE	2 AS		4.0 oz/a		POST	203	0.0	20.0	21.7	21.3	6436
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST	309	0.0	20.0	22.9	22.4	6792
	2,4-DB	1.75 SL		18.0 oz/a		POST	403	0.0	20.0	22.4	22.0	6644
	ULTRA BLAZER	2 SL		24.0 oz/a		POST						
							Mean =	0.0	20.0	22.7	22.2	6718

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PEANUT RESPONSE TO CADRE/COBRA/ULTRA BLAZER
 DUAL MAGNUM/ZIDUA/2,4-DB TANK-MIXTURES - YEAR 2
 Trial ID: PE-01-19 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code						Arahy	Arahy	-----	-----	-----		
Crop Code						Leaf -	Leaf -	DIRTY -	CLEAN -	CLEAN -		
Part Rated						Burn	Burn	YIELD	YIELD	YIELD		
Rating Data Type						Percent	Percent	LBS/PLOT	LBS/PLOT	LBS/A		
Rating Unit						Jun-5-19	Jun-21-19	Sep-25-19	Sep-25-19	Sep-25-19		
Rating Date									T1	TY2		
PRM Data Type									- 1	- 0		
# Subsamples, Dec.												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code	Plot	1	2	3	4	5
10	45 DAP					B 110		0.0	20.0	22.8	22.3	6763
	CADRE	2 AS		4.0 oz/a	POST	206		0.0	20.0	22.3	21.9	6614
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	310		0.0	20.0	20.5	20.1	6080
	2,4-DB	1.75 SL		18.0 oz/a	POST	413		0.0	20.0	23.0	22.5	6822
	COBRA	2 EC		12.5 oz/a	POST							
						Mean =		0.0	20.0	22.2	21.7	6570
11	45 DAP					B 111		0.0	5.0	22.3	21.9	6614
	CADRE	2 AS		4.0 oz/a	POST	202		0.0	5.0	22.7	22.2	6733
	ZIDUA	4.17 SC		2.45 oz/a	POST	304		0.0	5.0	21.8	21.4	6466
	2,4-DB	1.75 SL		18.0 oz/a	POST	409		0.0	10.0	22.4	22.0	6644
	NIS			0.25 % v/v	POST							
						Mean =		0.0	6.3	22.3	21.9	6614
12	45 DAP					B 112		0.0	15.0	22.7	22.2	6733
	CADRE	2 AS		4.0 oz/a	POST	208		0.0	20.0	21.9	21.5	6496
	ZIDUA	4.17 SC		2.45 oz/a	POST	313		0.0	20.0	23.0	22.5	6822
	2,4-DB	1.75 SL		18.0 oz/a	POST	407		0.0	15.0	22.3	21.9	6614
	ULTRA BLAZER	2 SL		24.0 oz/a	POST							
	NIS			0.25 % v/v	POST							
						Mean =		0.0	17.5	22.5	22.0	6666
13	45 DAP					B 113		0.0	15.0	24.4	23.9	7237
	CADRE	2 AS		4.0 oz/a	POST	204		0.0	15.0	21.4	21.0	6347
	ZIDUA	4.17 SC		2.45 oz/a	POST	301		0.0	15.0	23.2	22.7	6881
	2,4-DB	1.75 SL		18.0 oz/a	POST	412		0.0	15.0	18.3	17.9	5428
	COBRA	2 EC		12.5 oz/a	POST							
	NIS			0.25 % v/v	POST							
						Mean =		0.0	15.0	21.8	21.4	6473
14	45 DAP					B 114		0.0	0.0	23.8	23.3	7059
	NTC					207		0.0	0.0	25.1	24.6	7445
						311		0.0	0.0	19.2	18.8	5695
						402		0.0	0.0	23.4	22.9	6941
						Mean =		0.0	0.0	22.9	22.4	6785

Part Rated
 Leaf = LEAF / FOLIAGE
 PRM Data Type
 T1 = [C3]*0.98
 TY2 = 302.6613*[4]