

# University of Georgia

<b>PEANUT RESPONSE TO ROUNDUP + XTENDIMAX AT LOW RATES</b>			
<b>MULTIPLE EVENTS</b>			
Trial ID:	PE-06-19	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	Amt Product to Measure	Diluent	Rep			
								1	2	3	4
1	30 + 57 DAP NO HERBICIDE (NTC)						-	101	202	301	404
2	30 + 57 DAP ROUNDUP PMAX XTENDIMAX	5.5 2.9	SL SL	0.64 0.44	oz/a oz/a	0.4999 mL/mx 0.3437 mL/mx	1499.2 mL	102	205	306	405
3	30 + 57 DAP ROUNDUP PMAX XTENDIMAX	5.5 2.9	SL SL	0.32 0.22	oz/a oz/a	0.25 mL/mx 0.1719 mL/mx	1499.6 mL	103	204	305	403
4	30 + 57 + 93 DAP NO HERBICIDE (NTC)						-	104	206	303	401
5	30 + 57 + 93 DAP ROUNDUP PMAX XTENDIMAX	5.5 2.9	SL SL	0.64 0.44	oz/a oz/a	0.4999 mL/mx 0.3437 mL/mx	1499.2 mL	105	203	302	406
6	30 + 57 + 93 DAP ROUNDUP PMAX XTENDIMAX	5.5 2.9	SL SL	0.32 0.22	oz/a oz/a	0.25 mL/mx 0.1719 mL/mx	1499.6 mL	106	201	304	402

Sort Order: Treatment

### Trial Comments

RATES ARE EQUIVALENT TO 1/50<sup>th</sup> AND 1/100<sup>th</sup> X RATES

**MAINTAINED WEED-FREE**

STRONGARM @ 0.45 OZ/A + PROWL H20 @ 32 OZ/A - PRE - May 2  
 CADRE 4 OZ/A + DUAL MAGNUM @ 16 OZ/A + ACEPHATE @ 8 OZ/A - POST - MAY 23  
 SELECT MAX @ 16 OZ/A AND ADEPT @ 0.25% V/V - POST - JUNE 4  
 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)

DIGGING DATE: SEPTEMBER 19

HARVEST DATE: SEPTEMBER 25

HARVEST MOISTURE: 6.2%

YIELDS ADJUSTED TO 10%.

2% YIELD DEDUCTION FOR FM (ROCKS, LEAVES, STEMS, ETC.)

**SUMMARY:**

1) GENERALLY, 3 TIMINGS (30 + 57 + 93 DAP) OF ROUNDUP + XTENDIMAX WERE MORE INJURIOUS THAN 2 APPLICATIONS (30 + 57 DAP) AND 1/50<sup>th</sup> RATES WERE MORE INJURIOUS THAN 1/100<sup>th</sup> RATES.

2) FOR PEANUT YIELD, THERE WAS NO INTERACTION BETWEEN TIMING AND RATE (P=0.8684). MAIN EFFECTS OF TIMING AND RATE WERE NOT SIGNIFICANT (P>0.28).

3) THERE WAS NO INTERACTION BETWEEN TIMING AND RATE FOR TOTAL POD #/200 GRAMS (P=0.5719). NEITHER TIMING NOR RATE HAD AN EFFECT ON THE TOTAL NUMBER OF PODS/200 GRAMS (P>0.16).

4) FOR ABNORMAL PODS - %, THERE WAS NO INTERACTION BETWEEN TIMING AND RATE (P=0.9742). TIMING HAD NO EFFECT ON ABNORMAL PODS - % (P=0.2574). ABNORMAL POD - % WAS INCREASED WITH BOTH RATES OF ROUNDUP + XTENDIMAX BUT THEY WERE NOT DIFFERENT FROM EACH OTHER.

5) NO EFFECTS WERE OBSERVED ON SMK-% OR SS-%. HOWEVER, TSMK-% (SMK + SS) WAS REDUCED BY 2.7% WITH THE 1/50<sup>TH</sup> RATE OF ROUNDUP + XTENDIMAX. OK WAS INCREASED BY 0.6% WITH THE 1/50<sup>TH</sup> RATE OF ROUNDUP +

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MULTIPLE EVENTS

Trial ID: PE-06-19 Study Dir.:  
Location: PONDER FARM Investigator: Eric P. Prostko

XTENDIMAX.

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 MULTIPLE EVENTS  
 Trial ID: PE-06-19 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:** 2.0 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

**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:** 94 **% Silt:** 4 **% Clay:** 2  
**pH:** 6.3 **CEC:** 2.6 **Soil Name:** FUQUAY **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:** \_\_\_\_\_

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 MULTIPLE EVENTS  
 Trial ID: PE-06-19 Study Dir.:  
 Location: PONDER FARM Investigator: Eric P. Prostko

APPLICATION DESCRIPTION						
	A	B	C	D	E	F
Application Date:	May-30-19	Jun-26-19	Aug-1-19			
Time of Day:	8:00 AM	7:00 AM	7:45 AM			
Application Method:	BROADCAST	BROADCAST	BROADCAST			
Application Timing:	30 DAP	57 DAP	93 DAP			
Applic. Placement:	FOLIAGE	FOLIAGE	FOLIAGE			
Air Temp., Unit:	71 F	74 F	72 F			
% Relative Humidity:	93	90	87			
Wind Velocity, Unit:	1 MPH	1 MPH	0 MPH			
Dew Presence (Y/N):	Y	Y	Y			
Water Hardness:		--	--			
Soil Temp., Unit:	79 F	81 F	80 F			
Soil Moisture:	OPTIMAL	OPTIMUM	OPTIMUM			
% Cloud Cover:	0	5	0			

CROP STAGE AT EACH APPLICATION						
	A	B	C	D	E	F
Crop 1 Stage:	ARAHY					
Stage Scale:	R1	R4-R5	R6			
Height, Unit:	4 IN	10 IN	18 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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MULTIPLE EVENTS											
Trial ID:	PE-06-19	Study Dir.: Eric P. Prostko									
Location:	PONDER FARM	Investigator: Eric P. Prostko									
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Arahy Dicamb - Injury 1-5	Arahy Stunting Percent	Arahy Dicamb - Injury 1-5	Arahy Stunting Percent	Arahy Dicamb - Injury 1-5	Arahy Stunting Percent	Arahy Dicamb - Injury 1-5
Rating Date					Jun-5-19	Jun-11-19	Jun-11-19	Jun-26-19	Jun-26-19	Jul-8-19	Jul-8-19
PRM Data Type	# Subsamples, Dec.										
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	1	2	3	4	5	6	7
<b>TABLE OF R MEANS</b>											
Replicate 1					2.17	8.3	2.17	3.3	1.0	4.2	2.167
Replicate 2					2.00	6.7	2.08	2.5	1.0	2.5	2.208
Replicate 3					2.17	9.2	2.25	2.5	1.0	2.5	2.208
Replicate 4					2.08	9.2	2.17	0.8	1.0	4.2	2.250
<b>TABLE OF A (TIMING) MEANS</b>											
1 30 + 57 DAP					2.08 -	9.2 a	2.17 -	2.1 -	1.0 -	3.3 -	2.104 b
2 30 + 57 + 93 DAP					2.13 -	7.5 b	2.17 -	2.5 -	1.0 -	3.3 -	2.313 a
LSD P=.10					0.098	1.60	0.160	2.94	.	2.26	0.2041
Standard Deviation					0.102	1.67	0.167	3.06	0.00	2.36	0.2125
CV					4.850	20.00	7.692	133.61	0.00	70.71	9.6208
<b>TABLE OF B (RATE) MEANS</b>											
1 NO HERBICIDE (NTC)					1.00 c	0.0 c	1.00 c	0.0 b	1.0 -	0.0 b	1.000 c
2 ROUNDUP PMAX 2 XTENDIMAX					2.88 a	15.0 a	3.50 a	3.8 a	1.0 -	6.3 a	3.000 a
3 ROUNDUP PMAX 3 XTENDIMAX					2.44 b	10.0 b	2.00 b	3.1 a	1.0 -	3.8 a	2.625 b
LSD P=.10					0.128	2.80	0.162	2.86	.	3.03	0.2142
Standard Deviation					0.132	2.89	0.167	2.95	0.00	3.12	0.2205
CV					6.262	34.64	7.692	128.56	0.00	93.54	9.9840
<b>TABLE OF A (TIMING) B (RATE) MEANS</b>											
1 30 + 57 DAP 1 NO HERBICIDE (NTC)					1.00 -	0.0 d	1.00 -	0.0 -	1.0 -	0.0 -	1.000 -
2 30 + 57 + 93 DAP 1 NO HERBICIDE (NTC)					1.00 -	0.0 d	1.00 -	0.0 -	1.0 -	0.0 -	1.000 -
1 30 + 57 DAP 2 ROUNDUP PMAX 2 XTENDIMAX					2.75 -	15.0 a	3.50 -	3.8 -	1.0 -	7.5 -	2.813 -
2 30 + 57 + 93 DAP 2 ROUNDUP PMAX 2 XTENDIMAX					3.00 -	15.0 a	3.50 -	3.8 -	1.0 -	5.0 -	3.188 -
1 30 + 57 DAP 3 ROUNDUP PMAX 3 XTENDIMAX					2.50 -	12.5 b	2.00 -	2.5 -	1.0 -	2.5 -	2.500 -
2 30 + 57 + 93 DAP 3 ROUNDUP PMAX 3 XTENDIMAX					2.38 -	7.5 c	2.00 -	3.8 -	1.0 -	5.0 -	2.750 -
LSD P=.10					0.243	2.29	0.229	3.14	.	4.28	0.2142
Standard Deviation					0.177	1.67	0.167	2.28	0.00	3.12	0.1559
CV					8.401	20.00	7.692	99.59	0.00	93.54	7.0597

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							
Trial ID:	PE-06-19	Study Dir.:	Eric P. Prostko				
Location:	PONDER FARM	Investigator:	Eric P. Prostko				
Weed Code	Arahy	Arahy	Arahy	Arahy	-----	-----	-----
Crop Code		Dicamb -			ARAHY	ARAHY	ARAHY
Part Rated		Injury			DIRTY -	CLEAN -	CLEAN -
Rating Data Type		1-5			YIELD	YIELD	YIELD
Rating Unit	Stunting		Stunting	Dicamba	LBS/PLOT	LBS/PLOT	LBS/A
	Percent		Percent	1-5			
Rating Date	Jul-22-19	Jul-22-19	Aug-8-19	Aug-8-19	Sep-25-19	Sep-25-19	Sep-25-19
PRM Data Type						T1	TY2
# Subsamples, Dec.				- 2	- 1	- 1	- 0
Trt Treatment	Form Conc	Form Type	Rate Rate				
No. Name			Unit	8	9	10	11
TABLE OF R MEANS							
Replicate 1	3.3	1.583	0.0	1.21	20.1	19.7	5952
Replicate 2	3.3	1.583	0.0	1.17	19.4	19.0	5744
Replicate 3	3.3	1.542	0.8	1.21	19.5	19.1	5779
Replicate 4	2.5	1.625	0.8	1.21	18.1	17.7	5354
TABLE OF A (TIMING) MEANS							
1 30 + 57 DAP	2.9 -	1.542 -	0.8 -	1.17 b	19.2 -	18.8 -	5683 -
2 30 + 57 + 93 DAP	3.3 -	1.625 -	0.0 -	1.23 a	19.3 -	18.9 -	5732 -
LSD P=.10	0.98	0.2118	1.13	0.049	1.58	1.55	469.5
Standard Deviation	1.02	0.2205	1.18	0.051	1.65	1.61	488.7
CV	32.66	13.9250	282.84	4.260	8.56	8.56	8.6
TABLE OF B (RATE) MEANS							
1 NO HERBICIDE (NTC)	0.0 c	1.000 c	0.0 -	1.00 b	20.1 -	19.7 -	5966 -
2 ROUNDUP PMAX	5.5 SL	0.64 oz/a	5.6 a	2.250 a	1.3 -	1.34 a	18.5 -
2 XTENDIMAX	2.9 SL	0.44 oz/a					18.1 -
3 ROUNDUP PMAX	5.5 SL	0.32 oz/a	3.8 b	1.500 b	0.0 -	1.25 a	19.1 -
3 XTENDIMAX	2.9 SL	0.22 oz/a					18.7 -
LSD P=.10	1.72	0.0810	1.15	0.149	1.81	1.78	537.5
Standard Deviation	1.77	0.0833	1.18	0.153	1.87	1.83	553.2
CV	56.57	5.2632	282.84	12.780	9.69	9.69	9.7
TABLE OF A (TIMING) B (RATE) MEANS							
1 30 + 57 DAP	0.0 -	1.000 -	0.0 -	1.00 -	20.2 -	19.8 -	5984 -
1 NO HERBICIDE (NTC)							
2 30 + 57 + 93 DAP	0.0 -	1.000 -	0.0 -	1.00 -	20.1 -	19.6 -	5947 -
1 NO HERBICIDE (NTC)							
1 30 + 57 DAP	6.3 -	2.250 -	2.5 -	1.25 -	18.1 -	17.7 -	5369 -
2 ROUNDUP PMAX	5.5 SL	0.64 oz/a					
2 XTENDIMAX	2.9 SL	0.44 oz/a					
2 30 + 57 + 93 DAP	5.0 -	2.250 -	0.0 -	1.44 -	18.9 -	18.5 -	5598 -
2 ROUNDUP PMAX	5.5 SL	0.64 oz/a					
2 XTENDIMAX	2.9 SL	0.44 oz/a					
1 30 + 57 DAP	2.5 -	1.375 -	0.0 -	1.25 -	19.2 -	18.8 -	5695 -
3 ROUNDUP PMAX	5.5 SL	0.32 oz/a					
3 XTENDIMAX	2.9 SL	0.22 oz/a					
2 30 + 57 + 93 DAP	5.0 -	1.625 -	0.0 -	1.25 -	19.1 -	18.7 -	5650 -
3 ROUNDUP PMAX	5.5 SL	0.32 oz/a					
3 XTENDIMAX	2.9 SL	0.22 oz/a					
LSD P=.10	2.43	0.4128	1.62	0.210	2.69	2.64	799.1
Standard Deviation	1.77	0.3005	1.18	0.153	1.96	1.92	581.6
CV	56.57	18.9766	282.84	12.780	10.19	10.19	10.2

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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MULTIPLE EVENTS						
Trial ID:	PE-06-19	Study Dir.:	Eric P. Prostko			
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
Weed Code	----	----	----	----	----	----
Crop Code	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY
Part Rated	PODS -	PODS -	PODS -	GRADE -	GRADE -	GRADE -
Rating Data Type	TOTAL#	ABNORMAL	ABNORMAL	SMK	SS	TSMK
Rating Unit	#/200 G	#/200 G	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	Oct-31-19	Oct-31-19	Oct-31-19	Oct-30-19	Oct-30-19	Oct-30-19
PRM Data Type			T3			
# Subsamples, Dec.			- 1			
Trt Treatment	Form	Form	Rate			
No. Name	Conc	Type	Rate Unit	15	16	17
				18	19	20
TABLE OF R MEANS						
Replicate 1	129.8	6.0	4.7	64.5	9.7	74.2
Replicate 2	130.8	7.3	5.6	64.3	10.5	74.8
Replicate 3	129.2	7.5	5.8	64.3	10.3	74.7
Replicate 4	132.0	5.0	3.8	64.4	10.4	74.8
TABLE OF A (TIMING) MEANS						
1 30 + 57 DAP	131.8 -	5.9 -	4.5 -	64.8 -	10.0 -	74.8 -
2 30 + 57 + 93 DAP	129.2 -	7.0 -	5.5 -	64.0 -	10.4 -	74.4 -
LSD P=.10	3.35	2.11	1.61	1.26	0.55	1.13
Standard Deviation	3.49	2.20	1.67	1.31	0.58	1.17
CV	2.67	33.99	33.56	2.03	5.65	1.57
TABLE OF B (RATE) MEANS						
1 NO HERBICIDE (NTC)	132.5 -	3.0 b	2.3 b	66.2 -	9.5 -	75.8 a
2 ROUNDUP PMAX	5.5 SL	0.64 oz/a	130.1 -	9.0 a	6.9 a	62.0 -
2 XTENDIMAX	2.9 SL	0.44 oz/a				11.1 -
3 ROUNDUP PMAX	5.5 SL	0.32 oz/a	128.8 -	7.4 a	5.7 a	65.0 -
3 XTENDIMAX	2.9 SL	0.22 oz/a				10.0 -
LSD P=.10	4.85	2.07	1.63	3.54	2.18	1.49
Standard Deviation	4.99	2.13	1.68	3.64	2.24	1.53
CV	3.83	33.00	33.65	5.65	21.95	2.05
TABLE OF A (TIMING) B (RATE) MEANS						
1 30 + 57 DAP	132.5 -	2.3 -	1.7 -	67.8 -	8.8 -	76.5 -
1 NO HERBICIDE (NTC)						
2 30 + 57 + 93 DAP	132.5 -	3.8 -	2.8 -	64.7 -	10.3 -	75.0 -
2 NO HERBICIDE (NTC)						
1 30 + 57 DAP	131.8 -	8.5 -	6.5 -	62.0 -	11.0 -	73.0 -
2 ROUNDUP PMAX	5.5 SL	0.64 oz/a				
2 XTENDIMAX	2.9 SL	0.44 oz/a				
2 30 + 57 + 93 DAP	128.5 -	9.5 -	7.4 -	62.0 -	11.3 -	73.3 -
2 ROUNDUP PMAX	5.5 SL	0.64 oz/a				
2 XTENDIMAX	2.9 SL	0.44 oz/a				
1 30 + 57 DAP	131.0 -	7.0 -	5.3 -	64.8 -	10.3 -	75.0 -
3 ROUNDUP PMAX	5.5 SL	0.32 oz/a				
3 XTENDIMAX	2.9 SL	0.22 oz/a				
2 30 + 57 + 93 DAP	126.5 -	7.8 -	6.2 -	65.3 -	9.8 -	75.0 -
3 ROUNDUP PMAX	5.5 SL	0.32 oz/a				
3 XTENDIMAX	2.9 SL	0.22 oz/a				
LSD P=.10	5.76	2.34	1.67	3.99	3.36	1.00
Standard Deviation	4.19	1.70	1.22	2.65	2.23	0.66
CV	3.21	26.38	24.44	4.11	21.83	0.89

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

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MULTIPLE EVENTS				
Trial ID:	PE-06-19	Study Dir.:	Eric P. Prostko	
Location:	PONDER FARM	Investigator:	Eric P. Prostko	
Weed Code	-----			
Crop Code	ARAHY			
Part Rated	GRADE -			
Rating Data Type	OK			
Rating Unit	PERCENT			
Rating Date	Oct-30-19			
PRM Data Type				
# Subsamples, Dec.				
Trt Treatment	Form Form	Rate		
No. Name	Conc Type	Rate Unit	21	
TABLE OF R MEANS				
Replicate 1	2.8			
Replicate 2	2.3			
Replicate 3	3.0			
Replicate 4	2.4			
TABLE OF A (TIMING) MEANS				
1 30 + 57 DAP	2.5 -			
2 30 + 57 + 93 DAP	2.8 -			
LSD P=.10	0.56			
Standard Deviation	0.58			
CV	21.91			
TABLE OF B (RATE) MEANS				
1 NO HERBICIDE (NTC)	2.5 b			
2 ROUNDUP PMAX	5.5 SL	0.64 oz/a	3.1 a	
2 XTENDIMAX	2.9 SL	0.44 oz/a		
3 ROUNDUP PMAX	5.5 SL	0.32 oz/a	2.4 b	
3 XTENDIMAX	2.9 SL	0.22 oz/a		
LSD P=.10	0.56			
Standard Deviation	0.58			
CV	21.76			
TABLE OF A (TIMING) B (RATE) MEANS				
1 30 + 57 DAP	2.3 -			
1 NO HERBICIDE (NTC)				
2 30 + 57 + 93 DAP	2.7 -			
1 NO HERBICIDE (NTC)				
1 30 + 57 DAP	3.0 -			
2 ROUNDUP PMAX	5.5 SL	0.64 oz/a		
2 XTENDIMAX	2.9 SL	0.44 oz/a		
2 30 + 57 + 93 DAP	3.3 -			
2 ROUNDUP PMAX	5.5 SL	0.64 oz/a		
2 XTENDIMAX	2.9 SL	0.44 oz/a		
1 30 + 57 DAP	2.3 -			
3 ROUNDUP PMAX	5.5 SL	0.32 oz/a		
3 XTENDIMAX	2.9 SL	0.22 oz/a		
2 30 + 57 + 93 DAP	2.5 -			
3 ROUNDUP PMAX	5.5 SL	0.32 oz/a		
3 XTENDIMAX	2.9 SL	0.22 oz/a		
LSD P=.10	0.79			
Standard Deviation	0.53			
CV	19.87			

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			
Trial ID:	PE-06-19	Study Dir.:	
Location:	PONDER FARM	Investigator:	Eric P. Prostko

COMPLETE FACTORIAL AOV For Arahy Dicamb Injury 1-5 Jun-5-19 (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	15.989583				
R	3	0.114583	0.038194	1.222	0.3801	
A	1	0.010417	0.010417	1.000	0.3910	0.10
RA	3	0.031250	0.010417			
B	2	15.395833	7.697917	443.400	0.0001	0.13
RB	6	0.104167	0.017361			
AB	2	0.145833	0.072917	2.333	0.1780	0.24
RAB	6	0.187500	0.031250			

COMPLETE FACTORIAL AOV For Arahy Stunting Percent Jun-11-19 (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	1083.333333				
R	3	25.000000	8.333333	3.000	0.1170	
A	1	16.666667	16.666667	6.000	0.0917	1.6
RA	3	8.333333	2.777778			
B	2	933.333333	466.666667	56.000	0.0001	2.8
RB	6	50.000000	8.333333			
AB	2	33.333333	16.666667	6.000	0.0370	2.3
RAB	6	16.666667	2.777778			

COMPLETE FACTORIAL AOV For Arahy Dicamb Injury 1-5 Jun-11-19 (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	25.833333				
R	3	0.083333	0.027778	1.000	0.4547	
A	1	0.000000	0.000000	0.000	1.0000	0.16
RA	3	0.083333	0.027778			
B	2	25.333333	12.666667	456.000	0.0001	0.16
RB	6	0.166667	0.027778			
AB	2	0.000000	0.000000	0.000	1.0000	0.23
RAB	6	0.166667	0.027778			

COMPLETE FACTORIAL AOV For Arahh Stunting Percent Jun-26-19 (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	198.958333				
R	3	19.791667	6.597222	1.267	0.3671	
A	1	1.041667	1.041667	0.111	0.7608	2.9
RA	3	28.125000	9.375000			
B	2	64.583333	32.291667	3.720	0.0890	2.9
RB	6	52.083333	8.680556			
AB	2	2.083333	1.041667	0.200	0.8240	3.1
RAB	6	31.250000	5.208333			

COMPLETE FACTORIAL AOV For Arahy Dicamb Injury 1-5 Jun-26-19 (Data Column 5)						
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 Arahy Stunting Percent Jul-8-19 (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	333.333333				
R	3	16.666667	5.555556	0.571	0.6542	
A	1	0.000000	0.000000	0.000	1.0000	2.3
RA	3	16.666667	5.555556			
B	2	158.333333	79.166667	8.143	0.0195	3.0
RB	6	58.333333	9.722222			
AB	2	25.000000	12.500000	1.286	0.3430	4.3
RAB	6	58.333333	9.722222			

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			
Trial ID:	PE-06-19	Study Dir.:	
Location:	PONDER FARM	Investigator:	Eric P. Prostko

COMPLETE FACTORIAL AOV For Arahy Dicamb Injury 1-5 Jul-8-19 (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	19.083333				
R	3	0.020833	0.006944	0.286	0.8344	
A	1	0.260417	0.260417	5.769	0.0957	0.204
RA	3	0.135417	0.045139			
B	2	18.083333	9.041667	186.000	0.0001	0.214
RB	6	0.291667	0.048611			
AB	2	0.145833	0.072917	3.000	0.1250	0.214
RAB	6	0.145833	0.024306			

COMPLETE FACTORIAL AOV For Arahy Stunting Percent Jul-22-19 (Data Column 8)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	190.625000				
R	3	3.125000	1.041667	0.333	0.8022	
A	1	1.041667	1.041667	1.000	0.3910	1.0
RA	3	3.125000	1.041667			
B	2	131.250000	65.625000	21.000	0.0020	1.7
RB	6	18.750000	3.125000			
AB	2	14.583333	7.291667	2.333	0.1780	2.4
RAB	6	18.750000	3.125000			

COMPLETE FACTORIAL AOV For Arahy Dicamb Injury 1-5 Jul-22-19 (Data Column 9)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	7.208333				
R	3	0.020833	0.006944	0.077	0.9702	
A	1	0.041667	0.041667	0.857	0.4228	0.212
RA	3	0.145833	0.048611			
B	2	6.333333	3.166667	456.000	0.0001	0.081
RB	6	0.041667	0.006944			
AB	2	0.083333	0.041667	0.462	0.6510	0.413
RAB	6	0.541667	0.090278			

COMPLETE FACTORIAL AOV For Arahy Stunting Percent Aug-8-19 (Data Column 10)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	45.833333				
R	3	4.166667	1.388889	1.000	0.4547	
A	1	4.166667	4.166667	3.000	0.1817	1.1
RA	3	4.166667	1.388889			
B	2	8.333333	4.166667	3.000	0.1250	1.1
RB	6	8.333333	1.388889			
AB	2	8.333333	4.166667	3.000	0.1250	1.6
RAB	6	8.333333	1.388889			

COMPLETE FACTORIAL AOV For Arahy Dicamba 1-5 Aug-8-19 2 (Data Column 11)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	0.872396				
R	3	0.007813	0.002604	0.111	0.9504	
A	1	0.023438	0.023438	9.000	0.0577	0.05
RA	3	0.007813	0.002604			
B	2	0.505208	0.252604	10.778	0.0103	0.15
RB	6	0.140625	0.023438			
AB	2	0.046875	0.023438	1.000	0.4219	0.21
RAB	6	0.140625	0.023438			

COMPLETE FACTORIAL AOV For ----- ARAHY DIRTY YIELD LBS/PLOT Sep-25-19 1 (Data Column 12)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	77.138333				
R	3	13.048333	4.349444	1.131	0.4087	
A	1	0.166667	0.166667	0.061	0.8203	1.6
RA	3	8.143333	2.714444			
B	2	10.725833	5.362917	1.541	0.2882	1.8
RB	6	20.874167	3.479028			
AB	2	1.110833	0.555417	0.144	0.8684	2.7
RAB	6	23.069167	3.844861			

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# University of Georgia

PEANUT RESPONSE TO ROUNDUP + XTENDIMAX AT LOW RATES						
MULTIPLE EVENTS						
Trial ID:	PE-06-19	Study Dir.:				
Location:	PONDER FARM	Investigator:		Eric P. Prostko		
COMPLETE FACTORIAL AOV For ----- ARAHY CLEAN YIELD LBS/PLOT Sep-25-19 T1 1 (Data Column 13)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	74.083655				
R	3	12.531619	4.177206	1.131	0.4087	
A	1	0.160067	0.160067	0.061	0.8203	1.6
RA	3	7.820857	2.606952			
B	2	10.301090	5.150545	1.541	0.2882	1.8
RB	6	20.047550	3.341258			
AB	2	1.066844	0.533422	0.144	0.8684	2.6
RAB	6	22.155628	3.692605			
COMPLETE FACTORIAL AOV For ----- ARAHY CLEAN YIELD LBS/A Sep-25-19 TY2 0 (Data Column 14)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	6786348.977963				
R	3	1147944.734535	382648.244845	1.131	0.4087	
A	1	14662.724927	14662.724927	0.061	0.8203	470
RA	3	716420.739933	238806.913311			
B	2	943619.662677	471809.831338	1.541	0.2882	538
RB	6	1836432.983482	306072.163914			
AB	2	97727.061638	48863.530819	0.144	0.8684	799
RAB	6	2029541.070770	338256.845128			
COMPLETE FACTORIAL AOV For ---- ARAHY PODS TOTAL# #/200 G Oct-31-19 (Data Column 15)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	437.958333				
R	3	27.458333	9.152778	0.521	0.6834	
A	1	40.041667	40.041667	3.295	0.1671	3.3
RA	3	36.458333	12.152778			
B	2	57.583333	28.791667	1.156	0.3761	4.8
RB	6	149.416667	24.902778			
AB	2	21.583333	10.791667	0.614	0.5719	5.8
RAB	6	105.416667	17.569444			
COMPLETE FACTORIAL AOV For ----- ARAHY PODS ABNORMAL #/200 G Oct-31-19 (Data Column 16)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	245.958333				
R	3	25.125000	8.375000	2.885	0.1248	
A	1	7.041667	7.041667	1.461	0.3133	2.1
RA	3	14.458333	4.819444			
B	2	154.083333	77.041667	16.963	0.0034	2.1
RB	6	27.250000	4.541667			
AB	2	0.583333	0.291667	0.100	0.9059	2.3
RAB	6	17.416667	2.902778			
COMPLETE FACTORIAL AOV For ----- ARAHY PODS ABNORMAL PERCENT Oct-31-19 T3 1 (Data Column 17)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	150.785741				
R	3	16.616632	5.538877	3.740	0.0794	
A	1	5.433696	5.433696	1.946	0.2574	1.6
RA	3	8.378733	2.792911			
B	2	94.552405	47.276203	16.844	0.0035	1.6
RB	6	16.840737	2.806790			
AB	2	0.077817	0.038909	0.026	0.9742	1.7
RAB	6	8.885720	1.480953			
COMPLETE FACTORIAL AOV For ----- ARAHY GRADE SMK PERCENT Oct-30-19 (Data Column 18) Missing values in column 18 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	21	207.550926				
R	3	0.125000	0.041667	0.006	0.9993	
A	1	4.449074	4.449074	2.604	0.2050	1.3
RA	3	5.125000	1.708333			
B	2	75.120370	37.560185	2.832	0.1361	3.5
RB	6	79.583333	13.263889			
AB	2	15.064815	7.532407	1.073	0.4236	4.0
RAB	4	28.083333	7.020833			

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# University of Georgia

PEANUT RESPONSE TO ROUNDUP + XTENDIMAX AT LOW RATES			
MULTIPLE EVENTS			
Trial ID:	PE-06-19	Study Dir.:	
Location:	PONDER FARM	Investigator:	Eric P. Prostko

COMPLETE FACTORIAL AOV For ----- ARAHY GRADE SS PERCENT Oct-30-19 (Data Column 19) Missing values in column 19 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	21	69.925926				
R	3	2.555556	0.851852	0.171	0.9107	
A	1	1.185185	1.185185	3.556	0.1558	0.6
RA	3	1.000000	0.333333			
B	2	10.620370	5.310185	1.055	0.4049	2.2
RB	6	30.194444	5.032407			
AB	2	4.453704	2.226852	0.447	0.6679	3.4
RAB	4	19.916667	4.979167			

COMPLETE FACTORIAL AOV For ----- ARAHY GRADE TSMK PERCENT Oct-30-19 (Data Column 20) Missing values in column 20 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	21	55.625000				
R	3	1.791667	0.597222	1.365	0.3735	
A	1	1.041667	1.041667	0.758	0.4481	1.1
RA	3	4.125000	1.375000			
B	2	29.250000	14.625000	6.231	0.0343	1.5
RB	6	14.083333	2.347222			
AB	2	3.583333	1.791667	4.095	0.1077	1.0
RAB	4	1.750000	0.437500			

COMPLETE FACTORIAL AOV For ----- ARAHY GRADE OK PERCENT Oct-30-19 (Data Column 21) Missing values in column 21 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	21	9.217593				
R	3	1.791667	0.597222	2.150	0.2367	
A	1	0.560185	0.560185	1.658	0.2883	0.6
RA	3	1.013889	0.337963			
B	2	2.703704	1.351852	4.056	0.0769	0.6
RB	6	2.000000	0.333333			
AB	2	0.037037	0.018519	0.067	0.9365	0.8
RAB	4	1.111111	0.277778			

PRM Data Type						
T1 = [C12]*0.98						
TY2 = 302.6613*[C13]						
T3 = ([C16]/[C15])*100						

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  
 Trial ID: PE-06-19 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 Dicamb - Injury 1-5 Jun-5-19	Arahy Stunting Percent Jun-11-19	Arahy Dicamb - Injury 1-5 Jun-11-19	Arahh Stunting Percent Jun-26-19	Arahy Dicamb - Injury 1-5 Jun-26-19	Arahy Stunting Percent Jul-8-19	Arahy Dicamb - Injury 1-5 Jul-8-19
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit		Plot	1	2	3	4	5	6	7
1	30 + 57 DAP NO HERBICIDE (NTC)						101	1.00	0.0	1.00	0.0	1.0	0.0	1.000
							202	1.00	0.0	1.00	0.0	1.0	0.0	1.000
							301	1.00	0.0	1.00	0.0	1.0	0.0	1.000
							404	1.00	0.0	1.00	0.0	1.0	0.0	1.000
							Mean =	1.00	0.0	1.00	0.0	1.0	0.0	1.000
2	30 + 57 DAP ROUNDUP PMAX XTENDIMAX	5.5 SL 2.9 SL		0.64 oz/a 0.44 oz/a			102 205 306 405	3.00 2.50 3.00 2.50	15.0 15.0 15.0 15.0	3.50 3.50 3.50 3.50	5.0 5.0 5.0 0.0	1.0 1.0 1.0 1.0	10.0 5.0 5.0 10.0	3.000 2.750 2.500 3.000
							Mean =	2.75	15.0	3.50	3.8	1.0	7.5	2.813
3	30 + 57 DAP ROUNDUP PMAX XTENDIMAX	5.5 SL 2.9 SL		0.32 oz/a 0.22 oz/a			103 204 305 403	2.50 2.50 2.50 2.50	10.0 10.0 15.0 15.0	2.00 2.00 2.00 2.00	0.0 5.0 5.0 0.0	1.0 1.0 1.0 1.0	0.0 5.0 5.0 0.0	2.500 2.500 2.500 2.500
							Mean =	2.50	12.5	2.00	2.5	1.0	2.5	2.500
4	30 + 57 + 93 DAP NO HERBICIDE (NTC)						104 206 303 401	1.00 1.00 1.00 1.00	0.0 0.0 0.0 0.0	1.00 1.00 1.00 1.00	0.0 0.0 0.0 0.0	1.0 1.0 1.0 1.0	0.0 0.0 0.0 0.0	1.000 1.000 1.000 1.000
							Mean =	1.00	0.0	1.00	0.0	1.0	0.0	1.000
5	30 + 57 + 93 DAP ROUNDUP PMAX XTENDIMAX	5.5 SL 2.9 SL		0.64 oz/a 0.44 oz/a			105 203 302 406	3.00 3.00 3.00 3.00	15.0 15.0 15.0 15.0	3.50 3.50 3.50 3.50	10.0 5.0 0.0 0.0	1.0 1.0 1.0 1.0	5.0 5.0 0.0 10.0	3.000 3.000 3.250 3.500
							Mean =	3.00	15.0	3.50	3.8	1.0	5.0	3.188
6	30 + 57 + 93 DAP ROUNDUP PMAX XTENDIMAX	5.5 SL 2.9 SL		0.32 oz/a 0.22 oz/a			106 201 304 402	2.50 2.00 2.50 2.50	10.0 0.0 10.0 10.0	2.00 1.50 2.50 2.00	5.0 0.0 5.0 5.0	1.0 1.0 1.0 1.0	10.0 0.0 5.0 5.0	2.500 3.000 3.000 2.500
							Mean =	2.38	7.5	2.00	3.8	1.0	5.0	2.750

# University of Georgia

PEANUT RESPONSE TO ROUNDUP + XTENDIMAX AT LOW RATES														
MULTIPLE EVENTS														
Trial ID: PE-06-19		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	PRM Data Type	# Subsamples, Dec.	Arahy Stunting Percent Jul-22-19	Arahy Dicamb - Injury 1-5 Jul-22-19	Arahy Stunting Percent Aug-8-19	Arahy Dicamba 1-5 Aug-8-19	----- ARAHY DIRTY - YIELD LBS/PLOT Sep-25-19	----- ARAHY CLEAN - YIELD LBS/PLOT Sep-25-19 T1	----- ARAHY CLEAN - YIELD LBS/A Sep-25-19 TY2
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Plot		8	9	10	11	12	13	14
1	30 + 57 DAP NO HERBICIDE (NTC)					101		0.0	1.000	0.0	1.00	23.1	22.6	6852
						202		0.0	1.000	0.0	1.00	19.8	19.4	5873
						301		0.0	1.000	0.0	1.00	21.9	21.5	6496
						404		0.0	1.000	0.0	1.00	15.9	15.6	4716
						Mean =		0.0	1.000	0.0	1.00	20.2	19.8	5984
2	30 + 57 DAP ROUNDUP PMAX XTENDIMAX	5.5 SL 2.9 SL		0.64 oz/a 0.44 oz/a		102 205 306 405		10.0 5.0 5.0 5.0	2.000 2.500 2.000 2.500	0.0 0.0 5.0 5.0	1.25 1.25 1.50 1.00	20.6 18.7 16.8 16.3	20.2 18.3 16.5 16.0	6110 5547 4983 4835
						Mean =		6.3	2.250	2.5	1.25	18.1	17.7	5369
3	30 + 57 DAP ROUNDUP PMAX XTENDIMAX	5.5 SL 2.9 SL		0.32 oz/a 0.22 oz/a		103 204 305 403		0.0 5.0 5.0 0.0	1.500 1.500 1.250 1.250	0.0 0.0 0.0 0.0	1.25 1.25 1.00 1.50	18.7 18.6 20.1 19.4	18.3 18.2 19.7 19.0	5547 5517 5962 5754
						Mean =		2.5	1.375	0.0	1.25	19.2	18.8	5695
4	30 + 57 + 93 DAP NO HERBICIDE (NTC)					104 206 303 401		0.0 0.0 0.0 0.0	1.000 1.000 1.000 1.000	0.0 0.0 0.0 0.0	1.00 1.00 1.00 1.00	19.9 18.2 20.9 21.2	19.5 17.8 20.5 20.8	5903 5398 6199 6288
						Mean =		0.0	1.000	0.0	1.00	20.1	19.6	5947
5	30 + 57 + 93 DAP ROUNDUP PMAX XTENDIMAX	5.5 SL 2.9 SL		0.64 oz/a 0.44 oz/a		105 203 302 406		5.0 5.0 5.0 5.0	2.500 2.000 2.500 2.000	0.0 0.0 0.0 0.0	1.50 1.25 1.50 1.50	19.7 20.0 19.7 16.1	19.3 19.6 19.3 15.8	5843 5932 5843 4775
						Mean =		5.0	2.250	0.0	1.44	18.9	18.5	5598
6	30 + 57 + 93 DAP ROUNDUP PMAX XTENDIMAX	5.5 SL 2.9 SL		0.32 oz/a 0.22 oz/a		106 201 304 402		5.0 5.0 5.0 5.0	1.500 1.500 1.500 2.000	0.0 0.0 0.0 0.0	1.25 1.25 1.25 1.25	18.4 20.9 17.5 19.4	18.0 20.5 17.2 19.0	5458 6199 5191 5754
						Mean =		5.0	1.625	0.0	1.25	19.1	18.7	5650

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PEANUT RESPONSE TO ROUNDUP + XTENDIMAX AT LOW RATES  
 MULTIPLE EVENTS  
 Trial ID: PE-06-19 Study Dir.:  
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code	----	-----	-----	-----	-----	-----
Crop Code	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY
Part Rated	PODS -	PODS -	PODS -	GRADE -	GRADE -	GRADE -
Rating Data Type	TOTAL#	ABNORMAL	ABNORMAL	SMK	SS	TSMK
Rating Unit	#/200 G	#/200 G	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	Oct-31-19	Oct-31-19	Oct-31-19	Oct-30-19	Oct-30-19	Oct-30-19
PRM Data Type			T3			
# Subsamples, Dec.			- 1			
Trt Treatment	Form Form	Rate				
No. Name	Conc Type	Rate Unit	Plot	15	16	17
1 30 + 57 DAP			101	133.0	0.0	0.0
NO HERBICIDE (NTC)			202	129.0	4.0	3.1
			301	135.0	3.0	2.2
			404	133.0	2.0	1.5
			Mean =	132.5	2.3	1.7
2 30 + 57 DAP			102	124.0	9.0	7.3
ROUNDUP PMAX	5.5 SL	0.64 oz/a	205	135.0	5.0	3.7
XTENDIMAX	2.9 SL	0.44 oz/a	306	132.0	12.0	9.1
			405	136.0	8.0	5.9
			Mean =	131.8	8.5	6.5
3 30 + 57 DAP			103	133.0	8.0	6.0
ROUNDUP PMAX	5.5 SL	0.32 oz/a	204	135.0	8.0	5.9
XTENDIMAX	2.9 SL	0.22 oz/a	305	129.0	9.0	7.0
			403	127.0	3.0	2.4
			Mean =	131.0	7.0	5.3
4 30 + 57 + 93 DAP			104	138.0	4.0	2.9
NO HERBICIDE (NTC)			206	133.0	7.0	5.3
			303	130.0	2.0	1.5
			401	129.0	2.0	1.6
			Mean =	132.5	3.8	2.8
5 30 + 57 + 93 DAP			105	125.0	8.0	6.4
ROUNDUP PMAX	5.5 SL	0.64 oz/a	203	130.0	11.0	8.5
XTENDIMAX	2.9 SL	0.44 oz/a	302	124.0	10.0	8.1
			406	135.0	9.0	6.7
			Mean =	128.5	9.5	7.4
6 30 + 57 + 93 DAP			106	126.0	7.0	5.6
ROUNDUP PMAX	5.5 SL	0.32 oz/a	201	123.0	9.0	7.3
XTENDIMAX	2.9 SL	0.22 oz/a	304	125.0	9.0	7.2
			402	132.0	6.0	4.5
			Mean =	126.5	7.8	6.2

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PEANUT RESPONSE TO ROUNDUP + XTENDIMAX AT LOW RATES  
 MULTIPLE EVENTS  
 Trial ID: PE-06-19 Study Dir.:  
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code				-----
Crop Code				ARAHY
Part Rated				GRADE -
Rating Data Type				OK
Rating Unit				PERCENT
Rating Date				Oct-30-19
PRM Data Type				
# Subsamples, Dec.				
Trt Treatment	Form Form	Rate		
No. Name	Conc Type	Rate Unit Plot		21
1 30 + 57 DAP			101	3.0
NO HERBICIDE (NTC)			202	2.0
			301	2.0
			404	2.0
		Mean =		2.3
2 30 + 57 DAP			102	.
ROUNDUP PMAX	5.5 SL	0.64 oz/a	205	2.0
XTENDIMAX	2.9 SL	0.44 oz/a	306	4.0
			405	3.0
		Mean =		3.0
3 30 + 57 DAP			103	3.0
ROUNDUP PMAX	5.5 SL	0.32 oz/a	204	2.0
XTENDIMAX	2.9 SL	0.22 oz/a	305	2.0
			403	2.0
		Mean =		2.3
4 30 + 57 + 93 DAP			104	2.0
NO HERBICIDE (NTC)			206	3.0
			303	3.0
			401	
		Mean =		2.7
5 30 + 57 + 93 DAP			105	3.0
ROUNDUP PMAX	5.5 SL	0.64 oz/a	203	3.0
XTENDIMAX	2.9 SL	0.44 oz/a	302	4.0
			406	3.0
		Mean =		3.3
6 30 + 57 + 93 DAP			106	3.0
ROUNDUP PMAX	5.5 SL	0.32 oz/a	201	2.0
XTENDIMAX	2.9 SL	0.22 oz/a	304	3.0
			402	2.0
		Mean =		2.5



# University of Georgia

PEANUT RESPONSE TO ROUNDUP + XTENDIMAX AT LOW RATES

MULTIPLE EVENTS

Trial ID: PE-06-19 Study Dir.:  
Location: PONDER FARM Investigator: Eric P. Prostko

PRM Data Type

T1 = [C12]\*0.98

TY2 = 302.6613\*[C13]

T3 = ([C16]/[C15])\*100