

University of Georgia

PEANUT RESPONSE TO FALL APPLIED METRIBUZIN

Trial ID: PE-02-20 Study Dir.: RICHARD ROYAL
Location: PONDER Investigator: Eric P. Prostko

Reps: 6 Plots: 6 by 25 feet
Appl. Amount: 15 GAL/AC Mix Size: 1.5 L (total for 6 plots; minimum=1.173 L)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Appl Code	Amt Product to Measure	Diluent	Rep 1	2	3	4	5	6
1	VALOR SX	51	WG	3.0	oz/a	PRE	A	2.247 g/mx	1497.8 mL	101	202	306	405	503	606
2	SINBAR	80	WG	4.0	oz/a	PRE	A	2.996 g/mx	1497.0 mL	102	204	301	403	505	601
3	TRICOR	4	F	8.0	oz/a	PRE	A	6.249 mL/mx	1493.8 mL	103	206	304	402	504	602
4	TRICOR	4	F	12.0	oz/a	PRE	A	9.374 mL/mx	1490.6 mL	104	201	302	401	506	603
5	TRICOR	4	F	16.0	oz/a	PRE	A	12.5 mL/mx	1487.5 mL	105	203	305	404	502	605
6	TRICOR	4	F	32.0	oz/a	PRE	A	25.0 mL/mx	1475 mL	106	205	303	406	501	604

Sort Order: Treatment

Trial Comments

LAST TILLAGE OCCURRED ON NOVEMBER 6, 2019

DO NOT USE DATA FROM PLOTS 106, 205, 206 AND 303 DUE TO PRESSURE PROBLEMS AT APPLICATION.

ROUNDUP @ 32 OZ/A + VALOR @ 2 OZ/A + 2,4-D @ 16 OZ/A - JANUARY 4, 2020

GRAMOXONE @ 48 OZ/A + DUAL MAGNUM @ 16 OZ/A - APRIL 2, 2020

ROUNDUP @ 64 OZ/A - APRIL 17, 2020

ROUNDUP @ 32 OZ/A + VALOR @ 3 OZ/A + STRONGARM @ 0.45 OZ/A + PROWL H2O @ 32 OZ/A - MAY 12, 2020

CADRE @ 4 OZ/A + DUAL MAGNUM @ 16 OZ/A - JUNE 10, 2020

DIGGING DATE: SEPTEMBER 30

HARVEST DATE: OCTOBER 5

HARVEST MOISTURE: 15.3%

YIELDS ADJUSTED TO 10%

2% YIELD DEDUCTION FOR FM

SUMMARY:

1) SINBAR AND TRICOR, APPLIED 185 DBP, HAD NO EFFECT ON PEANUT STAND, INJURY, PLANT HEIGHT, AND CANOPY WIDTH WHEN COMPARED TO VALOR ($P>0.34$).

2 PEANUT YIELDS WERE NOT REDUCED BY ANY FALL APPLICATION OF SINBAR OR TRICOR IN COMPARISON TO VALOR ($P=0.4024$)

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Trial ID: PE-02-20 Study Dir.: RICHARD ROYAL
Location: PONDER Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: RICHARD ROYAL 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-18RU Planting Date: May-11-20
Planting Method: MONOSEM TWIN ROW Rate: 3.1 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: 6

Site Type: _____ Study Design: RACOB
Tillage Type: _____
Trial Initiation Comments: 1 TON/A LIME PREPLANT; 300 LBS/A 5-15-30 PREPLANT -
PEANUT; THIMET INFR; RANCONA SEED TRT; 36"-9" TWIN ROWS; 1000 LBS/A GYPSUM

Previous: Crops Pesticides Year
1. FALLOW _____ 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: 0.61 % Sand: 94 % Silt: 4 % Clay: 2
pH: 6.0 CEC: 2.6 Soil Name: TIFTON Fertility Level: GOOD

MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. Nov-7-19		0.5	IN	SPRINKLER - LATERAL MOVE		
2. Nov-8-19		0.63	IN	RAINFALL		
3. Nov-12-19		0.05	IN	RAINFALL		
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-1-20		0.5	IN	SPRINKLER - LATERAL MOVE		
13. Jun-6-20		0.07	IN	RAINFALL		
14. Jun-7-20		0.59	IN	RAINFALL		
15. Jun-9-20		0.15	IN	RAINFALL		
16. Jun-12-20		2.67	IN	RAINFALL		

Overall Moisture Conditions: _____
Closest Weather Station: _____ Distance: _____ Unit: _____

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PEANUT RESPONSE TO FALL APPLIED METRIBUZIN

Trial ID: PE-02-20 Study Dir.: RICHARD ROYAL
 Location: PONDER Investigator: Eric P. Prostko

APPLICATION DESCRIPTION

		A	B	C	D	E	F
Application Date:	Nov-7-19						
Time of Day:	7:00 AM						
Application Method:	BROADCAST						
Application Timing:	PRE						
Applic. Placement:	SOIL						
Air Temp., Unit:	64 F						
% Relative Humidity:	96						
Wind Velocity, Unit:	3 MPH						
Dew Presence (Y/N):	Y						
Water Hardness:							
Soil Temp., Unit:	67 F						
Soil Moisture:	OPTIMUM						
% Cloud Cover:	100						

CROP STAGE AT EACH APPLICATION

		A	B	C	D	E	F
Crop 1	Stage: ARAHY						
	Stage Scale:						
	Height, Unit:						

WEED STAGE AT EACH APPLICATION

		A	B	C	D	E	F
Weed 1	Stage:						
	Stage Scale:						
	Density, Unit:						

APPLICATION EQUIPMENT

		A	B	C	D	E	F
Appl. Equipment:	BACKPACK						
Operating Pressure:	40						
Nozzle Type:	+						
Nozzle Size:	02						
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 FALL APPLIED METRIBUZIN

Trial ID: PE-02-20 Study Dir.: RICHARD ROYAL
 Location: PONDER Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit							RAPRA	----- Rapra	----- Lamam	Rapra -----	----- Arahy	----- Arahy	----- Arahy Plant, - Stunting
Rating Date							Control %	Control %	Control %	Control %	Stand #/5 ft	Stunting %	Stunting %
Rating Date							Nov-20-19	Dec-3-19	Dec-3-19	Dec-12-19	May-19-20	Jun-5-20	Jun-18-20
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg Code	1	2	3	4	5	6	7
1	VALOR SX	51 WG	3.0 oz/a	PRE	A		85.0 a	76.7 c	98.3 a	70.8 c	19.8 a	0.0 a	0.0 a
2	SINBAR	80 WG	4.0 oz/a	PRE	A		60.0 c	97.0 a	98.3 a	95.7 a	20.2 a	0.0 a	0.0 a
3	TRICOR	4 F	8.0 oz/a	PRE	A		63.0 bc	90.8 b	99.0 a	90.0 b	18.6 a	0.0 a	0.0 a
4	TRICOR	4 F	12.0 oz/a	PRE	A		65.0 b	99.0 a	99.0 a	95.5 a	20.8 a	0.0 a	0.0 a
5	TRICOR	4 F	16.0 oz/a	PRE	A		62.5 bc	97.7 a	98.3 a	93.3 a	21.2 a	0.0 a	0.0 a
6	TRICOR	4 F	32.0 oz/a	PRE	A		60.0 c	99.0 a	97.7 a	95.0 a	20.7 a	0.0 a	0.0 a
LSD P=.10							3.91	4.00	1.30	3.08	2.74	.	.
Standard Deviation							3.93	4.03	1.31	3.10	2.76	0.00	0.00
CV							5.96	4.31	1.33	3.44	13.66	0.0	0.0
Grand Mean							65.92	93.36	98.44	90.06	20.21	0.00	0.00
Bartlett's X2^							6.669	17.693	2.504	16.727	1.015	.	.
P(Bartlett's X2)							0.246	0.003*	0.776	0.005*	0.961	.	.

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.

Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23

Could not calculate LSD (% mean diff) for columns 6,7,20 because error mean square = 0.

^Calculated from residual.

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PEANUT RESPONSE TO FALL APPLIED METRIBUZIN														
Trial ID:		PE-02-20		Study Dir.:		RICHARD ROYAL								
Location:		PONDER		Investigator:		Eric P. Prostko								
Weed Code													-----	
Crop Code							Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	Arahy	
Part Rated							Plant, -	Plant, -	Plant, -	Plant, -	Plant, -	Plant, -	Twin, -	
Rating Data Type							Ht 1	Ht 2	Ht 3	Ht 4	Ht 5	HGT-AVG	Wdth1	
Rating Unit							Inches	Inches	Inches	Inches	Inches	Inches	In	
Rating Date							Jun-30-20	Jun-30-20	Jun-30-20	Jun-30-20	Jun-30-20	Jun-30-20	Jun-30-20	
Trt	Treatment	Form	Form	Rate	Grow	Appl	8	9	10	11	12	13	14	
No.	Name	Conc	Type	Rate	Unit	Stg	Code							
1	VALOR SX	51 WG		3.0 oz/a	PRE	A		5.00 a	4.50 a	5.17 a	5.00 b	5.25 a	5.0 a	27.3 a
2	SINBAR	80 WG		4.0 oz/a	PRE	A		5.17 a	4.92 a	4.67 a	4.83 b	5.17 a	5.0 a	25.8 a
3	TRICOR	4 F		8.0 oz/a	PRE	A		5.14 a	4.80 a	4.70 a	5.00 b	5.00 a	4.9 a	27.0 a
4	TRICOR	4 F		12.0 oz/a	PRE	A		4.92 a	4.67 a	4.92 a	4.83 b	4.92 a	4.9 a	26.3 a
5	TRICOR	4 F		16.0 oz/a	PRE	A		4.92 a	4.75 a	5.17 a	5.17 b	4.92 a	5.0 a	27.2 a
6	TRICOR	4 F		32.0 oz/a	PRE	A		4.50 a	5.17 a	4.50 a	5.83 a	5.33 a	5.1 a	25.3 a
LSD P=.10							0.677	0.503	0.562	0.535	0.545	0.22	1.59	
Standard Deviation							0.682	0.507	0.566	0.538	0.548	0.22	1.60	
CV							13.8	10.55	11.66	10.53	10.76	4.47	6.04	
Grand Mean							4.940	4.800	4.853	5.111	5.097	4.96	26.50	
Bartlett's X2^							10.493	1.574	0.732	2.70	6.788	1.393	2.41	
P(Bartlett's X2)							0.062	0.904	0.981	0.746	0.237	0.925	0.79	

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

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Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23

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^Calculated from residual.

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Trial ID: PE-02-20		Study Dir.: RICHARD ROYAL									
Location: PONDER		Investigator: Eric P. Prostko									
Weed Code				Arahy		Arahy		Arahy		Arahy	
Crop Code				Twin, -		Twin, -		Twin, -		Twin, -	
Part Rated				Wdth2		Width3		Wdth4		Wdth5	
Rating Data Type				In		In		In		In	
Rating Unit								WDT-AVG		Plant, -	
										Stunting	
										%	
										LBS/PLOT	
Rating Date				Jun-30-20		Jun-30-20		Jun-30-20		Jun-30-20	
										Jul-20-20	
										Oct-5-20	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	15	16	17	18
1	VALOR SX	51 WG		3.0 oz/a	PRE	A		26.3 a	25.8 b	26.5 a	26.7 a
2	SINBAR	80 WG		4.0 oz/a	PRE	A		26.0 a	24.8 b	26.3 a	24.8 a
3	TRICOR	4 F		8.0 oz/a	PRE	A		24.6 a	25.4 b	25.2 a	25.6 a
4	TRICOR	4 F		12.0 oz/a	PRE	A		25.8 a	25.2 b	24.5 a	25.2 a
5	TRICOR	4 F		16.0 oz/a	PRE	A		27.0 a	24.8 b	26.3 a	24.8 a
6	TRICOR	4 F		32.0 oz/a	PRE	A		25.3 a	27.7 a	27.3 a	26.7 a
LSD P=.10				1.62		1.68		1.71		1.82	
Standard Deviation				1.63		1.69		1.73		1.83	
CV				6.3		6.61		6.63		7.14	
Grand Mean				25.85		25.62		26.03		25.63	
Bartlett's X2^				5.90		4.753		3.483		0.861	
P(Bartlett's X2)				0.316		0.447		0.626		0.973	
										0.828	
										.	
										0.00	
										0.0	
										0.00	
										.	
										8.265	
										0.142	

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.

Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23

Could not calculate LSD (% mean diff) for columns 6,7,20 because error mean square = 0.

^Calculated from residual.

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Trial ID: PE-02-20 Study Dir.: RICHARD ROYAL
 Location: PONDER Investigator: Eric P. Prostko

Weed Code								-----	-----
Crop Code								ARAHY	ARAHY
Part Rated								CLEAN, -	CLEAN, -
Rating Data Type								YIELD	YIELD
Rating Unit								LBS/PLOT	LBS/A
Rating Date								Oct-5-20	Oct-5-20
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	22	23
1	VALOR SX	51	WG	3.0 oz/a	PRE	A		23.1 a	6316 a
2	SINBAR	80	WG	4.0 oz/a	PRE	A		23.2 a	6348 a
3	TRICOR	4	F	8.0 oz/a	PRE	A		22.8 a	6235 a
4	TRICOR	4	F	12.0 oz/a	PRE	A		23.4 a	6388 a
5	TRICOR	4	F	16.0 oz/a	PRE	A		24.8 a	6767 a
6	TRICOR	4	F	32.0 oz/a	PRE	A		24.1 a	6580 a
LSD P=.10								1.70	463.7
Standard Deviation								1.71	466.7
CV								7.25	7.25
Grand Mean								23.56	6439.0
Bartlett's X2^								8.265	8.265
P(Bartlett's X2)								0.142	0.142

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.

Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23

Could not calculate LSD (% mean diff) for columns 6,7,20 because error mean square = 0.

^Calculated from residual.

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Location: PONDER Investigator: Eric P. Prostko

Randomized Complete Block (RCB) AOV For RAPRA Control % Nov-20-19 (Data Column 1)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	31	3248.750000			
Replicate	5	192.916667	38.583333	2.496	0.0634
Treatment	5	2731.250000	546.250000	35.341	0.0001
Error	21	324.583333	15.456349		

Randomized Complete Block (RCB) AOV For ----- Rapra Control % Dec-3-19 (Data Column 2)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	31	2665.288889			
Replicate	5	41.222222	8.244444	0.509	0.7664
Treatment	5	2283.822222	456.764444	28.192	0.0001
Error	21	340.244444	16.202116		

Randomized Complete Block (RCB) AOV For ----- Lamam Control % Dec-3-19 (Data Column 3)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	31	58.222222			
Replicate	5	14.666667	2.933333	1.711	0.1759
Treatment	5	7.555556	1.511111	0.881	0.5106
Error	21	36.000000	1.714286		

Randomized Complete Block (RCB) AOV For Rapra ----- Control % Dec-12-19 (Data Column 4)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	31	3019.888889			
Replicate	5	23.222222	4.644444	0.483	0.7847
Treatment	5	2794.888889	558.977778	58.176	0.0001
Error	21	201.777778	9.608466		

Randomized Complete Block (RCB) AOV For ----- Arahay Stand #/5 ft May-19-20 (Data Column 5)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	31	228.688889			
Replicate	5	43.133333	8.626667	1.132	0.3744
Treatment	5	25.488889	5.097778	0.669	0.6514
Error	21	160.066667	7.622222		

Randomized Complete Block (RCB) AOV For ----- Arahay Stunting % Jun-5-20 (Data Column 6)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	31	0.000000000000			
Replicate	5	0.000000000000	0.000000000000	0.000	1.0000
Treatment	5	0.000000000000	0.000000000000	0.000	1.0000
Error	21	0.000000000000	0.000000000000		

Randomized Complete Block (RCB) AOV For ----- Arahay Plant Stunting % Jun-18-20 (Data Column 7)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	31	0.000000000000			
Replicate	5	0.000000000000	0.000000000000	0.000	1.0000
Treatment	5	0.000000000000	0.000000000000	0.000	1.0000
Error	21	0.000000000000	0.000000000000		

Randomized Complete Block (RCB) AOV For Arahay Plant Ht 1 Inches Jun-30-20 (Data Column 8)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	31	14.780000			
Replicate	5	3.285333	0.657067	1.414	0.2599
Treatment	5	1.738000	0.347600	0.748	0.5965
Error	21	9.756667	0.464603		

Randomized Complete Block (RCB) AOV For Arahay Plant Ht 2 Inches Jun-30-20 (Data Column 9)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	31	8.433333			
Replicate	5	1.494444	0.298889	1.165	0.3590
Treatment	5	1.550000	0.310000	1.208	0.3396
Error	21	5.388889	0.256614		

Randomized Complete Block (RCB) AOV For Arahay Plant Ht 3 Inches Jun-30-20 (Data Column 10)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	31	10.809722			
Replicate	5	1.784722	0.356944	1.115	0.3826
Treatment	5	2.301389	0.460278	1.438	0.2520
Error	21	6.723611	0.320172		

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Randomized Complete Block (RCB) AOV For Arahy Plant Ht 4 Inches Jun-30-20 (Data Column 11)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	31	11.388889			
Replicate	5	1.083333	0.216667	0.748	0.5967
Treatment	5	4.222222	0.844444	2.915	0.0376
Error	21	6.083333	0.289683		

Randomized Complete Block (RCB) AOV For Arahy Plant Ht 5 Inches Jun-30-20 (Data Column 12)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	31	12.243056			
Replicate	5	4.979167	0.995833	3.313	0.0232
Treatment	5	0.951389	0.190278	0.633	0.6768
Error	21	6.312500	0.300595		

Randomized Complete Block (RCB) AOV For Arahy Plant HGT-AVG Inches Jun-30-20 (Data Column 13)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	31	2.551156			
Replicate	5	1.364036	0.272807	5.546	0.0021
Treatment	5	0.154142	0.030828	0.627	0.6812
Error	21	1.032978	0.049189		

Randomized Complete Block (RCB) AOV For ----- Arahy Twin Wdth1 In Jun-30-20 (Data Column 14)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	31	116.333333			
Replicate	5	43.222222	8.644444	3.376	0.0215
Treatment	5	19.333333	3.866667	1.510	0.2292
Error	21	53.777778	2.560847		

Randomized Complete Block (RCB) AOV For Arahy Twin Wdth2 In Jun-30-20 (Data Column 15)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	31	136.483333			
Replicate	5	60.338889	12.067778	4.550	0.0057
Treatment	5	20.450000	4.090000	1.542	0.2197
Error	21	55.694444	2.652116		

Randomized Complete Block (RCB) AOV For Arahy Twin Width3 In Jun-30-20 (Data Column 16)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	31	103.555556			
Replicate	5	9.022222	1.804444	0.630	0.6791
Treatment	5	34.355556	6.871111	2.398	0.0719
Error	21	60.177778	2.865608		

Randomized Complete Block (RCB) AOV For Arahy Twin Wdth4 In Jun-30-20 (Data Column 17)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	31	131.933333			
Replicate	5	38.644444	7.728889	2.597	0.0558
Treatment	5	30.800000	6.160000	2.070	0.1098
Error	21	62.488889	2.975661		

Randomized Complete Block (RCB) AOV For Arahy Twin Wdth5 In Jun-30-20 (Data Column 18)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	31	115.505556			
Replicate	5	23.361111	4.672222	1.395	0.2665
Treatment	5	21.805556	4.361111	1.302	0.3008
Error	21	70.338889	3.349471		

Randomized Complete Block (RCB) AOV For Arahy Twin WDT-AVG In Jun-30-20 (Data Column 19)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	31	56.493333			
Replicate	5	23.906667	4.781333	3.967	0.0109
Treatment	5	7.274667	1.454933	1.207	0.3401
Error	21	25.312000	1.205333		

Randomized Complete Block (RCB) AOV For Arahy Plant Stunting % Jul-20-20 (Data Column 20)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	31	0.000000000000			
Replicate	5	0.000000000000	0.000000000000	0.000	1.0000
Treatment	5	0.000000000000	0.000000000000	0.000	1.0000
Error	21	0.000000000000	0.000000000000		

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PEANUT RESPONSE TO FALL APPLIED METRIBUZIN

Trial ID: PE-02-20 Study Dir.: RICHARD ROYAL
 Location: PONDER Investigator: Eric P. Prostko

Randomized Complete Block (RCB) AOV For ----- ARAHY DIRTY YIELD LBS/PLOT Oct-5-20 (Data Column 21)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	31	92.190889			
Replicate	5	12.106444	2.421289	0.797	0.5638
Treatment	5	16.319556	3.263911	1.075	0.4024
Error	21	63.764889	3.036423		

Randomized Complete Block (RCB) AOV For ----- ARAHY CLEAN YIELD LBS/PLOT Oct-5-20 (Data Column 22)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	31	88.540130			
Replicate	5	11.627029	2.325406	0.797	0.5638
Treatment	5	15.673301	3.134660	1.075	0.4024
Error	21	61.239799	2.916181		

Randomized Complete Block (RCB) AOV For ----- ARAHY CLEAN YIELD LBS/A Oct-5-20 (Data Column 23)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	31	6613250.413162			
Replicate	5	868447.518937	173689.503787	0.797	0.5638
Treatment	5	1170672.165342	234134.433068	1.075	0.4024
Error	21	4574130.728883	217815.748994		

Weed Code

RAPRA = RADISH, WILD / RAPHANUS RAPHANISTRUM L.

Part Rated

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

PRM Data Type

T1 = ([8]+[9]+[10]+[11]+[12])/5

T2 = ([14]+[15]+[16]+[17]+[18])/5

T3 = [21]*0.98

TY4 = 273.2986*[22]

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PEANUT RESPONSE TO FALL APPLIED METRIBUZIN															
Trial ID:		PE-02-20		Study Dir.:		RICHARD ROYAL									
Location:		PONDER		Investigator:		Eric P. Prostko									
Weed Code							RAPRA	-----	-----	Rapra	-----	-----	-----		
Crop Code								Rapra	Lamam		Arahy	Arahy	Arahy		
Part Rated													Plant, -		
Rating Data Type							Control	Control	Control	Control	Stand	Stunting	Stunting		
Rating Unit							%	%	%	%	#/5 ft	%	%		
Rating Date							Nov-20-19	Dec-3-19	Dec-3-19	Dec-12-19	May-19-20	Jun-5-20	Jun-18-20		
Trt	Treatment	Form	Form	Rate	Grow	Appl									
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3	4	5	6	7
1	VALOR SX	51 WG	3.0 oz/a	PRE	A	101		95.0	80.0	99.0	75.0	23.0	0.0	0.0	
						202		85.0	80.0	99.0	75.0	19.0	0.0	0.0	
						306		90.0	80.0	99.0	75.0	20.0	0.0	0.0	
						405		80.0	75.0	99.0	70.0	22.0	0.0	0.0	
						503		85.0	80.0	95.0	65.0	16.0	0.0	0.0	
						606		75.0	65.0	99.0	65.0	19.0	0.0	0.0	
						Mean =		85.0	76.7	98.3	70.8	19.8	0.0	0.0	
2	SINBAR	80 WG	4.0 oz/a	PRE	A	102		65.0	99.0	95.0	99.0	23.0	0.0	0.0	
						204		60.0	95.0	99.0	95.0	16.0	0.0	0.0	
						301		60.0	95.0	99.0	95.0	16.0	0.0	0.0	
						403		60.0	95.0	99.0	95.0	21.0	0.0	0.0	
						505		60.0	99.0	99.0	95.0	22.0	0.0	0.0	
						601		55.0	99.0	99.0	95.0	23.0	0.0	0.0	
						Mean =		60.0	97.0	98.3	95.7	20.2	0.0	0.0	
3	TRICOR	4 F	8.0 oz/a	PRE	A	103		65.0	90.0	99.0	90.0	20.0	0.0	0.0	
						206		.	.	.	.	.	.	.	.
						304		65.0	85.0	99.0	85.0	16.0	0.0	0.0	
						402		60.0	85.0	99.0	90.0	22.0	0.0	0.0	
						504		65.0	95.0	99.0	90.0	21.0	0.0	0.0	
						602		60.0	99.0	99.0	95.0	14.0	0.0	0.0	
						Mean =		63.0	90.8	99.0	90.0	18.6	0.0	0.0	
4	TRICOR	4 F	12.0 oz/a	PRE	A	104		65.0	99.0	99.0	95.0	18.0	0.0	0.0	
						201		65.0	99.0	99.0	95.0	25.0	0.0	0.0	
						302		75.0	99.0	99.0	98.0	17.0	0.0	0.0	
						401		65.0	99.0	99.0	95.0	23.0	0.0	0.0	
						506		60.0	99.0	99.0	95.0	22.0	0.0	0.0	
						603		60.0	99.0	99.0	95.0	20.0	0.0	0.0	
						Mean =		65.0	99.0	99.0	95.5	20.8	0.0	0.0	
5	TRICOR	4 F	16.0 oz/a	PRE	A	105		65.0	99.0	95.0	95.0	19.0	0.0	0.0	
						203		65.0	95.0	99.0	90.0	20.0	0.0	0.0	
						305		60.0	99.0	99.0	95.0	22.0	0.0	0.0	
						404		60.0	99.0	99.0	90.0	24.0	0.0	0.0	
						502		60.0	99.0	99.0	95.0	21.0	0.0	0.0	
						605		65.0	95.0	99.0	95.0	21.0	0.0	0.0	
						Mean =		62.5	97.7	98.3	93.3	21.2	0.0	0.0	
6	TRICOR	4 F	32.0 oz/a	PRE	A	106		.	.	.	.	.	.	.	
						205		.	.	.	.	.	.	.	.
						303		.	.	.	.	.	.	.	.
						406		60.0	99.0	99.0	95.0	20.0	0.0	0.0	
						501		60.0	99.0	95.0	95.0	23.0	0.0	0.0	
						604		60.0	99.0	99.0	95.0	19.0	0.0	0.0	
						Mean =		60.0	99.0	97.7	95.0	20.7	0.0	0.0	

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PEANUT RESPONSE TO FALL APPLIED METRIBUZIN

Trial ID: PE-02-20 Study Dir.: RICHARD ROYAL
 Location: PONDER Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							Arahy Plant, - Ht 1 Inches Jun-30-20	Arahy Plant, - Ht 2 Inches Jun-30-20	Arahy Plant, - Ht 3 Inches Jun-30-20	Arahy Plant, - Ht 4 Inches Jun-30-20	Arahy Plant, - Ht 5 Inches Jun-30-20	Arahy Plant, - HGT-AVG Inches Jun-30-20		
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	8	9	10	11	12	13
1	VALOR SX	51	WG	3.0	oz/a	PRE	A	101	4.50	5.00	4.50	4.50	5.00	4.7
								202	5.00	5.00	6.00	6.00	5.00	5.4
								306	4.00	4.50	5.00	5.00	6.00	4.9
								405	5.00	4.00	5.00	5.50	5.50	5.0
								503	5.50	4.00	5.00	4.50	5.00	4.8
								606	6.00	4.50	5.50	4.50	5.00	5.1
								Mean =	5.00	4.50	5.17	5.00	5.25	5.0
2	SINBAR	80	WG	4.0	oz/a	PRE	A	102	5.00	5.50	4.50	5.00	5.00	5.0
								204	5.50	5.00	5.00	5.50	6.00	5.4
								301	5.00	4.50	4.50	4.00	6.00	4.8
								403	5.50	6.00	5.50	4.50	5.00	5.3
								505	4.50	4.00	3.50	5.00	4.50	4.3
								601	5.50	4.50	5.00	5.00	4.50	4.9
								Mean =	5.17	4.92	4.67	4.83	5.17	5.0
3	TRICOR	4	F	8.0	oz/a	PRE	A	103	5.50	5.00	5.50	5.00	5.00	5.2
								206	.	.	.	.	.	.
								304	5.50	4.50	5.00	4.00	5.50	4.9
								402	5.00	4.50	4.50	5.50	6.00	5.1
								504	5.50	5.00	4.00	5.50	4.00	4.8
								602	4.20	5.00	4.50	5.00	4.50	4.6
								Mean =	5.14	4.80	4.70	5.00	5.00	4.9
4	TRICOR	4	F	12.0	oz/a	PRE	A	104	5.00	4.00	5.50	5.00	5.00	4.9
								201	5.50	5.00	4.50	4.50	5.00	4.9
								302	4.00	4.50	5.00	4.50	5.00	4.6
								401	6.50	5.00	4.50	5.00	5.50	5.3
								506	4.00	4.50	4.50	4.50	4.00	4.3
								603	4.50	5.00	5.50	5.50	5.00	5.1
								Mean =	4.92	4.67	4.92	4.83	4.92	4.9
5	TRICOR	4	F	16.0	oz/a	PRE	A	105	5.00	4.50	5.50	4.50	5.50	5.0
								203	5.50	5.50	4.50	5.50	4.50	5.1
								305	4.00	4.50	4.50	6.00	5.00	4.8
								404	5.00	4.50	5.50	5.00	5.50	5.1
								502	4.50	5.00	5.00	5.00	4.00	4.7
								605	5.50	4.50	6.00	5.00	5.00	5.2
								Mean =	4.92	4.75	5.17	5.17	4.92	5.0
6	TRICOR	4	F	32.0	oz/a	PRE	A	106	.	.	.	.	.	.
								205	.	.	.	.	.	.
								303	.	.	.	.	.	.
								406	4.50	6.00	5.00	6.00	6.00	5.5
								501	3.50	4.50	4.50	5.50	6.00	4.8
								604	5.50	5.00	4.00	6.00	4.00	4.9
								Mean =	4.50	5.17	4.50	5.83	5.33	5.1

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PEANUT RESPONSE TO FALL APPLIED METRIBUZIN

Trial ID: PE-02-20 Study Dir.: RICHARD ROYAL
 Location: PONDER Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							----- Arahy Twin, - Wdth1 In Jun-30-20	Arahy Twin, - Wdth2 In Jun-30-20	Arahy Twin, - Width3 In Jun-30-20	Arahy Twin, - Wdth4 In Jun-30-20	Arahy Twin, - Wdth5 In Jun-30-20	Arahy Twin, - WDT-AVG In Jun-30-20		
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	14	15	16	17	18	19
1	VALOR SX	51	WG	3.0	oz/a	PRE	A	101	26.0	24.0	24.0	27.0	26.0	25.4
								202	27.0	30.0	28.0	29.0	29.0	28.6
								306	24.0	25.0	27.0	26.0	25.0	25.4
								405	31.0	25.0	26.0	25.0	26.0	26.6
								503	26.0	24.0	24.0	23.0	24.0	24.2
								606	30.0	30.0	26.0	29.0	30.0	29.0
								Mean =	27.3	26.3	25.8	26.5	26.7	26.5
2	SINBAR	80	WG	4.0	oz/a	PRE	A	102	24.0	26.0	21.0	27.0	26.0	24.8
								204	26.0	29.0	23.0	29.0	25.0	26.4
								301	26.0	25.0	25.0	25.0	24.0	25.0
								403	26.0	25.0	28.0	27.0	27.0	26.6
								505	26.0	24.0	25.0	26.0	24.0	25.0
								601	27.0	27.0	27.0	24.0	23.0	25.6
								Mean =	25.8	26.0	24.8	26.3	24.8	25.6
3	TRICOR	4	F	8.0	oz/a	PRE	A	103	27.0	26.0	26.0	26.0	28.0	26.6
								206	.	.	.	.	.	.
								304	25.0	23.0	23.0	26.0	26.0	24.6
								402	30.0	25.0	27.0	27.0	27.0	27.2
								504	25.0	24.0	26.0	24.0	22.0	24.2
								602	28.0	25.0	25.0	23.0	25.0	25.2
								Mean =	27.0	24.6	25.4	25.2	25.6	25.6
4	TRICOR	4	F	12.0	oz/a	PRE	A	104	26.0	25.0	25.0	23.0	26.0	25.0
								201	27.0	27.0	25.0	26.0	26.0	26.2
								302	26.0	26.0	26.0	23.0	25.0	25.2
								401	27.0	25.0	26.0	26.0	24.0	25.6
								506	26.0	26.0	24.0	26.0	26.0	25.6
								603	26.0	26.0	25.0	23.0	24.0	24.8
								Mean =	26.3	25.8	25.2	24.5	25.2	25.4
5	TRICOR	4	F	16.0	oz/a	PRE	A	105	28.0	27.0	26.0	27.0	25.0	26.6
								203	30.0	30.0	25.0	29.0	28.0	28.4
								305	24.0	23.0	24.0	25.0	23.0	23.8
								404	29.0	29.0	23.0	27.0	24.0	26.4
								502	26.0	24.0	26.0	23.0	26.0	25.0
								605	26.0	29.0	25.0	27.0	23.0	26.0
								Mean =	27.2	27.0	24.8	26.3	24.8	26.0
6	TRICOR	4	F	32.0	oz/a	PRE	A	106	.	.	.	.	.	.
								205	.	.	.	.	.	.
								303	.	.	.	.	.	.
								406	25.0	26.0	28.0	30.0	28.0	27.4
								501	23.0	23.0	26.0	25.0	24.0	24.2
								604	28.0	27.0	29.0	27.0	28.0	27.8
								Mean =	25.3	25.3	27.7	27.3	26.7	26.5

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PEANUT RESPONSE TO FALL APPLIED METRIBUZIN

Trial ID: PE-02-20 Study Dir.: RICHARD ROYAL
 Location: PONDER Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date								Arahy Plant, - Stunting % Jul-20-20	----- ARAHY DIRTY, - YIELD LBS/PLOT Oct-5-20	----- ARAHY CLEAN, - YIELD LBS/PLOT Oct-5-20	----- ARAHY CLEAN, - YIELD LBS/A Oct-5-20	
Trt	Treatment	Form	Form	Rate	Grow	Appl						
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	20	21	22	23
1	VALOR SX	51	WG	3.0 oz/a	PRE	A	101		0.0	22.0	21.6	5892
							202	0.0	25.6	25.1	6857	
							306	0.0	23.8	23.3	6374	
							405	0.0	23.1	22.6	6187	
							503	0.0	23.3	22.8	6241	
							606	0.0	23.7	23.2	6348	
							Mean =	0.0	23.6	23.1	6316	
2	SINBAR	80	WG	4.0 oz/a	PRE	A	102	0.0	23.6	23.1	6321	
							204	0.0	24.1	23.6	6455	
							301	0.0	21.2	20.8	5678	
							403	0.0	24.3	23.8	6508	
							505	0.0	23.2	22.7	6214	
							601	0.0	25.8	25.3	6910	
							Mean =	0.0	23.7	23.2	6348	
3	TRICOR	4	F	8.0 oz/a	PRE	A	103	0.0	21.4	21.0	5732	
							206	.	.	.	.	
							304	0.0	21.3	20.9	5705	
							402	0.0	26.4	25.9	7071	
							504	0.0	23.2	22.7	6214	
							602	0.0	24.1	23.6	6455	
							Mean =	0.0	23.3	22.8	6235	
4	TRICOR	4	F	12.0 oz/a	PRE	A	104	0.0	22.3	21.9	5973	
							201	0.0	27.0	26.5	7231	
							302	0.0	22.5	22.1	6026	
							401	0.0	24.2	23.7	6482	
							506	0.0	23.3	22.8	6241	
							603	0.0	23.8	23.3	6374	
							Mean =	0.0	23.9	23.4	6388	
5	TRICOR	4	F	16.0 oz/a	PRE	A	105	0.0	24.3	23.8	6508	
							203	0.0	24.1	23.6	6455	
							305	0.0	29.2	28.6	7821	
							404	0.0	23.2	22.7	6214	
							502	0.0	24.8	24.3	6642	
							605	0.0	26.0	25.5	6964	
							Mean =	0.0	25.3	24.8	6767	
6	TRICOR	4	F	32.0 oz/a	PRE	A	106	.	.	.	.	
							205	.	.	.	.	
							303	.	.	.	.	
							406	0.0	23.6	23.1	6321	
							501	0.0	25.7	25.2	6883	
							604	0.0	24.4	23.9	6535	
							Mean =	0.0	24.6	24.1	6580	

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PEANUT RESPONSE TO FALL APPLIED METRIBUZIN			
Trial ID:	PE-02-20	Study Dir.:	RICHARD ROYAL
Location:	PONDER	Investigator:	Eric P. Prostko
Weed Code RAPRA = RADISH, WILD / RAPHANUS RAPHANISTRUM L. Part Rated Plant = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf) PRM Data Type T1 = ([8]+[9]+[10]+[11]+[12])/5 T2 = ([14]+[15]+[16]+[17]+[18])/5 T3 = [21]*0.98 TY4 = 273.2986*[22]			