

PEANUT RESPONSE TO ROUNDUP + XTENDIMAX AT LOW RATES			
MULTIPLE EVENTS - YEAR 2			
Trial ID:	PE-09-20	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	Appl Code	Amt Product to Measure	Diluent	Rep 1	2	3	4
1	28 + 57 DAP NO HERBICIDE (NTC)					A		- -	101	202	301	404
2	28 + 57 DAP ROUNDUP PMAX XTENDIMAX	5.5 SL 2.9 SL		0.64 oz/a 0.44 oz/a		A	0.4999 mL/mx 0.3437 mL/mx	- 1499.2 mL	102	205	306	405
3	28 + 57 DAP ROUNDUP PMAX XTENDIMAX	5.5 SL 2.9 SL		0.32 oz/a 0.22 oz/a		A	0.25 mL/mx 0.1719 mL/mx	- 1499.6 mL	103	204	305	403
4	28 + 57 + 92 DAP NO HERBICIDE (NTC)					B		- -	104	206	303	401
5	28 + 57 + 92 DAP ROUNDUP PMAX XTENDIMAX	5.5 SL 2.9 SL		0.64 oz/a 0.44 oz/a		B	0.4999 mL/mx 0.3437 mL/mx	- 1499.2 mL	105	203	302	406
6	28 + 57 + 92 DAP ROUNDUP PMAX XTENDIMAX	5.5 SL 2.9 SL		0.32 oz/a 0.22 oz/a		B	0.25 mL/mx 0.1719 mL/mx	- 1499.6 mL	106	201	304	402

Trial Comments

RATES ARE EQUIVALENT TO 1/50th AND 1/100th X RATES

MAINTAINED WEED-FREE
STRONGARM @ 0.45 OZ/A + PROWL H20 @ 32 OZ/A + VALOR @ 3 OZ/A - PRE - APRIL 28
SELECT MAX @ 16 OZ/A + NIS - JUNE 1/JUNE 18/JULY 13
WARRANT @ 48 OZ/A - JULY 1

HAND-WEEDED

BORDER BED BETWEEN EACH PLOT (FOR OFF-TARGET MOVEMENT PROTECTION)

VISUAL INJURY RATINGS - 1-5 SCALE WITH 1 = NO DICAMBA SYMPTOMS; 2 = 25% OF LEAVES WITH DICAMBA SYMPTOMS; 3 = 50%; 4 = 75%; 5 = 100% (THIS IS THE WAY I HAVE BEEN RATING DICAMBA INJURY ON PEANUTS BECAUSE IT VARIES SO MUCH - LEAF CURL/STEM CURL/LEAF STRAPPING)

STUNTING
DICAMBA INJURY (SEE ABOVE)
YIELD
GRADE

DIGGING DATE: SEPTEMBER 21
HARVEST DATE: OCTOBER 1
HARVEST MOISTURE: 12.3%
YIELDS ADJUSTED TO 10%.
2% YIELD DEDUCTION FOR FM (ROCKS, LEAVES, STEMS, ETC.)

SUMMARY:

1) GENERALLY, 1/50TH AND 1/100TH RATES OF GLYPHOSATE + DICAMBA CAUSED PEANUT INJURY IN THE FORM OF STUNTING AND TYPICAL DICAMBA SYMPTOMS (LEAF CURL, LEAF STRAPPING).

2) FOR PEANUT YIELD (LBS/A) THERE WAS NO INTERACTION BETWEEN TIME OF APPLICATION AND RATE (P=0.4403). PEANUT YIELDS WERE NOT INFLUENCED BY TIME OF APPLICATION OR RATE (P > 0.21).

3) FOR PEANUT YIELD LOSS (%), THERE WAS NO INTERACTION BETWEEN TIME OF APPLICATION AND RATE (P=0.3554). PEANUT YIELD LOSS WAS NOT INFLUENCED BY TIME OF APPLICATION (P=0.3077). HOWEVER, RATE WAS SIGNIFICANT (P=0.0256). YIELD LOSS CAUSED BY RATE WAS 6.2% AND 10.3% FOR THE 1/100TH AND 1/50TH RATES, RESPECTIVELY.

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PEANUT RESPONSE TO ROUNDUP + XTENDIMAX AT LOW RATES

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4) 100 POD WEIGHTS WERE ONLY EFFECTED BY RATE ($P=0.084$). 100 POD WEIGHTS WERE SIGNIFICANTLY REDUCED BY THE 1/100TH RATE.

5) ABNORMAL PODS WERE NOT AFFECTED BY TIME OR RATE ($P>0.12$).

6) PEANUT GRADES (SMK, SS, TSMK, OK) WERE NO AFFECTED BY TIMING OR RATE ($P>0.14$).

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MULTIPLE EVENTS - YEAR 2

Trial ID: PE-09-20 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-27-20
 Planting Method: MONOSEM TWIN ROW Rate: 3.5 SEED/FT Depth: 2.0 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: _____

Tillage Type: CONVENTIONAL

Study Design: FACTOR

Trial Initiation Comments: 300 LBS/A 5-15-30; THIMET INFR @ 6.6 LBS/A; RANCONA
 VPD SEED TRT; 36"-9" TWIN ROWS; 1 TON/A LIME PREPLAN; 1000 LBS/A GYPSUM

Previous: Crops Pesticides Year
 1. COTTON _____ 2019

MAINTENANCE

Field Prep./Maintenance: _____

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

SOIL DESCRIPTION

Texture: SAND % OM: 0.65 % Sand: 92 % Silt: 4 % Clay: 4
 pH: 6.0 CEC: 2.5 Soil Name: TIFTON Fertility Level: GOOD

MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. Apr-30-20	_____	0.9	IN	RAINFALL	_____	_____
2. May-5-20	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
3. May-7-20	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
4. May-13-20	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
5. May-14-20	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
6. May-17-20	_____	0.11	IN	RAINFALL	_____	_____
7. May-20-20	_____	1.3	IN	RAINFALL	_____	_____
8. May-22-20	_____	1.2	IN	RAINFALL	_____	_____
9. May-26-20	_____	0.26	IN	RAINFALL	_____	_____
10. May-28-20	_____	0.41	IN	RAINFALL	_____	_____
11. May-29-20	_____	0.19	IN	RAINFALL	_____	_____
12. Jun-6-20	_____	0.07	IN	RAINFALL	_____	_____
13. Jun-7-20	_____	0.59	IN	RAINFALL	_____	_____
14. Jun-9-20	_____	0.15	IN	RAINFALL	_____	_____
15. Jun-12-20	_____	2.67	IN	RAINFALL	_____	_____
16. Jun-22-20	_____	0.61	IN	RAINFALL (PM)	_____	_____
17. Jun-24-20	_____	0.65	IN	SPRINKLER - LATERAL MOVE	_____	_____
18. Jun-29-20	_____	0.65	IN	SPRINKLER - LATERAL MOVE	_____	_____
19. Jul-5-20	_____	0.5	IN	RAINFALL	_____	_____
20. Jul-6-20	_____	0.5	IN	RAINFALL	_____	_____

Overall Moisture Conditions: _____

Closest Weather Station: _____ Distance: _____ Unit: _____

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PEANUT RESPONSE TO ROUNDUP + XTENDIMAX AT LOW RATES

MULTIPLE EVENTS - YEAR 2

Trial ID: PE-09-20 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

APPLICATION DESCRIPTION						
	A	B	C	D	E	F
Application Date:	May-25-20	Jun-22-20	Jul-27-20			
Time of Day:	7:30 AM	6:46 AM	7:35 AM			
Application Method:	BROADCAST	BROADCAST	BROADCAST			
Application Timing:	28 DAP	57 DAP	92 DAP			
Applic. Placement:	FOLIAGE	FOLIAGE	FOLIAGE			
Air Temp., Unit:	73 F	71 F	73 F			
% Relative Humidity:	91	91	93			
Wind Velocity, Unit:	1 MPH	2 MPH	0 MPH			
Dew Presence (Y/N):	Y	Y	Y			
Water Hardness:	--	--	--			
Soil Temp., Unit:	75 F	83 F	80 F			
Soil Moisture:	WET	DRY	OPTIMUM			
% Cloud Cover:	100	0	0			

CROP STAGE AT EACH APPLICATION						
	A	B	C	D	E	F
Crop 1 Stage:	ARAHY	6" TALL	14" TALL			
Stage Scale:	4" W; V4-5	R3	R6			
Height, Unit:	3 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	SAME			
Operating Pressure:	40					
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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PEANUT RESPONSE TO ROUNDUP + XTENDIMAX AT LOW RATES											
MULTIPLE EVENTS - YEAR 2											
Trial ID:		PE-09-20		Study Dir.:							
Location:		PONDER FARM		Investigator:		Eric P. Prostko					
Weed Code				Arahy	Arahy	Arahy	Araht	Arahy	Arahy	----	
Crop Code				Plant -	Plant -	Plant -	Plant -	Plant -	Plant -	----	
Part Rated				Stunting	Dicamba	Stuntin	Dicamba	Stunting	Dicamba	----	
Rating Data Type				Percent	1-5	Percent	1-5	Percent	1-5	----	
Rating Unit				Jun-1-20	Jun-1-20	Jun-9-20	Jun-9-20	Jun-29-20	Jun-29-20	----	
Rating Date										----	
PRM Data Type											
# Subsamples, Dec.					- 1		- 1		- 1		
Trt Treatment		Form Form	Rate Appl								
No. Name		Conc Type	Rate Unit	Code	1	2	3	4	5	6	7
TABLE OF R MEANS											
Replicate 1					2.5	1.6	5.8	1.8	5.8	1.5	3.3
Replicate 2					1.7	1.8	6.7	1.8	3.3	1.5	9.2
Replicate 3					0.0	1.7	4.2	1.8	4.2	1.5	5.8
Replicate 4					0.0	1.8	5.0	1.8	4.2	1.4	5.0
TABLE OF A (TIMING) MEANS											
1 28 + 57 DAP				A	1.3 a	1.7 a	5.8 a	1.9 a	5.4 a	1.5 a	4.6 a
2 28 + 57 + 92 DAP				B	0.8 a	1.8 a	5.0 a	1.8 a	3.3 a	1.5 a	7.1 a
LSD P=.10					4.04	0.33	3.40	0.20	4.04	0.10	10.68
Standard Deviation					4.21	0.35	3.54	0.20	4.21	0.10	11.12
CV					403.98	20.16	65.27	11.13	96.19	6.90	190.60
TABLE OF B (RATE) MEANS											
1 NO HERBICIDE (NTC)					0.0 a	1.0 c	0.0 c	1.0 c	0.0 b	1.0 c	13.8 a
2 ROUNDUP PMAX		5.5 SL	0.64 oz/a		1.3 a	2.5 a	12.5 a	2.9 a	8.1 a	1.9 a	0.6 b
2 XTENDIMAX		2.9 SL	0.44 oz/a								
3 ROUNDUP PMAX		5.5 SL	0.32 oz/a		1.9 a	1.7 b	3.8 b	1.6 b	5.0 a	1.5 b	3.1 b
3 XTENDIMAX		2.9 SL	0.22 oz/a								
LSD P=.10					2.62	0.22	1.62	0.20	4.69	0.10	3.92
Standard Deviation					2.70	0.23	1.67	0.20	4.82	0.10	4.04
CV					259.23	13.20	30.77	11.13	110.25	6.90	69.25
TABLE OF A (TIMING) B (RATE) MEANS											
1 28 + 57 DAP				A	0.0 a	1.0 a	0.0 a	1.0 a	0.0 a	1.0 a	13.8 a
1 NO HERBICIDE (NTC)											
2 28 + 57 + 92 DAP				B	0.0 a	1.0 a	0.0 a	1.0 a	0.0 a	1.0 a	13.8 a
1 NO HERBICIDE (NTC)											
1 28 + 57 DAP				A	2.5 a	2.5 a	12.5 a	2.9 a	8.8 a	2.0 a	0.0 a
2 ROUNDUP PMAX		5.5 SL	0.64 oz/a								
2 XTENDIMAX		2.9 SL	0.44 oz/a								
2 28 + 57 + 92 DAP				B	0.0 a	2.5 a	12.5 a	2.9 a	7.5 a	1.9 a	1.3 a
2 ROUNDUP PMAX		5.5 SL	0.64 oz/a								
2 XTENDIMAX		2.9 SL	0.44 oz/a								
1 28 + 57 DAP				A	1.3 a	1.6 a	5.0 a	1.8 a	7.5 a	1.5 a	0.0 a
3 ROUNDUP PMAX		5.5 SL	0.32 oz/a								
3 XTENDIMAX		2.9 SL	0.22 oz/a								
2 28 + 57 + 92 DAP				B	2.5 a	1.8 a	2.5 a	1.5 a	2.5 a	1.5 a	6.3 a
3 ROUNDUP PMAX		5.5 SL	0.32 oz/a								
3 XTENDIMAX		2.9 SL	0.22 oz/a								
LSD P=.10					3.71	0.56	5.61	0.28	5.06	0.14	10.46
Standard Deviation					2.70	0.40	4.08	0.20	3.68	0.10	7.61
CV					259.23	23.36	75.37	11.13	84.11	6.90	130.54

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 ROUNDUP + XTENDIMAX AT LOW RATES									
MULTIPLE EVENTS - YEAR 2									
Trial ID:	PE-09-20	Study Dir.:	Eric P. Prostko						
Location:	PONDER FARM	Investigator:	Eric P. Prostko						
Weed Code	-----	-----	-----	-----	-----	-----	-----	-----	-----
Crop Code	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy
Part Rated									
Rating Data Type	Stunting	Dicamba	Ht1	Ht2	Ht3	Ht4	Ht5		
Rating Unit	Percent	1-5	In	In	In	In	In	In	In
Rating Date	Jul-23-20	Jul-23-20	Aug-3-20	Aug-3-20	Aug-3-20	Aug-3-20	Aug-3-20	Aug-3-20	Aug-3-20
PRM Data Type									
# Subsamples, Dec.		- 1							
Trt Treatment	Form Form	Rate Appl							
No. Name	Conc Type Rate Unit Code								
			8	9	10	11	12	13	14
TABLE OF R MEANS									
Replicate 1			6.7	1.0	12.7	12.5	13.7	12.7	12.3
Replicate 2			1.7	1.0	12.8	13.2	13.0	13.3	13.2
Replicate 3			2.5	1.0	13.8	13.2	13.0	13.2	13.8
Replicate 4			2.5	1.0	13.2	13.2	13.3	13.3	12.8
TABLE OF A (TIMING) MEANS									
1 28 + 57 DAP	A		2.9 a	1.0 a	13.3 a	13.5 a	13.6 a	13.0 a	12.9 a
2 28 + 57 + 92 DAP	B		3.8 a	1.0 a	13.0 a	12.5 a	12.9 a	13.3 a	13.2 a
LSD P=.10			2.53	.	0.81	1.28	1.43	1.17	0.81
Standard Deviation			2.64	0.00	0.84	1.33	1.49	1.22	0.84
CV			79.06	0.00	6.41	10.26	11.25	9.29	6.45
TABLE OF B (RATE) MEANS									
1 NO HERBICIDE (NTC)			0.0 a	1.0 a	13.9 a	13.6 a	14.8 a	14.0 a	13.5 a
2 ROUNDUP PMAX	5.5 SL	0.64 oz/a	5.0 a	1.0 a	12.9 a	12.1 a	12.6 b	12.4 a	12.8 a
2 XTENDIMAX	2.9 SL	0.44 oz/a							
3 ROUNDUP PMAX	5.5 SL	0.32 oz/a	5.0 a	1.0 a	12.6 a	13.3 a	12.4 b	13.0 a	12.9 a
3 XTENDIMAX	2.9 SL	0.22 oz/a							
LSD P=.10			4.58	.	1.50	1.60	1.22	1.46	1.03
Standard Deviation			4.71	0.00	1.55	1.65	1.25	1.50	1.06
CV			141.42	0.00	11.78	12.66	9.45	11.46	8.13
TABLE OF A (TIMING) B (RATE) MEANS									
1 28 + 57 DAP	A		0.0 d	1.0 a	14.8 a	14.5 a	15.5 a	14.0 a	13.3 a
1 NO HERBICIDE (NTC)									
2 28 + 57 + 92 DAP	B		0.0 d	1.0 a	13.0 a	12.8 a	14.0 a	14.0 a	13.8 a
2 NO HERBICIDE (NTC)									
1 28 + 57 DAP	A		2.5 cd	1.0 a	13.0 a	12.8 a	13.0 a	13.0 a	13.0 a
2 ROUNDUP PMAX	5.5 SL	0.64 oz/a							
2 XTENDIMAX	2.9 SL	0.44 oz/a							
2 28 + 57 + 92 DAP	B		7.5 a	1.0 a	12.8 a	11.5 a	12.3 a	11.8 a	12.5 a
2 ROUNDUP PMAX	5.5 SL	0.64 oz/a							
2 XTENDIMAX	2.9 SL	0.44 oz/a							
1 28 + 57 DAP	A		6.3 ab	1.0 a	12.0 a	13.3 a	12.3 a	12.0 a	12.5 a
3 ROUNDUP PMAX	5.5 SL	0.32 oz/a							
3 XTENDIMAX	2.9 SL	0.22 oz/a							
2 28 + 57 + 92 DAP	B		3.8 bc	1.0 a	13.3 a	13.3 a	12.5 a	14.0 a	13.3 a
3 ROUNDUP PMAX	5.5 SL	0.32 oz/a							
3 XTENDIMAX	2.9 SL	0.22 oz/a							
LSD P=.10			3.62	.	1.68	2.34	1.06	1.85	1.40
Standard Deviation			2.64	0.00	1.22	1.70	0.77	1.35	1.02
CV			79.06	0.00	9.33	13.11	5.83	10.28	7.83

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 ROUNDUP + XTENDIMAX AT LOW RATES						
MULTIPLE EVENTS - YEAR 2						
Trial ID:	PE-09-20	Study Dir.:	Eric P. Prostko			
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
Weed Code	----	Arahy Plant -	Arahy Plant -	Arahy Leaf -	Arahy Plant -	Arahy Plant -
Crop Code		Dicamba	Stunting	Dicamba	Stunting	Dicamba
Part Rated		1-5	Percent	1-5	Percent	1-5
Rating Data Type		Aug-3-20	Aug-12-20	Aug-12-20	Aug-31-20	Aug-31-20
Rating Unit						Spot
Rating Date						1-10
PRM Data Type						Sep-2-20
# Subsamples, Dec.		- 1		- 1	- 1	- 1
Trt Treatment	Form Form	Rate Appl				
No. Name	Conc Type Rate Unit Code	15	16	17	18	19
TABLE OF R MEANS						
Replicate 1		1.2	6.7	1.3	5.0	1.2
Replicate 2		1.2	1.7	1.2	1.7	1.2
Replicate 3		1.2	1.7	1.3	0.8	1.2
Replicate 4		1.2	1.7	1.3	2.5	1.2
TABLE OF A (TIMING) MEANS						
1 28 + 57 DAP	A	1.0 b	2.5 a	1.0 b	1.3 b	1.0 b
2 28 + 57 + 92 DAP	B	1.3 a	3.3 a	1.5 a	3.8 a	1.3 a
LSD P=.10		.	3.76	0.10	1.13	.
Standard Deviation		0.00	3.91	0.10	1.18	0.00
CV		0.00	134.01	8.30	47.14	0.00
TABLE OF B (RATE) MEANS						
1 NO HERBICIDE (NTC)		1.0 b	0.0 a	1.0 c	0.0 b	1.0 b
2 ROUNDUP PMAX	5.5 SL 0.64 oz/a	1.3 a	5.0 a	1.4 a	4.4 a	1.3 a
2 XTENDIMAX	2.9 SL 0.44 oz/a					
3 ROUNDUP PMAX	5.5 SL 0.32 oz/a	1.3 a	3.8 a	1.3 b	3.1 a	1.3 a
3 XTENDIMAX	2.9 SL 0.22 oz/a					
LSD P=.10		.	4.43	0.10	3.08	.
Standard Deviation		0.00	4.56	0.10	3.17	0.00
CV		0.00	156.49	8.30	126.93	0.00
TABLE OF A (TIMING) B (RATE) MEANS						
1 28 + 57 DAP	A	1.0 b	0.0 c	1.0 c	0.0 d	1.0 b
1 NO HERBICIDE (NTC)						
2 28 + 57 + 92 DAP	B	1.0 b	0.0 c	1.0 c	0.0 d	1.0 b
2 NO HERBICIDE (NTC)						
1 28 + 57 DAP	A	1.0 b	2.5 bc	1.0 c	1.3 cd	1.0 b
2 ROUNDUP PMAX	5.5 SL 0.64 oz/a					
2 XTENDIMAX	2.9 SL 0.44 oz/a					
2 28 + 57 + 92 DAP	B	1.5 a	7.5 a	1.9 a	7.5 a	1.5 a
2 ROUNDUP PMAX	5.5 SL 0.64 oz/a					
2 XTENDIMAX	2.9 SL 0.44 oz/a					
1 28 + 57 DAP	A	1.0 b	5.0 ab	1.0 c	2.5 bc	1.0 b
3 ROUNDUP PMAX	5.5 SL 0.32 oz/a					
3 XTENDIMAX	2.9 SL 0.22 oz/a					
2 28 + 57 + 92 DAP	B	1.5 a	2.5 bc	1.5 b	3.8 b	1.5 a
3 ROUNDUP PMAX	5.5 SL 0.32 oz/a					
3 XTENDIMAX	2.9 SL 0.22 oz/a					
LSD P=.10		.	3.62	0.14	2.14	.
Standard Deviation		0.00	2.64	0.10	1.56	0.00
CV		0.00	90.35	8.30	62.36	0.00

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.

University of Georgia

PEANUT RESPONSE TO ROUNDUP + XTENDIMAX AT LOW RATES MULTIPLE EVENTS - YEAR 2						
Trial ID: PE-09-20		Study Dir.: Eric P. Prostko				
Location: PONDER FARM		Investigator: Eric P. Prostko				
Weed Code	-----	-----	-----	-----	-----	-----
Crop Code	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY
Part Rated	DIRTY -	CLEAN -	CLEAN -	YIELD -	100 -	ABNORM -
Rating Data Type	YIELD	YIELD	YIELD	LOSS	PODS	PODS
Rating Unit	LBS/PLOT	LBS/PLOT	LBS/A	PERCENT	GRAMS	PERCENT
Rating Date	Oct-1-20	Oct-1-20	Oct-1-20	Oct-1-20		
PRM Data Type	T1	TY2				
# Subsamples, Dec.	- 1	- 0				
Trt Treatment	Form Form	Rate Appl				
No. Name	Conc Type Rate Unit Code					
	21	22	23	24	25	26
TABLE OF R MEANS						
Replicate 1	17.92	17.6	4969	5.77	150.5	10.2
Replicate 2	17.62	17.3	4885	6.00	148.0	8.0
Replicate 3	18.15	17.8	5033	5.08	149.2	10.2
Replicate 4	17.80	17.4	4936	5.18	150.7	9.3
TABLE OF A (TIMING) MEANS						
1 28 + 57 DAP	A	17.98 a	17.6 a	4987 a	3.28 a	149.8 a
2 28 + 57 + 92 DAP	B	17.76 a	17.4 a	4925 a	7.73 a	149.3 a
LSD P=.10		1.027	1.01	284.8	8.543	10.32
Standard Deviation		1.069	1.05	296.4	8.892	10.74
CV		5.981	5.98	6.0	161.425	7.18
TABLE OF B (RATE) MEANS						
1 NO HERBICIDE (NTC)		18.61 a	18.2 a	5162 a	0.00 b	153.1 a
2 ROUNDUP PMAX	5.5 SL 0.64 oz/a	17.14 a	16.8 a	4753 a	10.34 a	149.8 ab
2 XTENDIMAX	2.9 SL 0.44 oz/a					
3 ROUNDUP PMAX	5.5 SL 0.32 oz/a	17.86 a	17.5 a	4954 a	6.19 a	145.9 b
3 XTENDIMAX	2.9 SL 0.22 oz/a					
LSD P=.10		1.420	1.39	393.9	5.334	5.08
Standard Deviation		1.462	1.43	405.4	5.490	5.23
CV		8.181	8.18	8.2	99.659	3.50
TABLE OF A (TIMING) B (RATE) MEANS						
1 28 + 57 DAP	A	18.10 a	17.7 a	5019 a	0.00 a	154.8 a
1 NO HERBICIDE (NTC)						
2 28 + 57 + 92 DAP	B	19.13 a	18.7 a	5304 a	0.00 a	151.5 a
1 NO HERBICIDE (NTC)						
1 28 + 57 DAP	A	18.10 a	17.7 a	5019 a	4.88 a	150.5 a
2 ROUNDUP PMAX	5.5 SL 0.64 oz/a					
2 XTENDIMAX	2.9 SL 0.44 oz/a					
2 28 + 57 + 92 DAP	B	16.18 a	15.9 a	4486 a	15.80 a	149.0 a
2 ROUNDUP PMAX	5.5 SL 0.64 oz/a					
2 XTENDIMAX	2.9 SL 0.44 oz/a					
1 28 + 57 DAP	A	17.75 a	17.4 a	4922 a	4.98 a	144.3 a
3 ROUNDUP PMAX	5.5 SL 0.32 oz/a					
3 XTENDIMAX	2.9 SL 0.22 oz/a					
2 28 + 57 + 92 DAP	B	17.98 a	17.6 a	4985 a	7.40 a	147.5 a
3 ROUNDUP PMAX	5.5 SL 0.32 oz/a					
3 XTENDIMAX	2.9 SL 0.22 oz/a					
LSD P=.10		3.052	2.99	846.4	10.030	8.94
Standard Deviation		2.221	2.18	616.0	7.300	6.51
CV		12.429	12.43	12.4	132.519	4.35

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 ROUNDUP + XTENDIMAX AT LOW RATES									
MULTIPLE EVENTS - YEAR 2									
Trial ID:		PE-09-20		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.									
Trt Treatment	Form	Form	Rate	Appl					
No. Name	Conc	Type	Rate	Unit	Code				
						27	28	29	30
TABLE OF R MEANS									
Replicate 1						71.5	3.3	74.8	2.8
Replicate 2						70.5	3.2	73.7	3.0
Replicate 3						70.7	3.3	74.0	3.3
Replicate 4						70.0	2.8	72.8	3.5
TABLE OF A (TIMING) MEANS									
1 28 + 57 DAP						A	71.7 a	3.0 a	74.7 a
2 28 + 57 + 92 DAP						B	69.7 a	3.3 a	73.0 a
LSD P=.10							4.16	0.85	3.78
Standard Deviation							4.33	0.88	3.93
CV							6.13	27.85	5.32
TABLE OF B (RATE) MEANS									
1 NO HERBICIDE (NTC)							71.3 a	3.0 a	74.3 a
2 ROUNDUP PMAX						5.5 SL	70.1 a	3.5 a	73.6 a
2 XTENDIMAX						2.9 SL			
3 ROUNDUP PMAX						5.5 SL	70.6 a	3.0 a	73.6 a
3 XTENDIMAX						2.9 SL			
LSD P=.10							3.10	0.69	2.89
Standard Deviation							3.20	0.71	2.97
CV							4.52	22.33	4.02
TABLE OF A (TIMING) B (RATE) MEANS									
1 28 + 57 DAP						A	71.8 a	2.8 a	74.5 a
1 NO HERBICIDE (NTC)									
2 28 + 57 + 92 DAP						B	70.8 a	3.3 a	74.0 a
1 NO HERBICIDE (NTC)									
1 28 + 57 DAP						A	71.0 a	3.5 a	74.5 a
2 ROUNDUP PMAX						5.5 SL			
2 XTENDIMAX						2.9 SL			
2 28 + 57 + 92 DAP						B	69.3 a	3.5 a	72.8 a
2 ROUNDUP PMAX						5.5 SL			
2 XTENDIMAX						2.9 SL			
1 28 + 57 DAP						A	72.3 a	2.8 a	75.0 a
3 ROUNDUP PMAX						5.5 SL			
3 XTENDIMAX						2.9 SL			
2 28 + 57 + 92 DAP						B	69.0 a	3.3 a	72.3 a
3 ROUNDUP PMAX						5.5 SL			
3 XTENDIMAX						2.9 SL			
LSD P=.10							4.06	1.21	4.27
Standard Deviation							2.96	0.88	3.11
CV							4.18	27.85	4.21

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

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PEANUT RESPONSE TO ROUNDUP + XTENDIMAX AT LOW RATES						
MULTIPLE EVENTS - YEAR 2						
Trial ID:	PE-09-20	Study Dir.:				
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
COMPLETE FACTORIAL AOV For Arahy Plant Stunting Percent Jun-1-20 (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	198.958333				
R	3	28.125000	9.375000	1.286	0.3617	
A	1	1.041667	1.041667	0.059	0.8240	4.0
RA	3	53.125000	17.708333			
B	2	14.583333	7.291667	1.000	0.4219	2.6
RB	6	43.750000	7.291667			
AB	2	14.583333	7.291667	1.000	0.4219	3.7
RAB	6	43.750000	7.291667			
COMPLETE FACTORIAL AOV For Arahy Plant Dicamba 1-5 Jun-1-20 1 (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	10.989583				
R	3	0.281250	0.093750	0.574	0.6525	
A	1	0.010417	0.010417	0.086	0.7888	0.3
RA	3	0.364583	0.121528			
B	2	9.020833	4.510417	86.600	0.0001	0.2
RB	6	0.312500	0.052083			
AB	2	0.020833	0.010417	0.064	0.9388	0.6
RAB	6	0.979167	0.163194			
COMPLETE FACTORIAL AOV For Arahy Plant Stuntin Percent Jun-9-20 (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	845.833333				
R	3	20.833333	6.944444	0.417	0.7476	
A	1	4.166667	4.166667	0.333	0.6042	3.4
RA	3	37.500000	12.500000			
B	2	658.333333	329.166667	118.500	0.0001	1.6
RB	6	16.666667	2.777778			
AB	2	8.333333	4.166667	0.250	0.7865	5.6
RAB	6	100.000000	16.666667			
COMPLETE FACTORIAL AOV For Araht Plant Dicamba 1-5 Jun-9-20 1 (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	15.333333				
R	3	0.000000	0.000000	0.000	1.0000	
A	1	0.041667	0.041667	1.000	0.3910	0.2
RA	3	0.125000	0.041667			
B	2	14.583333	7.291667	175.000	0.0001	0.2
RB	6	0.250000	0.041667			
AB	2	0.083333	0.041667	1.000	0.4219	0.3
RAB	6	0.250000	0.041667			
COMPLETE FACTORIAL AOV For ---- Arahy Plant Stunting Percent Jun-29-20 (Data Column 5)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	615.625000				
R	3	19.791667	6.597222	0.487	0.7036	
A	1	26.041667	26.041667	1.471	0.3120	4.0
RA	3	53.125000	17.708333			
B	2	268.750000	134.375000	5.776	0.0399	4.7
RB	6	139.583333	23.263889			
AB	2	27.083333	13.541667	1.000	0.4219	5.1
RAB	6	81.250000	13.541667			
COMPLETE FACTORIAL AOV For ---- Arahy Plant Dicamba 1-5 Jun-29-20 1 (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	3.739583				
R	3	0.031250	0.010417	1.000	0.4547	
A	1	0.010417	0.010417	1.000	0.3910	0.1
RA	3	0.031250	0.010417			
B	2	3.520833	1.760417	169.000	0.0001	0.1
RB	6	0.062500	0.010417			
AB	2	0.020833	0.010417	1.000	0.4219	0.1
RAB	6	0.062500	0.010417			

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PEANUT RESPONSE TO ROUNDUP + XTENDIMAX AT LOW RATES						
MULTIPLE EVENTS - YEAR 2						
Trial ID:	PE-09-20	Study Dir.:				
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
COMPLETE FACTORIAL AOV For ---- Arahya Plant Lapping Percent Jun-29-20 (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	1783.333333				
R	3	108.333333	36.111111	0.623	0.6258	
A	1	37.500000	37.500000	0.303	0.6201	10.7
RA	3	370.833333	123.611111			
B	2	777.083333	388.541667	23.809	0.0014	3.9
RB	6	97.916667	16.319444			
AB	2	43.750000	21.875000	0.377	0.7009	10.5
RAB	6	347.916667	57.986111			
COMPLETE FACTORIAL AOV For ----- Arahya Stunting Percent Jul-23-20 (Data Column 8)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	483.333333				
R	3	91.666667	30.555556	4.400	0.0584	
A	1	4.166667	4.166667	0.600	0.4950	2.5
RA	3	20.833333	6.944444			
B	2	133.333333	66.666667	3.000	0.1250	4.6
RB	6	133.333333	22.222222			
AB	2	58.333333	29.166667	4.200	0.0723	3.6
RAB	6	41.666667	6.944444			
COMPLETE FACTORIAL AOV For ----- Arahya Dicamba 1-5 Jul-23-20 1 (Data Column 9)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	0.000000				
R	3	0.000000	0.000000	0.000	1.0000	
A	1	0.000000	0.000000	0.000	1.0000	.
RA	3	0.000000	0.000000			
B	2	0.000000	0.000000	0.000	1.0000	.
RB	6	0.000000	0.000000			
AB	2	0.000000	0.000000	0.000	1.0000	.
RAB	6	0.000000	0.000000			
COMPLETE FACTORIAL AOV For ---- Arahya Ht1 In Aug-3-20 (Data Column 10)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	46.625000				
R	3	4.791667	1.597222	1.065	0.4312	
A	1	0.375000	0.375000	0.529	0.5195	0.8
RA	3	2.125000	0.708333			
B	2	7.000000	3.500000	1.465	0.3033	1.5
RB	6	14.333333	2.388889			
AB	2	9.000000	4.500000	3.000	0.1250	1.7
RAB	6	9.000000	1.500000			
COMPLETE FACTORIAL AOV For ---- Arahya Ht2 In Aug-3-20 (Data Column 11)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	60.000000				
R	3	2.000000	0.666667	0.230	0.8726	
A	1	6.000000	6.000000	3.375	0.1635	1.3
RA	3	5.333333	1.777778			
B	2	9.750000	4.875000	1.800	0.2441	1.6
RB	6	16.250000	2.708333			
AB	2	3.250000	1.625000	0.560	0.5985	2.3
RAB	6	17.416667	2.902778			
COMPLETE FACTORIAL AOV For ---- Arahya Ht3 In Aug-3-20 (Data Column 12)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	54.500000				
R	3	1.833333	0.611111	1.023	0.4461	
A	1	2.666667	2.666667	1.200	0.3534	1.4
RA	3	6.666667	2.222222			
B	2	27.250000	13.625000	8.681	0.0169	1.2
RB	6	9.416667	1.569444			
AB	2	3.083333	1.541667	2.581	0.1553	1.1
RAB	6	3.583333	0.597222			

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PEANUT RESPONSE TO ROUNDUP + XTENDIMAX AT LOW RATES						
MULTIPLE EVENTS - YEAR 2						
Trial ID:	PE-09-20	Study Dir.:				
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
COMPLETE FACTORIAL AOV For ---- Arahyt4 In Aug-3-20 (Data Column 13)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	52.625000				
R	3	1.791667	0.597222	0.328	0.8056	
A	1	0.375000	0.375000	0.252	0.6500	1.2
RA	3	4.458333	1.486111			
B	2	10.750000	5.375000	2.374	0.1739	1.5
RB	6	13.583333	2.263889			
AB	2	10.750000	5.375000	2.954	0.1279	1.9
RAB	6	10.916667	1.819444			
COMPLETE FACTORIAL AOV For ---- Arahyt5 In Aug-3-20 (Data Column 14)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	26.958333				
R	3	7.125000	2.375000	2.280	0.1795	
A	1	0.375000	0.375000	0.529	0.5195	0.8
RA	3	2.125000	0.708333			
B	2	2.583333	1.291667	1.148	0.3783	1.0
RB	6	6.750000	1.125000			
AB	2	1.750000	0.875000	0.840	0.4768	1.4
RAB	6	6.250000	1.041667			
COMPLETE FACTORIAL AOV For ---- Arahyt Plant Dicamba 1-5 Aug-3-20 1 (Data Column 15)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	1.333333				
R	3	0.000000	0.000000	0.000	1.0000	
A	1	0.666667	0.666667	0.000	1.0000	.
RA	3	0.000000	0.000000			
B	2	0.333333	0.166667	0.000	1.0000	.
RB	6	0.000000	0.000000			
AB	2	0.333333	0.166667	0.000	1.0000	.
RAB	6	0.000000	0.000000			
COMPLETE FACTORIAL AOV For Arahyt Plant Stunting Percent Aug-12-20 (Data Column 16)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	495.833333				
R	3	112.500000	37.500000	5.400	0.0385	
A	1	4.166667	4.166667	0.273	0.6376	3.8
RA	3	45.833333	15.277778			
B	2	108.333333	54.166667	2.600	0.1537	4.4
RB	6	125.000000	20.833333			
AB	2	58.333333	29.166667	4.200	0.0723	3.6
RAB	6	41.666667	6.944444			
COMPLETE FACTORIAL AOV For Arahyt Leaf Dicamba 1-5 Aug-12-20 1 (Data Column 17)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	2.989583				
R	3	0.031250	0.010417	1.000	0.4547	
A	1	1.260417	1.260417	121.000	0.0016	0.1
RA	3	0.031250	0.010417			
B	2	0.770833	0.385417	37.000	0.0004	0.1
RB	6	0.062500	0.010417			
AB	2	0.770833	0.385417	37.000	0.0004	0.1
RAB	6	0.062500	0.010417			
COMPLETE FACTORIAL AOV For ---- Arahyt Plant Stunting Percent Aug-31-20 (Data Column 18)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	300.000000				
R	3	58.333333	19.444444	8.000	0.0161	
A	1	37.500000	37.500000	27.000	0.0138	1.1
RA	3	4.166667	1.388889			
B	2	81.250000	40.625000	4.034	0.0776	3.1
RB	6	60.416667	10.069444			
AB	2	43.750000	21.875000	9.000	0.0156	2.1
RAB	6	14.583333	2.430556			

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University of Georgia

PEANUT RESPONSE TO ROUNDUP + XTENDIMAX AT LOW RATES						
MULTIPLE EVENTS - YEAR 2						
Trial ID:	PE-09-20	Study Dir.:				
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
COMPLETE FACTORIAL AOV For ---- Arahya Plant Dicamba 1-5 Aug-31-20 1 (Data Column 19)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	1.333333				
R	3	0.000000	0.000000	0.000	1.0000	
A	1	0.666667	0.666667	0.000	1.0000	
RA	3	0.000000	0.000000			
B	2	0.333333	0.166667	0.000	1.0000	
RB	6	0.000000	0.000000			
AB	2	0.333333	0.166667	0.000	1.0000	
RAB	6	0.000000	0.000000			
COMPLETE FACTORIAL AOV For ----- Arahya Leaf Spot 1-10 Sep-2-20 1 (Data Column 20)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	1.833333				
R	3	0.083333	0.027778	0.178	0.9077	
A	1	0.000000	0.000000	0.000	1.0000	0.3
RA	3	0.250000	0.083333			
B	2	0.020833	0.010417	0.130	0.8801	0.3
RB	6	0.479167	0.079861			
AB	2	0.062500	0.031250	0.200	0.8240	0.5
RAB	6	0.937500	0.156250			
COMPLETE FACTORIAL AOV For ----- ARAHY DIRTY YIELD LBS/PLOT Oct-1-20 (Data Column 21)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	65.069583				
R	3	0.897917	0.299306	0.061	0.9787	
A	1	0.303750	0.303750	0.266	0.6417	1.03
RA	3	3.427917	1.142639			
B	2	8.703333	4.351667	2.036	0.2114	1.42
RB	6	12.823333	2.137222			
AB	2	9.310000	4.655000	0.943	0.4403	3.05
RAB	6	29.603333	4.933889			
COMPLETE FACTORIAL AOV For ----- ARAHY CLEAN YIELD LBS/PLOT Oct-1-20 T1 1 (Data Column 22)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	62.492828				
R	3	0.862359	0.287453	0.061	0.9787	
A	1	0.291722	0.291722	0.266	0.6417	1.0
RA	3	3.292171	1.097390			
B	2	8.358681	4.179341	2.036	0.2114	1.4
RB	6	12.315529	2.052588			
AB	2	8.941324	4.470662	0.943	0.4403	3.0
RAB	6	28.431041	4.738507			
COMPLETE FACTORIAL AOV For ----- ARAHY CLEAN YIELD LBS/A Oct-1-20 TY2 0 (Data Column 23)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	5004234.715662				
R	3	69055.087261	23018.362420	0.061	0.9787	
A	1	23360.166410	23360.166410	0.266	0.6417	285
RA	3	263627.008304	87875.669435			
B	2	669337.662507	334668.831254	2.036	0.2114	394
RB	6	986189.960806	164364.993468			
AB	2	715993.907079	357996.953539	0.943	0.4403	846
RAB	6	2276670.923296	379445.153883			
COMPLETE FACTORIAL AOV For ----- ARAHY YIELD LOSS PERCENT Oct-1-20 (Data Column 24)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	1424.738333				
R	3	3.568333	1.189444	0.022	0.9950	
A	1	118.815000	118.815000	1.503	0.3077	8.54
RA	3	237.195000	79.065000			
B	2	432.990833	216.495417	7.184	0.0256	5.33
RB	6	180.809167	30.134861			
AB	2	131.657500	65.828750	1.235	0.3554	10.03
RAB	6	319.702500	53.283750			

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 ROUNDUP + XTENDIMAX AT LOW RATES						
MULTIPLE EVENTS - YEAR 2						
Trial ID:	PE-09-20	Study Dir.:				
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
COMPLETE FACTORIAL AOV For ---- ARAHY 100 PODS GRAMS (Data Column 25)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	1049.833333				
R	3	28.166667	9.388889	0.222	0.8780	
A	1	1.500000	1.500000	0.013	0.9164	10.3
RA	3	346.166667	115.388889			
B	2	210.583333	105.291667	3.850	0.0840	5.1
RB	6	164.083333	27.347222			
AB	2	45.250000	22.625000	0.534	0.6116	8.9
RAB	6	254.083333	42.347222			
COMPLETE FACTORIAL AOV For ----- ARAHY ABNORM PODS PERCENT (Data Column 26)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	597.833333				
R	3	18.833333	6.277778	0.271	0.8443	
A	1	1.500000	1.500000	0.197	0.6872	2.7
RA	3	22.833333	7.611111			
B	2	87.583333	43.791667	1.395	0.3181	5.4
RB	6	188.416667	31.402778			
AB	2	139.750000	69.875000	3.018	0.1239	6.6
RAB	6	138.916667	23.152778			
COMPLETE FACTORIAL AOV For ----- ARAHY GRADE SMKRS PERCENT (Data Column 27)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	211.333333				
R	3	7.000000	2.333333	0.267	0.8470	
A	1	24.000000	24.000000	1.278	0.3405	4.2
RA	3	56.333333	18.777778			
B	2	5.083333	2.541667	0.249	0.7873	3.1
RB	6	61.250000	10.208333			
AB	2	5.250000	2.625000	0.300	0.7510	4.1
RAB	6	52.416667	8.736111			
COMPLETE FACTORIAL AOV For ----- ARAHY GRADE C SS PERCENT (Data Column 28)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	13.333333				
R	3	1.000000	0.333333	0.429	0.7400	
A	1	0.666667	0.666667	0.857	0.4228	0.8
RA	3	2.333333	0.777778			
B	2	1.333333	0.666667	1.333	0.3318	0.7
RB	6	3.000000	0.500000			
AB	2	0.333333	0.166667	0.214	0.8130	1.2
RAB	6	4.666667	0.777778			
COMPLETE FACTORIAL AOV For ----- ARAHY GRADE TSMK PERCENT (Data Column 29)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	193.333333				
R	3	12.333333	4.111111	0.426	0.7417	
A	1	16.666667	16.666667	1.079	0.3753	3.8
RA	3	46.333333	15.444444			
B	2	2.083333	1.041667	0.118	0.8906	2.9
RB	6	52.916667	8.819444			
AB	2	5.083333	2.541667	0.263	0.7769	4.3
RAB	6	57.916667	9.652778			
COMPLETE FACTORIAL AOV For ----- ARAHY GRADE OK PERCENT (Data Column 30)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	23.333333				
R	3	1.666667	0.555556	0.976	0.4640	
A	1	2.666667	2.666667	1.263	0.3429	1.4
RA	3	6.333333	2.111111			
B	2	4.083333	2.041667	2.673	0.1479	0.8
RB	6	4.583333	0.763889			
AB	2	0.583333	0.291667	0.512	0.6232	1.0
RAB	6	3.416667	0.569444			
Part Rated						
Plant = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)						

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 ROUNDUP + XTENDIMAX AT LOW RATES

MULTIPLE EVENTS - YEAR 2

Trial ID: PE-09-20

Study Dir.:

Location: PONDER FARM

Investigator: Eric P. Prostko

Leaf = LEAF / FOLIAGE

C = Crop is Part Rated

PRM Data Type

T1 = [C21]*0.98

TY2 = 282.9787*[22]

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

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

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PEANUT RESPONSE TO ROUNDUP + XTENDIMAX AT LOW RATES

MULTIPLE EVENTS - YEAR 2

Trial ID: PE-09-20 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.						
Trt Treatment	Form Form	Rate Appl				
No. Name	Conc Type	Rate Unit	Code Plot	1	2	3
1 28 + 57 DAP			A 101	0.0	1.0	0.0
NO HERBICIDE (NTC)			202	0.0	1.0	0.0
			301	0.0	1.0	0.0
			404	0.0	1.0	0.0
			Mean =	0.0	1.0	0.0
2 28 + 57 DAP			A 102	10.0	2.0	10.0
ROUNDUP PMAX	5.5 SL	0.64 oz/a	205	0.0	3.0	15.0
XTENDIMAX	2.9 SL	0.44 oz/a	306	0.0	2.0	10.0
			405	0.0	3.0	15.0
			Mean =	2.5	2.5	12.5
3 28 + 57 DAP			A 103	5.0	1.5	10.0
ROUNDUP PMAX	5.5 SL	0.32 oz/a	204	0.0	2.0	0.0
XTENDIMAX	2.9 SL	0.22 oz/a	305	0.0	1.5	5.0
			403	0.0	1.5	5.0
			Mean =	1.3	1.6	5.0
4 28 + 57 + 92 DAP			B 104	0.0	1.0	0.0
NO HERBICIDE (NTC)			206	0.0	1.0	0.0
			303	0.0	1.0	0.0
			401	0.0	1.0	0.0
			Mean =	0.0	1.0	0.0
5 28 + 57 + 92 DAP			B 105	0.0	2.5	15.0
ROUNDUP PMAX	5.5 SL	0.64 oz/a	203	0.0	2.0	15.0
XTENDIMAX	2.9 SL	0.44 oz/a	302	0.0	3.0	10.0
			406	0.0	2.5	10.0
			Mean =	0.0	2.5	12.5
6 28 + 57 + 92 DAP			B 106	0.0	1.5	0.0
ROUNDUP PMAX	5.5 SL	0.32 oz/a	201	10.0	2.0	10.0
XTENDIMAX	2.9 SL	0.22 oz/a	304	0.0	1.5	0.0
			402	0.0	2.0	0.0
			Mean =	2.5	1.8	2.5

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PEANUT RESPONSE TO ROUNDUP + XTENDIMAX AT LOW RATES											
MULTIPLE EVENTS - YEAR 2											
Trial ID:		PE-09-20		Study Dir.:		Eric P. Prostko					
Location:		PONDER FARM		Investigator:		Eric P. Prostko					
Weed Code						----	-----	-----	-----	-----	-----
Crop Code						Arahy	Arahy	Arahy	Arahy	Arahy	Arahy
Part Rated						Plant -					
Rating Data Type						Lapping	Stunting	Dicamba	Ht1	Ht2	Ht3
Rating Unit						Percent	Percent	1-5	In	In	In
Rating Date						Jun-29-20	Jul-23-20	Jul-23-20	Aug-3-20	Aug-3-20	Aug-3-20
PRM Data Type											
# Subsamples, Dec.								- 1			
Trt Treatment		Form Form		Rate Appl							
No. Name		Conc Type Rate Unit Code Plot				7	8	9	10	11	12
1 28 + 57 DAP				A 101		15.0	0.0	1.0	16.0	15.0	16.0
NO HERBICIDE (NTC)				202		5.0	0.0	1.0	13.0	13.0	14.0
				301		25.0	0.0	1.0	16.0	14.0	16.0
				404		10.0	0.0	1.0	14.0	16.0	16.0
				Mean =		13.8	0.0	1.0	14.8	14.5	15.5
2 28 + 57 DAP				A 102		0.0	10.0	1.0	12.0	11.0	12.0
ROUNDUP PMAX		5.5 SL	0.64 oz/a	205		0.0	0.0	1.0	14.0	15.0	12.0
XTENDIMAX		2.9 SL	0.44 oz/a	306		0.0	0.0	1.0	12.0	12.0	13.0
				405		0.0	0.0	1.0	14.0	13.0	15.0
				Mean =		0.0	2.5	1.0	13.0	12.8	13.0
3 28 + 57 DAP				A 103		0.0	10.0	1.0	11.0	13.0	12.0
ROUNDUP PMAX		5.5 SL	0.32 oz/a	204		0.0	0.0	1.0	13.0	15.0	13.0
XTENDIMAX		2.9 SL	0.22 oz/a	305		0.0	5.0	1.0	13.0	13.0	12.0
				403		0.0	10.0	1.0	11.0	12.0	12.0
				Mean =		0.0	6.3	1.0	12.0	13.3	12.3
4 28 + 57 + 92 DAP				B 104		5.0	0.0	1.0	13.0	14.0	15.0
NO HERBICIDE (NTC)				206		30.0	0.0	1.0	11.0	12.0	14.0
				303		5.0	0.0	1.0	13.0	12.0	13.0
				401		15.0	0.0	1.0	15.0	13.0	14.0
				Mean =		13.8	0.0	1.0	13.0	12.8	14.0
5 28 + 57 + 92 DAP				B 105		0.0	10.0	1.0	12.0	12.0	14.0
ROUNDUP PMAX		5.5 SL	0.64 oz/a	203		0.0	10.0	1.0	13.0	10.0	11.0
XTENDIMAX		2.9 SL	0.44 oz/a	302		0.0	10.0	1.0	14.0	13.0	12.0
				406		5.0	0.0	1.0	12.0	11.0	12.0
				Mean =		1.3	7.5	1.0	12.8	11.5	12.3
6 28 + 57 + 92 DAP				B 106		0.0	10.0	1.0	12.0	10.0	13.0
ROUNDUP PMAX		5.5 SL	0.32 oz/a	201		20.0	0.0	1.0	13.0	14.0	14.0
XTENDIMAX		2.9 SL	0.22 oz/a	304		5.0	0.0	1.0	15.0	15.0	12.0
				402		0.0	5.0	1.0	13.0	14.0	11.0
				Mean =		6.3	3.8	1.0	13.3	13.3	12.5

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PEANUT RESPONSE TO ROUNDUP + XTENDIMAX AT LOW RATES												
MULTIPLE EVENTS - YEAR 2												
Trial ID:		PE-09-20		Study Dir.:		Eric P. Prostko						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code						----	----	----	----	----	----	
Crop Code						Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	
Part Rated								Plant -	Plant -	Leaf -	Plant -	
Rating Data Type						Ht4	Ht5	Dicamba	Stunting	Dicamba	Stunting	
Rating Unit						In	In	1-5	Percent	1-5	Percent	
Rating Date						Aug-3-20	Aug-3-20	Aug-3-20	Aug-12-20	Aug-12-20	Aug-31-20	
PRM Data Type												
# Subsamples, Dec.								- 1		- 1		
Trt Treatment		Form Form		Rate Appl								
No. Name		Conc Type		Rate Unit		Code Plot	13	14	15	16	17	18
1 28 + 57 DAP						A 101	14.0	14.0	1.0	0.0	1.0	0.0
NO HERBICIDE (NTC)						202	12.0	13.0	1.0	0.0	1.0	0.0
						301	14.0	14.0	1.0	0.0	1.0	0.0
						404	16.0	12.0	1.0	0.0	1.0	0.0
						Mean =	14.0	13.3	1.0	0.0	1.0	0.0
2 28 + 57 DAP						A 102	12.0	11.0	1.0	10.0	1.0	5.0
ROUNDUP PMAX		5.5 SL	0.64 oz/a			205	13.0	14.0	1.0	0.0	1.0	0.0
XTENDIMAX		2.9 SL	0.44 oz/a			306	14.0	14.0	1.0	0.0	1.0	0.0
						405	13.0	13.0	1.0	0.0	1.0	0.0
						Mean =	13.0	13.0	1.0	2.5	1.0	1.3
3 28 + 57 DAP						A 103	12.0	11.0	1.0	10.0	1.0	5.0
ROUNDUP PMAX		5.5 SL	0.32 oz/a			204	13.0	13.0	1.0	0.0	1.0	0.0
XTENDIMAX		2.9 SL	0.22 oz/a			305	13.0	14.0	1.0	0.0	1.0	0.0
						403	10.0	12.0	1.0	10.0	1.0	5.0
						Mean =	12.0	12.5	1.0	5.0	1.0	2.5
4 28 + 57 + 92 DAP						B 104	12.0	13.0	1.0	0.0	1.0	0.0
NO HERBICIDE (NTC)						206	16.0	14.0	1.0	0.0	1.0	0.0
						303	13.0	14.0	1.0	0.0	1.0	0.0
						401	15.0	14.0	1.0	0.0	1.0	0.0
						Mean =	14.0	13.8	1.0	0.0	1.0	0.0
5 28 + 57 + 92 DAP						B 105	12.0	12.0	1.5	10.0	2.0	10.0
ROUNDUP PMAX		5.5 SL	0.64 oz/a			203	11.0	12.0	1.5	10.0	1.5	10.0
XTENDIMAX		2.9 SL	0.44 oz/a			302	11.0	12.0	1.5	10.0	2.0	5.0
						406	13.0	14.0	1.5	0.0	2.0	5.0
						Mean =	11.8	12.5	1.5	7.5	1.9	7.5
6 28 + 57 + 92 DAP						B 106	14.0	13.0	1.5	10.0	1.5	10.0
ROUNDUP PMAX		5.5 SL	0.32 oz/a			201	15.0	13.0	1.5	0.0	1.5	0.0
XTENDIMAX		2.9 SL	0.22 oz/a			304	14.0	15.0	1.5	0.0	1.5	0.0
						402	13.0	12.0	1.5	0.0	1.5	5.0
						Mean =	14.0	13.3	1.5	2.5	1.5	3.8

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PEANUT RESPONSE TO ROUNDUP + XTENDIMAX AT LOW RATES											
MULTIPLE EVENTS - YEAR 2											
Trial ID:		PE-09-20		Study Dir.:							
Location:		PONDER FARM		Investigator:		Eric P. Prostko					
Weed Code						----	-----	-----	-----	-----	-----
Crop Code						Arahy	Arahy	ARAHY	ARAHY	ARAHY	ARAHY
Part Rated						Plant -	Leaf -	DIRTY -	CLEAN -	CLEAN -	YIELD -
Rating Data Type						Dicamba	Spot	YIELD	YIELD	YIELD	LOSS
Rating Unit						1-5	1-10	LBS/PLOT	LBS/PLOT	LBS/A	PERCENT
Rating Date						Aug-31-20	Sep-2-20	Oct-1-20	Oct-1-20	Oct-1-20	Oct-1-20
PRM Data Type									T1	TY2	
# Subsamples, Dec.						- 1	- 1		- 1	- 0	
Trt	Treatment	Form	Form	Rate	Appl						
No.	Name	Conc	Type	Rate	Unit	Code	Plot	19	20	21	22
1	28 + 57 DAP					A	101	1.0	1.0	18.00	17.6
	NO HERBICIDE (NTC)						202	1.0	1.5	16.00	15.7
							301	1.0	1.0	18.40	18.0
							404	1.0	1.5	20.00	19.6
							Mean =	1.0	1.3	18.10	17.7
2	28 + 57 DAP					A	102	1.0	1.5	16.00	15.7
	ROUNDUP PMAX	5.5 SL		0.64 oz/a			205	1.0	1.5	18.90	18.5
	XTENDIMAX	2.9 SL		0.44 oz/a			306	1.0	1.5	19.20	18.8
							405	1.0	1.0	18.30	17.9
							Mean =	1.0	1.4	18.10	17.7
3	28 + 57 DAP					A	103	1.0	2.0	18.50	18.1
	ROUNDUP PMAX	5.5 SL		0.32 oz/a			204	1.0	1.0	18.00	17.6
	XTENDIMAX	2.9 SL		0.22 oz/a			305	1.0	1.0	17.50	17.2
							403	1.0	1.5	17.00	16.7
							Mean =	1.0	1.4	17.75	17.4
4	28 + 57 + 92 DAP					B	104	1.0	1.5	19.90	19.5
	NO HERBICIDE (NTC)						206	1.0	1.0	20.00	19.6
							303	1.0	1.5	19.50	19.1
							401	1.0	1.5	17.10	16.8
							Mean =	1.0	1.4	19.13	18.7
5	28 + 57 + 92 DAP					B	105	1.5	1.0	17.10	16.8
	ROUNDUP PMAX	5.5 SL		0.64 oz/a			203	1.5	1.0	15.30	15.0
	XTENDIMAX	2.9 SL		0.44 oz/a			302	1.5	1.5	13.70	13.4
							406	1.5	1.5	18.60	18.2
							Mean =	1.5	1.3	16.18	15.9
6	28 + 57 + 92 DAP					B	106	1.5	1.5	18.00	17.6
	ROUNDUP PMAX	5.5 SL		0.32 oz/a			201	1.5	1.5	17.50	17.2
	XTENDIMAX	2.9 SL		0.22 oz/a			304	1.5	1.5	20.60	20.2
							402	1.5	1.0	15.80	15.5
							Mean =	1.5	1.4	17.98	17.6

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PEANUT RESPONSE TO ROUNDUP + XTENDIMAX AT LOW RATES													
MULTIPLE EVENTS - YEAR 2													
Trial ID:		PE-09-20		Study Dir.:		Eric P. Prostko							
Location:		PONDER FARM		Investigator:									
Weed Code						----	----	----	----	----	----		
Crop Code						ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY		
Part Rated						100 -	ABNORM -	GRADE -	GRADE C	GRADE -	GRADE -		
Rating Data Type						PODS	PODS	SMKRS	SS	TSMK	OK		
Rating Unit						GRAMS	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT		
Rating Date													
PRM Data Type													
# Subsamples, Dec.													
Trt	Treatment	Form	Form	Rate	Appl								
No.	Name	Conc	Type	Rate	Unit	Code	Plot	25	26	27	28	29	30
1	28 + 57 DAP					A	101	164.0	6.0	73.0	3.0	76.0	2.0
	NO HERBICIDE (NTC)						202	142.0	2.0	67.0	3.0	70.0	3.0
							301	161.0	7.0	73.0	3.0	76.0	2.0
							404	152.0	0.0	74.0	2.0	76.0	3.0
							Mean =	154.8	3.8	71.8	2.8	74.5	2.5
2	28 + 57 DAP					A	102	152.0	12.0	70.0	4.0	74.0	2.0
	ROUNDUP PMAX	5.5 SL		0.64 oz/a			205	146.0	12.0	71.0	3.0	74.0	4.0
	XTENDIMAX	2.9 SL		0.44 oz/a			306	158.0	2.0	71.0	4.0	75.0	4.0
							405	146.0	16.0	72.0	3.0	75.0	3.0
							Mean =	150.5	10.5	71.0	3.5	74.5	3.3
3	28 + 57 DAP					A	103	148.0	10.0	73.0	4.0	77.0	2.0
	ROUNDUP PMAX	5.5 SL		0.32 oz/a			204	143.0	11.0	70.0	3.0	73.0	3.0
	XTENDIMAX	2.9 SL		0.22 oz/a			305	140.0	17.0	73.0	2.0	75.0	4.0
							403	146.0	15.0	73.0	2.0	75.0	2.0
							Mean =	144.3	13.3	72.3	2.8	75.0	2.8
4	28 + 57 + 92 DAP					B	104	145.0	6.0	70.0	3.0	73.0	4.0
	NO HERBICIDE (NTC)						206	160.0	9.0	72.0	4.0	76.0	2.0
							303	150.0	13.0	70.0	4.0	74.0	2.0
							401	151.0	11.0	71.0	2.0	73.0	3.0
							Mean =	151.5	9.8	70.8	3.3	74.0	2.8
5	28 + 57 + 92 DAP					B	105	146.0	20.0	73.0	3.0	76.0	3.0
	ROUNDUP PMAX	5.5 SL		0.64 oz/a			203	155.0	5.0	71.0	4.0	75.0	3.0
	XTENDIMAX	2.9 SL		0.44 oz/a			302	144.0	10.0	64.0	3.0	67.0	5.0
							406	151.0	12.0	69.0	4.0	73.0	5.0
							Mean =	149.0	11.8	69.3	3.5	72.8	4.0
6	28 + 57 + 92 DAP					B	106	148.0	7.0	70.0	3.0	73.0	4.0
	ROUNDUP PMAX	5.5 SL		0.32 oz/a			201	142.0	9.0	72.0	2.0	74.0	3.0
	XTENDIMAX	2.9 SL		0.22 oz/a			304	142.0	12.0	73.0	4.0	77.0	3.0
							402	158.0	2.0	61.0	4.0	65.0	5.0
							Mean =	147.5	7.5	69.0	3.3	72.3	3.8

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PEANUT RESPONSE TO ROUNDUP + XTENDIMAX AT LOW RATES

MULTIPLE EVENTS - YEAR 2

Trial ID: PE-09-20 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Part Rated

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

Leaf = LEAF / FOLIAGE

C = Crop is Part Rated

PRM Data Type

T1 = [C21]*0.98

TY2 = 282.9787*[22]