

University of Georgia

PEANUT RESPONSE TO VALOR AND DUAL MAGNUM
 HIGH MOISTURE - YEAR 3
 Trial ID: PE-07-19 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	Grow Unit	Appl Stg	Code	Amt Product to Measure	Diluent	Rep 1	Rep 2	Rep 3	Rep 4
1	VALOR SX	51	WG	3.0	oz/a	PRE	A	2.247 g/mx	1485.3 mL	101	202	305	408
	DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE	A	12.5 mL/mx					
2	VALOR SX	51	WG	3.0	oz/a	PRE	A	2.247 g/mx	1481.4 mL	102	206	304	405
	DUAL MAGNUM	7.62	EC	21.0	oz/a	PRE	A	16.4 mL/mx					
3	VALOR SX	51	WG	3.0	oz/a	PRE	A	2.247 g/mx	1464.9 mL	103	212	301	407
	DUAL MAGNUM	7.62	EC	42.0	oz/a	PRE	A	32.81 mL/mx					
4	VALOR SX NO DUAL MAGNUM	51	WG	3.0	oz/a	PRE	A	2.247 g/mx	1497.8 mL -	104	203	310	406
5	VALOR SX	51	WG	6.0	oz/a	PRE	A	4.493 g/mx	1483.0 mL	105	201	307	401
	DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE	A	12.5 mL/mx					
6	VALOR SX	51	WG	6.0	oz/a	PRE	A	4.493 g/mx	1479.1 mL	106	210	311	409
	DUAL MAGNUM	7.62	EC	21.0	oz/a	PRE	A	16.4 mL/mx					
7	VALOR SX	51	WG	6.0	oz/a	PRE	A	4.493 g/mx	1462.7 mL	107	205	308	403
	DUAL MAGNUM	7.62	EC	42.0	oz/a	PRE	A	32.81 mL/mx					
8	VALOR SX NO DUAL MAGNUM	51	WG	6.0	oz/a	PRE	A	4.493 g/mx	1495.5 mL -	108	211	302	404
9	NO VALOR DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE	A	12.5 mL/mx	- 1487.5 mL	109	204	306	402
10	NO VALOR DUAL MAGNUM	7.62	EC	21.0	oz/a	PRE	A	16.4 mL/mx	- 1483.6 mL	110	208	303	410
11	NO VALOR DUAL MAGNUM	7.62	EC	42.0	oz/a	PRE	A	32.81 mL/mx	- 1467.2 mL	111	209	312	411
12	NO VALOR NO DUAL MAGNUM								- -	112	207	309	412

Sort Order: Treatment

Trial Comments

MAINTAINED WEED-FREE

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

21 DAT DESTRUCTIVE HARVEST (TOTAL PLANTS, J-ROOTED PLANTS, FRESH WGT BIOMASS)
 50 DAT VISUAL CROP STUNTING

3.16" OF IRRIGATION/RAINFALL IN FIRST 0-7 DAYS AFTER APPLICATION
 3.52" OF IRRIGATION/RAINFALL 8-14 DAYS AFTER APPLICATION
 1.12" IRRIGATION/RAINFALL 15-21 DAYS AFTER APPLICATION
 0.5" IRRIGATION/RAINFALL 22-30 DAYS AFTER APPLICATION
 8.3" OF TOTAL IRRIGATION/RAINFALL IN FIRST 30 DAYS AFTER APPLICATION

DIGGING DATE: SEPTEMBER 18
 HARVEST DATE: SEPTEMBER 23
 HARVEST MOISTURE: 7.5%
 YIELDS ADJUSTED TO 10% MOISTURE.
 2% DEDUCTED FROM PLOT YIELD FOR FM/ROCKS, ETC.

SUMMARY:

1) BASED UPON DESTRUCTIVE HARVESTS AT 22 DAP, THE FOLLOWING OBSERVATIONS WERE MADE:

A) NEITHER VALOR NOR DUAL MAGNUM HAD AN EFFECT ON PEANUT PLANT DENSITY (P>0.55).

B) VALOR HAD NO EFFECT ON PEANUT J-ROOTING-% (P=0.6285). BUT, DUAL MAGNUM @ 42 OZ/A CAUSED A SIGNIFICANT INCREASE IN J-ROOTING-%.

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HIGH MOISTURE - YEAR 3

Trial ID: PE-07-19

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Location: PONDER FARM Investigator: Eric P. Prostko

C) VALOR @ 6 OZ/A CAUSED SIGNIFICANT REDUCTIONS IN WHOLE PLANT BIOMASS. ALL RATES OF DUAL MAGNUM CAUSED SIGNIFICANT REDUCTIONS IN WHOLE PLANT BIOMASS WITH 42 OZ/A CAUSING THE GREATEST REDUCTIONS.

2) FOR PEANUT YIELD, THERE WAS NO INTERACTION BETWEEN VALOR RATE AND DUAL MAGNUM RATE (P=0.1365). WHEN AVERAGED OVER DUAL MAGNUM RATES, VALOR HAD NO EFFECT ON YIELD (P=0.7798). WHEN AVERAGED OVER VALOR RATES, ONLY THE 42 OZ/A RATE OF DUAL MAGNUM CAUSED A SIGNIFICANT YIELD REDUCTION (6.5% YIELD LOSS).

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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: May-1-19
 Planting Method: MONOSEM TWIN ROW Rate: 3.5 SEED/FT Depth: 2 IN
 Perennial Age: _____ Row Spacing: _____ Seed Bed: _____
 Soil Temperature: _____ Soil Moisture: OPTIMUM Emergence Date: _____

Plot Width, Unit: 6 FT Plot Length, Unit: 25 FT Reps: 4
 Site Type: _____
 Tillage Type: CONVENTIONAL Study Design: FACTOR
 Trial Initiation Comments: RANCONA VPD SEED TRT; THIMET 20G INFR AT 6.6 LBS/A;
 36"-9" TWIN ROWS; 300 LBS/A 5-15-30 PREPLANT

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	
1.	_____	_____	_____	_____	_____	_____	_____

SOIL DESCRIPTION

Texture: SAND % OM: 0.62 % Sand: 92 % Silt: 6 % Clay: 2
 pH: 6.0 CEC: 2.9 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	0.60	IN	SPRINKLER - LATERAL MOVE	_____	_____
3.	May-3-19	0.73	IN	SPRINKLER - LATERAL MOVE	_____	_____
4.	May-4-19	0.15	IN	RAIN	_____	_____
5.	May-6-19	0.52	IN	SPRINKLER - LATERAL MOVE	_____	_____
6.	May-7-19	1.16	IN	SPRINKLER - LATERAL MOVE	_____	_____
7.	May-8-19	1.34	IN	SPRINKLER - LATERAL MOVE	_____	_____
8.	May-9-19	0.48	IN	SPRINKLER - LATERAL MOVE	_____	_____
9.	May-9-19	0.195	IN	RAINFALL	_____	_____
10.	May-10-19	0.50	IN	SPRINKLER - LATERAL MOVE	_____	_____
11.	May-10-19	0.11	IN	RAINFALL	_____	_____
12.	May-11-19	0.66	IN	RAINFALL	_____	_____
13.	May-12-19	0.24	IN	RAINFALL	_____	_____
14.	May-16-19	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
15.	May-17-19	0.62	IN	RAINFALL	_____	_____
16.	May-29-19	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
17.	Jun-3-19	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
18.	Jun-5-19	0.30	IN	RAINFALL	_____	_____

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

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PEANUT RESPONSE TO VALOR AND DUAL MAGNUM
 HIGH MOISTURE - YEAR 3
 Trial ID: PE-07-19 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

		APPLICATION DESCRIPTION					
		A	B	C	D	E	F
Application Date:	May-3-19						
Time of Day:	7:30 am						
Application Method:	BROADCAST						
Application Timing:	PRE						
Applic. Placement:	SOIL						
Air Temp., Unit:	71 f						
% Relative Humidity:	95						
Wind Velocity, Unit:	1 MPH						
Dew Presence (Y/N):	N						
Water Hardness:	--						
Soil Temp., Unit:	73 F						
Soil Moisture:	DRY						
% 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:	BCKPACK						
Operating Pressure:	38						
Nozzle Type:	AIXR						
Nozzle Size:	11002						
Nozzle Spacing, Unit:	20 IN						
Nozzles/Row:	2						
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 VALOR AND DUAL MAGNUM HIGH MOISTURE - YEAR 3 Trial ID: PE-07-19 Study Dir.: Location: PONDER FARM Investigator: Eric P. Prostko						
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Trt-Eval Interval PRM Data Type # Subsamples, Dec.	----- Arahy	----- Arahy	----- Arahy	----- Arahy	----- Arahy plant - freshwgt g/3 ft	----- Arahy J-Root #/3 ft
	Injury Percent May-14-19	Injury Percent May-16-19	Injury Percent May-21-19	density #/3 ft May-23-19	May-23-19	May-23-19
	11 DA-A	13 DA-A	18 DA-A	20 DA-A	20 DA-A	20 DA-A
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Code
	1	2	3	4	5	6
TABLE OF R MEANS						
Replicate 1	39.6	34.6	32.1	16.3	76.6	5.7
Replicate 2	38.8	43.3	35.4	16.2	75.4	5.3
Replicate 3	36.7	39.6	25.8	15.0	70.4	4.8
Replicate 4	40.4	41.7	28.8	16.9	89.9	4.5
TABLE OF A (VALOR RATE) MEANS						
1 VALOR SX	51 WG	3.0 oz/a	PRE A	36.6 b	35.9 b	27.8 b
2 VALOR SX	51 WG	6.0 oz/a	PRE A	16.2 -	81.6 a	4.8 -
3 NO VALOR				70.6 a	72.5 a	48.1 a
				15.6 -	62.0 b	5.2 -
				9.4 c	10.9 c	15.6 c
				16.5 -	90.7 a	5.3 -
LSD P=.10	7.01	8.07	8.64	1.50	12.26	1.35
Standard Deviation	10.20	11.75	12.58	2.19	17.84	1.97
CV	26.25	29.52	41.21	13.58	22.85	38.69
TABLE OF B (DUAL MAGNUM RATE) MEANS						
1 DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE A	38.8 b	39.2 b	29.6 b
2 DUAL MAGNUM	7.62 EC	21.0 oz/a	PRE A	15.8 -	77.0 b	4.4 b
3 DUAL MAGNUM	7.62 EC	42.0 oz/a	PRE A	39.2 b	41.3 b	28.3 b
4 NO DUAL MAGNUM				16.1 -	74.4 bc	4.9 b
				48.8 a	47.9 a	41.7 a
				16.3 -	69.3 c	6.6 a
				28.8 c	30.8 c	22.5 c
				16.3 -	91.7 a	4.4 b
LSD P=.10	5.39	5.35	5.07	1.37	6.71	1.34
Standard Deviation	7.20	7.15	6.77	1.83	8.97	1.78
CV	18.54	17.97	22.20	11.37	11.49	35.11
TABLE OF A (VALOR RATE) B (DUAL MAGNUM RATE) MEANS						
1 VALOR SX	51 WG	3.0 oz/a	PRE A	32.5 d	35.0 -	20.0 -
1 DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE A	16.5 -	88.5 -	4.5 -
2 VALOR SX	51 WG	6.0 oz/a	PRE A	73.8 a	68.8 -	47.5 -
1 DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE A	15.0 -	58.5 -	4.8 -
3 NO VALOR				10.0 f	13.8 -	21.3 -
1 DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE A	15.8 -	84.0 -	4.0 -
1 VALOR SX	51 WG	3.0 oz/a	PRE A	45.0 c	38.8 -	28.8 -
2 DUAL MAGNUM	7.62 EC	21.0 oz/a	PRE A	15.3 -	72.3 -	4.3 -
2 VALOR SX	51 WG	6.0 oz/a	PRE A	65.0 b	71.3 -	45.0 -
2 DUAL MAGNUM	7.62 EC	21.0 oz/a	PRE A	17.3 -	69.8 -	6.3 -
3 NO VALOR				7.5 f	13.8 -	11.3 -
2 DUAL MAGNUM	7.62 EC	21.0 oz/a	PRE A	15.8 -	81.3 -	4.3 -
1 VALOR SX	51 WG	3.0 oz/a	PRE A	48.8 c	47.5 -	37.5 -
3 DUAL MAGNUM	7.62 EC	42.0 oz/a	PRE A	17.0 -	75.8 -	6.8 -
2 VALOR SX	51 WG	6.0 oz/a	PRE A	77.5 a	80.0 -	57.5 -
3 DUAL MAGNUM	7.62 EC	42.0 oz/a	PRE A	14.5 -	49.8 -	5.5 -
3 NO VALOR				20.0 e	16.3 -	30.0 -
3 DUAL MAGNUM	7.62 EC	42.0 oz/a	PRE A	17.3 -	82.3 -	7.5 -
1 VALOR SX	51 WG	3.0 oz/a	PRE A	20.0 e	22.5 -	25.0 -
4 NO DUAL MAGNUM				16.0 -	89.8 -	3.5 -
2 VALOR SX	51 WG	6.0 oz/a	PRE A	66.3 b	70.0 -	42.5 -
4 NO DUAL MAGNUM				15.8 -	70.0 -	4.3 -
3 NO VALOR				0.0 g	0.0 -	0.0 -
4 NO DUAL MAGNUM				17.3 -	115.3 -	5.5 -
LSD P=.10	6.76	8.20	13.94	3.02	16.20	1.83
Standard Deviation	5.51	6.69	11.37	2.46	13.21	1.49
CV	14.19	16.81	37.25	15.29	16.92	29.31

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 VALOR AND DUAL MAGNUM HIGH MOISTURE - YEAR 3 Trial ID: PE-07-19 Study Dir.: Location: PONDER FARM Investigator: Eric P. Prostko						
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Trt-Eval Interval PRM Data Type # Subsamples, Dec.	----- Arahy	----- Arahy	Arahy	Arahy	Arahy	----- ARAHY PLOT - YIELD LBS/PLOT Sep-30-19
J-Root Percent May-23-19	Freshwgt g/plant May-23-19	Stunting Percent Jun-11-19	Stunting Percent Jun-26-19	Stunting Percent Aug-1-19	Stunting Percent Sep-30-19	20 DA-A T1 - 0
20 DA-A T2 - 1	39 DA-A	54 DA-A	90 DA-A	150 DA-A - 1		
Trt Treatment No. Name	Form Conc Type	Rate Unit	Grow Stg	Appl Code		
TABLE OF R MEANS Replicate 1	7	8	9	10	11	12
Replicate 2	35	4.6	16.3	6.3	2.1	21.1
Replicate 3	33	4.7	14.2	7.9	0.8	19.7
Replicate 4	32	4.7	11.7	5.0	0.8	19.4
Replicate 4	27	5.3	10.8	5.4	0.4	19.7
TABLE OF A (VALOR RATE) MEANS						
1 VALOR SX 51 WG 3.0 oz/a PRE A	30 -	5.0 a	9.4 b	4.4 b	0.9 -	20.3 -
2 VALOR SX 51 WG 6.0 oz/a PRE A	34 -	4.0 b	23.4 a	11.6 a	1.6 -	19.9 -
3 NO VALOR	32 -	5.5 a	6.9 b	2.5 b	0.6 -	19.8 -
LSD P=.10	8.2	0.47	5.24	3.59	1.64	1.46
Standard Deviation	11.9	0.68	7.63	5.22	2.39	2.13
CV	37.5	14.11	57.65	84.95	229.78	10.64
TABLE OF B (DUAL MAGNUM RATE) MEANS						
1 DUAL MAGNUM 7.62 EC 16.0 oz/a PRE A	29 b	4.9 b	10.4 b	5.4 b	0.0 b	20.2 a
2 DUAL MAGNUM 7.62 EC 21.0 oz/a PRE A	31 b	4.7 b	13.3 b	5.4 b	1.3 ab	20.1 a
3 DUAL MAGNUM 7.62 EC 42.0 oz/a PRE A	41 a	4.2 c	20.0 a	9.2 a	2.9 a	19.1 b
4 NO DUAL MAGNUM	27 b	5.6 a	9.2 b	4.6 b	0.0 b	20.5 a
LSD P=.10	9.3	0.32	4.75	3.06	1.94	0.78
Standard Deviation	12.5	0.42	6.35	4.09	2.59	1.05
CV	39.1	8.79	48.01	66.54	248.73	5.24
TABLE OF A (VALOR RATE) B (DUAL MAGNUM RATE) MEANS						
1 VALOR SX 51 WG 3.0 oz/a PRE A	27 -	5.4 -	7.5 -	5.0 -	0.0 -	21.3 -
1 DUAL MAGNUM 7.62 EC 16.0 oz/a PRE A	32 -	3.9 -	16.3 -	8.8 -	0.0 -	20.3 -
2 VALOR SX 51 WG 6.0 oz/a PRE A	26 -	5.3 -	7.5 -	2.5 -	0.0 -	19.0 -
1 DUAL MAGNUM 7.62 EC 16.0 oz/a PRE A	29 -	4.7 -	10.0 -	5.0 -	1.3 -	20.3 -
2 VALOR SX 51 WG 6.0 oz/a PRE A	37 -	4.1 -	25.0 -	8.8 -	1.3 -	20.3 -
2 DUAL MAGNUM 7.62 EC 21.0 oz/a PRE A	27 -	5.2 -	5.0 -	2.5 -	1.3 -	19.7 -
3 NO VALOR 2 DUAL MAGNUM 7.62 EC 21.0 oz/a PRE A	40 -	4.5 -	12.5 -	6.3 -	2.5 -	19.0 -
1 VALOR SX 51 WG 3.0 oz/a PRE A	39 -	3.4 -	32.5 -	16.3 -	5.0 -	18.3 -
2 VALOR SX 51 WG 6.0 oz/a PRE A	44 -	4.8 -	15.0 -	5.0 -	1.3 -	20.1 -
3 DUAL MAGNUM 7.62 EC 42.0 oz/a PRE A	22 -	5.6 -	7.5 -	1.3 -	0.0 -	20.5 -
1 VALOR SX 51 WG 3.0 oz/a PRE A	27 -	4.4 -	20.0 -	12.5 -	0.0 -	20.5 -
2 VALOR SX 51 WG 6.0 oz/a PRE A	32 -	6.6 -	0.0 -	0.0 -	0.0 -	20.4 -
3 NO VALOR 4 NO DUAL MAGNUM	13.1	0.69	10.67	4.03	2.69	1.45
Standard Deviation	10.7	0.57	8.70	3.29	2.19	1.19
CV	33.5	11.75	65.79	53.53	210.40	5.94

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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Weed Code						
Crop Code				-----	-----	
Part Rated				ARAHY	ARAHY	
Rating Data Type				PLOT -	PLOT -	
Rating Unit				YIELD	YIELD	
Rating Date				LBS/PLOT	LBS/A	
Trt-Eval Interval				Sep-30-19	Sep-30-19	
PRM Data Type				150 DA-A	150 DA-A	
# Subsamples, Dec.				T3	TY4	
				- 1	- 0	
Trt Treatment	Form	Form	Rate	Grow	Appl	
No. Name	Conc	Type	Rate	Unit	Stg	Code
						13
						14
TABLE OF R MEANS						
Replicate 1						20.7
Replicate 2						19.3
Replicate 3						19.0
Replicate 4						19.3
TABLE OF A (VALOR RATE) MEANS						
1 VALOR SX	51 WG	3.0 oz/a	PRE	A		19.9 -
2 VALOR SX	51 WG	6.0 oz/a	PRE	A		19.5 -
3 NO VALOR						19.4 -
LSD P=.10						1.43
Standard Deviation						2.08
CV						10.64
TABLE OF B (DUAL MAGNUM RATE) MEANS						
1 DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A		19.8 a
2 DUAL MAGNUM	7.62 EC	21.0 oz/a	PRE	A		19.7 a
3 DUAL MAGNUM	7.62 EC	42.0 oz/a	PRE	A		18.8 b
4 NO DUAL MAGNUM						20.1 a
LSD P=.10						0.77
Standard Deviation						1.02
CV						5.24
TABLE OF A (VALOR RATE) B (DUAL MAGNUM RATE) MEANS						
1 VALOR SX	51 WG	3.0 oz/a	PRE	A		20.9 -
1 DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A		6238 -
2 VALOR SX	51 WG	6.0 oz/a	PRE	A		19.9 -
1 DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A		5945 -
3 NO VALOR						18.6 -
1 DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A		5543 -
1 VALOR SX	51 WG	3.0 oz/a	PRE	A		19.8 -
2 DUAL MAGNUM	7.62 EC	21.0 oz/a	PRE	A		5923 -
2 VALOR SX	51 WG	6.0 oz/a	PRE	A		19.9 -
2 DUAL MAGNUM	7.62 EC	21.0 oz/a	PRE	A		5930 -
3 NO VALOR						19.3 -
2 DUAL MAGNUM	7.62 EC	21.0 oz/a	PRE	A		5755 -
1 VALOR SX	51 WG	3.0 oz/a	PRE	A		18.6 -
3 DUAL MAGNUM	7.62 EC	42.0 oz/a	PRE	A		5565 -
2 VALOR SX	51 WG	6.0 oz/a	PRE	A		18.0 -
3 DUAL MAGNUM	7.62 EC	42.0 oz/a	PRE	A		5360 -
3 NO VALOR						19.6 -
3 DUAL MAGNUM	7.62 EC	42.0 oz/a	PRE	A		5865 -
1 VALOR SX	51 WG	3.0 oz/a	PRE	A		20.1 -
4 NO DUAL MAGNUM						5996 -
2 VALOR SX	51 WG	6.0 oz/a	PRE	A		20.1 -
4 NO DUAL MAGNUM						5996 -
3 NO VALOR						20.0 -
4 NO DUAL MAGNUM						5967 -
LSD P=.10						1.42
Standard Deviation						1.16
CV						5.94

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PEANUT RESPONSE TO VALOR AND DUAL MAGNUM							
HIGH MOISTURE - YEAR 3							
Trial ID:	PE-07-19	Study Dir.:					
Location:	PONDER FARM	Investigator:	Eric P. Prostko				
COMPLETE FACTORIAL AOV For ----- Arahy Injury Percent May-14-19 11 DA-A (Data Column 1)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	35161.979167					
R	3	93.229167	31.076389	1.023	0.4058		
A	2	30138.541667	15069.270833	144.907	0.0001	7.0	
RA	6	623.958333	103.993056				
B	3	2401.562500	800.520833	15.421	0.0007	5.4	
RB	9	467.187500	51.909722				
AB	6	890.625000	148.437500	4.886	0.0040	6.8	
RAB	18	546.875000	30.381944				
COMPLETE FACTORIAL AOV For ----- Arahy Injury Percent May-16-19 13 DA-A (Data Column 2)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	35547.916667					
R	3	518.750000	172.916667	3.865	0.0269		
A	2	30676.041667	15338.020833	111.128	0.0001	8.1	
RA	6	828.125000	138.020833				
B	3	1785.416667	595.138889	11.633	0.0019	5.4	
RB	9	460.416667	51.157407				
AB	6	473.958333	78.993056	1.766	0.1631	8.2	
RAB	18	805.208333	44.733796				
COMPLETE FACTORIAL AOV For ----- Arahy Injury Percent May-21-19 18 DA-A (Data Column 3)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	16111.979167					
R	3	618.229167	206.076389	1.595	0.2256		
A	2	8626.041667	4313.020833	27.270	0.0010	8.6	
RA	6	948.958333	158.159722				
B	3	2330.729167	776.909722	16.929	0.0005	5.1	
RB	9	413.020833	45.891204				
AB	6	848.958333	141.493056	1.095	0.4027	13.9	
RAB	18	2326.041667	129.224537				
COMPLETE FACTORIAL AOV For ----- Arahy density #/3 ft May-23-19 20 DA-A (Data Column 4)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	230.479167					
R	3	23.229167	7.743056	1.277	0.3122		
A	2	6.291667	3.145833	0.657	0.5518	1.5	
RA	6	28.708333	4.784722				
B	3	2.395833	0.798611	0.238	0.8676	1.4	
RB	9	30.187500	3.354167				
AB	6	30.541667	5.090278	0.840	0.5556	3.0	
RAB	18	109.125000	6.062500				
COMPLETE FACTORIAL AOV For ----- Arahy plant freshwgt g/3 ft May-23-19 20 DA-A (Data Column 5)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	20469.666667					
R	3	2498.000000	832.666667	4.772	0.0128		
A	2	6874.291667	3437.145833	10.795	0.0103	12.3	
RA	6	1910.375000	318.395833				
B	3	3325.833333	1108.611111	13.772	0.0010	6.7	
RB	9	724.500000	80.500000				
AB	6	1995.541667	332.590278	1.906	0.1350	16.2	
RAB	18	3141.125000	174.506944				
COMPLETE FACTORIAL AOV For ----- Arahy J-Root #/3 ft May-23-19 20 DA-A (Data Column 6)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	167.666667					
R	3	9.666667	3.222222	1.452	0.2611		
A	2	2.791667	1.395833	0.361	0.7112	1.4	
RA	6	23.208333	3.868056				
B	3	38.000000	12.666667	3.977	0.0466	1.3	
RB	9	28.666667	3.185185				
AB	6	25.375000	4.229167	1.905	0.1351	1.8	
RAB	18	39.958333	2.219907				

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
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PEANUT RESPONSE TO VALOR AND DUAL MAGNUM							
HIGH MOISTURE - YEAR 3							
Trial ID:	PE-07-19	Study Dir.:					
Location:	PONDER FARM	Investigator: Eric P. Prostko					
COMPLETE FACTORIAL AOV For ----- Arahyl J-Root Percent May-23-19 20 DA-A T1 0 (Data Column 7)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	6787.676238					
R	3	499.655950	166.551983	1.457	0.2595		
A	2	143.277554	71.638777	0.502	0.6285	8	
RA	6	855.647299	142.607883				
B	3	1405.096946	468.365649	3.011	0.0871	9	
RB	9	1400.131129	155.570125				
AB	6	426.815119	71.135853	0.622	0.7102	13	
RAB	18	2057.052241	114.280680				
COMPLETE FACTORIAL AOV For ----- Arahyl Freshwgt g/plant May-23-19 20 DA-A T2 1 (Data Column 8)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	45.837968					
R	3	3.484748	1.161583	3.616	0.0334		
A	2	18.890991	9.445495	20.375	0.0021	0.5	
RA	6	2.781440	0.463573				
B	3	11.056372	3.685457	20.466	0.0002	0.3	
RB	9	1.620685	0.180076				
AB	6	2.220882	0.370147	1.152	0.3736	0.7	
RAB	18	5.782850	0.321269				
COMPLETE FACTORIAL AOV For Arahyl Stunting Percent Jun-11-19 39 DA-A (Data Column 9)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	5974.479167					
R	3	218.229167	72.743056	0.960	0.4328		
A	2	2551.041667	1275.520833	21.931	0.0017	5.2	
RA	6	348.958333	58.159722				
B	3	843.229167	281.076389	6.968	0.0101	4.8	
RB	9	363.020833	40.335648				
AB	6	286.458333	47.743056	0.630	0.7044	10.7	
RAB	18	1363.541667	75.752315				
COMPLETE FACTORIAL AOV For Arahyl Stunting Percent Jun-26-19 54 DA-A (Data Column 10)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	1561.979167					
R	3	59.895833	19.965278	1.845	0.1752		
A	2	732.291667	366.145833	13.433	0.0061	3.6	
RA	6	163.541667	27.256944				
B	3	151.562500	50.520833	3.021	0.0865	3.1	
RB	9	150.520833	16.724537				
AB	6	109.375000	18.229167	1.684	0.1822	4.0	
RAB	18	194.791667	10.821759				
COMPLETE FACTORIAL AOV For Arahyl Stunting Percent Aug-1-19 90 DA-A (Data Column 11)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	297.916667					
R	3	18.750000	6.250000	1.301	0.3046		
A	2	7.291667	3.645833	0.636	0.5615	1.6	
RA	6	34.375000	5.729167				
B	3	68.750000	22.916667	3.414	0.0664	1.9	
RB	9	60.416667	6.712963				
AB	6	21.875000	3.645833	0.759	0.6110	2.7	
RAB	18	86.458333	4.803241				
COMPLETE FACTORIAL AOV For ----- ARAHY PLOT YIELD LBS/PLOT Sep-30-19 150 DA-A 1 (Data Column 12)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	47	114.706667					
R	3	22.020000	7.340000	5.223	0.0090		
A	2	2.342917	1.171458	0.259	0.7798	1.5	
RA	6	27.103750	4.517292				
B	3	12.106667	4.035556	3.694	0.0555	0.8	
RB	9	9.833333	1.092593				
AB	6	16.002083	2.667014	1.898	0.1365	1.5	
RAB	18	25.297917	1.405440				

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PEANUT RESPONSE TO VALOR AND DUAL MAGNUM
 HIGH MOISTURE - YEAR 3
 Trial ID: PE-07-19 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE FACTORIAL AOV For ----- ARAHY PLOT YIELD LBS/PLOT Sep-30-19 150 DA-A T3 1 (Data Column 13)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	110.164283				
R	3	21.148008	7.049336	5.223	0.0090	
A	2	2.250137	1.125069	0.259	0.7798	1.4
RA	6	26.030442	4.338407			
B	3	11.627243	3.875748	3.694	0.0555	0.8
RB	9	9.443933	1.049326			
AB	6	15.368401	2.561400	1.898	0.1365	1.4
RAB	18	24.296119	1.349784			

COMPLETE FACTORIAL AOV For ----- ARAHY PLOT YIELD LBS/A Sep-30-19 150 DA-A TY4 0 (Data Column 14)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	9813695.500440				
R	3	1883914.694755	627971.564918	5.223	0.0090	
A	2	200447.553902	100223.776951	0.259	0.7798	427
RA	6	2318853.447228	386475.574538			
B	3	1035782.345042	345260.781681	3.694	0.0555	229
RB	9	841287.972983	93476.441443			
AB	6	1369053.584848	228175.597475	1.898	0.1365	425
RAB	18	2164355.901681	120241.994538			

Part Rated
 plant = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)
PRM Data Type
 T1 = (([C6]/[C4])*100)
 T2 = [C5]/[C4]
 T3 = [C12]*0.98
 TY4 = 298.4667*[13]

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 VALOR AND DUAL MAGNUM HIGH MOISTURE - YEAR 3 Trial ID: PE-07-19 Study Dir.: Location: PONDER FARM Investigator: Eric P. Prostko														
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	PRM Data Type	# Subsamples, Dec.	Arahy	Arahy	Arahy	Arahy	Arahy plant - freshwgt g/3 ft	Arahy J-Root #/3 ft
Trt Treatment	Form Conc	Form Type	Rate	Grow	Appl	Stg	Code	Plot	May-14-19 11 DA-A	May-16-19 13 DA-A	May-21-19 18 DA-A	May-23-19 20 DA-A	May-23-19 20 DA-A	May-23-19 20 DA-A
No. Name									1	2	3	4	5	6
1 VALOR SX DUAL MAGNUM	51 WG	3.0 oz/a	PRE	A	101				30.0	25.0	20.0	17.0	86.0	4.0
	7.62 EC	16.0 oz/a	PRE	A	202				20.0	30.0	10.0	15.0	91.0	4.0
					305				30.0	45.0	25.0	16.0	70.0	5.0
					408				50.0	40.0	25.0	18.0	107.0	5.0
					Mean =				32.5	35.0	20.0	16.5	88.5	4.5
2 VALOR SX DUAL MAGNUM	51 WG	3.0 oz/a	PRE	A	102				40.0	20.0	25.0	16.0	90.0	3.0
	7.62 EC	21.0 oz/a	PRE	A	206				50.0	50.0	30.0	17.0	71.0	4.0
					304				40.0	35.0	25.0	13.0	48.0	5.0
					405				50.0	50.0	35.0	15.0	80.0	5.0
					Mean =				45.0	38.8	28.8	15.3	72.3	4.3
3 VALOR SX DUAL MAGNUM	51 WG	3.0 oz/a	PRE	A	103				30.0	30.0	30.0	18.0	74.0	9.0
	7.62 EC	42.0 oz/a	PRE	A	212				65.0	65.0	50.0	16.0	65.0	7.0
					301				50.0	45.0	20.0	18.0	84.0	3.0
					407				50.0	50.0	50.0	16.0	80.0	8.0
					Mean =				48.8	47.5	37.5	17.0	75.8	6.8
4 VALOR SX NO DUAL MAGNUM	51 WG	3.0 oz/a	PRE	A	104				20.0	15.0	20.0	15.0	75.0	3.0
					203				20.0	25.0	50.0	18.0	92.0	3.0
					310				20.0	20.0	15.0	14.0	75.0	4.0
					406				20.0	30.0	15.0	17.0	117.0	4.0
					Mean =				20.0	22.5	25.0	16.0	89.8	3.5
5 VALOR SX DUAL MAGNUM	51 WG	6.0 oz/a	PRE	A	105				80.0	60.0	60.0	17.0	60.0	3.0
	7.62 EC	16.0 oz/a	PRE	A	201				65.0	65.0	40.0	18.0	68.0	7.0
					307				75.0	85.0	50.0	13.0	55.0	6.0
					401				75.0	65.0	40.0	12.0	51.0	3.0
					Mean =				73.8	68.8	47.5	15.0	58.5	4.8
6 VALOR SX DUAL MAGNUM	51 WG	6.0 oz/a	PRE	A	106				75.0	70.0	50.0	18.0	71.0	6.0
	7.62 EC	21.0 oz/a	PRE	A	210				65.0	75.0	40.0	14.0	67.0	6.0
					311				60.0	75.0	40.0	19.0	71.0	8.0
					409				60.0	65.0	50.0	18.0	70.0	5.0
					Mean =				65.0	71.3	45.0	17.3	69.8	6.3
7 VALOR SX DUAL MAGNUM	51 WG	6.0 oz/a	PRE	A	107				85.0	80.0	60.0	11.0	36.0	7.0
	7.62 EC	42.0 oz/a	PRE	A	205				75.0	75.0	50.0	17.0	59.0	7.0
					308				75.0	85.0	60.0	11.0	39.0	2.0
					403				75.0	80.0	60.0	19.0	65.0	6.0
					Mean =				77.5	80.0	57.5	14.5	49.8	5.5
8 VALOR SX NO DUAL MAGNUM	51 WG	6.0 oz/a	PRE	A	108				75.0	75.0	50.0	13.0	57.0	5.0
					211				65.0	70.0	50.0	18.0	81.0	5.0
					302				60.0	60.0	30.0	17.0	76.0	4.0
					404				65.0	75.0	40.0	15.0	66.0	3.0
					Mean =				66.3	70.0	42.5	15.8	70.0	4.3
9 NO VALOR DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A	109				10.0	15.0	25.0	18.0	90.0	6.0
					204				10.0	20.0	50.0	14.0	62.0	5.0
					306				10.0	5.0	5.0	13.0	71.0	4.0
					402				10.0	15.0	5.0	18.0	113.0	1.0
					Mean =				10.0	13.8	21.3	15.8	84.0	4.0
10 NO VALOR DUAL MAGNUM	7.62 EC	21.0 oz/a	PRE	A	110				10.0	10.0	5.0	17.0	78.0	7.0
					208				10.0	25.0	25.0	15.0	68.0	5.0
					303				0.0	5.0	10.0	16.0	84.0	2.0
					410				10.0	15.0	5.0	15.0	95.0	3.0
					Mean =				7.5	13.8	11.3	15.8	81.3	4.3
11 NO VALOR DUAL MAGNUM	7.62 EC	42.0 oz/a	PRE	A	111				20.0	15.0	40.0	17.0	70.0	9.0
					209				20.0	20.0	30.0	17.0	87.0	7.0
					312				20.0	15.0	30.0	15.0	78.0	8.0
					411				20.0	15.0	20.0	20.0	94.0	6.0
					Mean =				20.0	16.3	30.0	17.3	82.3	7.5

University of Georgia

PEANUT RESPONSE TO VALOR AND DUAL MAGNUM
 HIGH MOISTURE - YEAR 3
 Trial ID: PE-07-19 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

	----- Arahy	----- Arahy	----- Arahy	----- Arahy	----- Arahy plant - freshwgt g/3 ft	----- Arahy J-Root #/3 ft	
Weed Code							
Crop Code							
Part Rated							
Rating Data Type	Injury	Injury	Injury	density	freshwgt	J-Root	
Rating Unit	Percent	Percent	Percent	#/3 ft	g/3 ft	#/3 ft	
Rating Date	May-14-19	May-16-19	May-21-19	May-23-19	May-23-19	May-23-19	
Trt-Eval Interval	11 DA-A	13 DA-A	18 DA-A	20 DA-A	20 DA-A	20 DA-A	
PRM Data Type							
# Subsamples, Dec.							
Trt Treatment	Form	Form	Rate	Grow	Appl		
No. Name	Conc	Type	Rate	Unit	Stg	Code	
	1	2	3	4	5	6	
12 NO VALOR	112	0.0	0.0	0.0	19.0	132.0	6.0
NO DUAL MAGNUM	207	0.0	0.0	0.0	15.0	94.0	4.0
	309	0.0	0.0	0.0	15.0	94.0	7.0
	412	0.0	0.0	0.0	20.0	141.0	5.0
Mean =		0.0	0.0	0.0	17.3	115.3	5.5

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PEANUT RESPONSE TO VALOR AND DUAL MAGNUM HIGH MOISTURE - YEAR 3 Trial ID: PE-07-19 Study Dir.: Location: PONDER FARM Investigator: Eric P. Prostko													
Weed Code													
Crop Code													
Part Rated													
Rating Data Type													
Rating Unit													
Rating Date													
Trt-Eval Interval													
PRM Data Type													
# Subsamples, Dec.													
Trt Treatment	Form	Form	Rate	Grow	Appl								
No. Name	Conc	Type	Rate	Unit	Stg	Code	Plot						
								7	8	9	10	11	12
1 VALOR SX	51	WG	3.0	oz/a	PRE	A	101	24	5.1	5.0	0.0	0.0	23.9
DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE	A	202	27	6.1	5.0	5.0	0.0	21.6
							305	31	4.4	10.0	10.0	0.0	19.8
							408	28	5.9	10.0	5.0	0.0	20.0
							Mean =	27	5.4	7.5	5.0	0.0	21.3
2 VALOR SX	51	WG	3.0	oz/a	PRE	A	102	19	5.6	5.0	0.0	0.0	22.7
DUAL MAGNUM	7.62	EC	21.0	oz/a	PRE	A	206	24	4.2	15.0	5.0	0.0	19.5
							304	38	3.7	10.0	10.0	0.0	19.2
							405	33	5.3	10.0	5.0	5.0	19.6
							Mean =	29	4.7	10.0	5.0	1.3	20.3
3 VALOR SX	51	WG	3.0	oz/a	PRE	A	103	50	4.1	10.0	5.0	10.0	18.9
DUAL MAGNUM	7.62	EC	42.0	oz/a	PRE	A	212	44	4.1	20.0	10.0	0.0	19.9
							301	17	4.7	0.0	5.0	0.0	19.5
							407	50	5.0	20.0	5.0	0.0	17.8
							Mean =	40	4.5	12.5	6.3	2.5	19.0
4 VALOR SX	51	WG	3.0	oz/a	PRE	A	104	20	5.0	10.0	0.0	0.0	21.5
NO DUAL MAGNUM							203	17	5.1	10.0	5.0	0.0	21.4
							310	29	5.4	10.0	0.0	0.0	18.2
							406	24	6.9	0.0	0.0	0.0	20.9
							Mean =	22	5.6	7.5	1.3	0.0	20.5
5 VALOR SX	51	WG	6.0	oz/a	PRE	A	105	18	3.5	20.0	10.0	0.0	20.8
DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE	A	201	39	3.8	10.0	10.0	0.0	21.7
							307	46	4.2	30.0	10.0	0.0	18.8
							401	25	4.3	5.0	5.0	0.0	20.0
							Mean =	32	3.9	16.3	8.8	0.0	20.3
6 VALOR SX	51	WG	6.0	oz/a	PRE	A	106	33	3.9	20.0	10.0	5.0	19.8
DUAL MAGNUM	7.62	EC	21.0	oz/a	PRE	A	210	43	4.8	20.0	10.0	0.0	21.3
							311	42	3.7	30.0	0.0	0.0	21.0
							409	28	3.9	30.0	15.0	0.0	19.0
							Mean =	37	4.1	25.0	8.8	1.3	20.3
7 VALOR SX	51	WG	6.0	oz/a	PRE	A	107	64	3.3	40.0	20.0	10.0	19.8
DUAL MAGNUM	7.62	EC	42.0	oz/a	PRE	A	205	41	3.5	30.0	20.0	5.0	19.1
							308	18	3.5	30.0	10.0	5.0	17.7
							403	32	3.4	30.0	15.0	0.0	16.7
							Mean =	39	3.4	32.5	16.3	5.0	18.3
8 VALOR SX	51	WG	6.0	oz/a	PRE	A	108	38	4.4	40.0	20.0	0.0	20.5
NO DUAL MAGNUM							211	28	4.5	20.0	10.0	0.0	20.4
							302	24	4.5	0.0	10.0	0.0	21.0
							404	20	4.4	20.0	10.0	0.0	20.1
							Mean =	27	4.4	20.0	12.5	0.0	20.5
9 NO VALOR							109	33	5.0	20.0	0.0	0.0	20.5
DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE	A	204	36	4.4	10.0	5.0	0.0	19.1
							306	31	5.5	0.0	0.0	0.0	18.4
							402	6	6.3	0.0	5.0	0.0	17.8
							Mean =	26	5.3	7.5	2.5	0.0	19.0
10 NO VALOR							110	41	4.6	10.0	0.0	0.0	21.9
DUAL MAGNUM	7.62	EC	21.0	oz/a	PRE	A	208	33	4.5	10.0	5.0	0.0	17.1
							303	13	5.3	0.0	5.0	5.0	18.1
							410	20	6.3	0.0	0.0	0.0	21.6
							Mean =	27	5.2	5.0	2.5	1.3	19.7
11 NO VALOR							111	53	4.1	15.0	10.0	0.0	21.5
DUAL MAGNUM	7.62	EC	42.0	oz/a	PRE	A	209	41	5.1	20.0	10.0	5.0	16.8
							312	53	5.2	20.0	0.0	0.0	20.6
							411	30	4.7	5.0	0.0	0.0	21.3
							Mean =	44	4.8	15.0	5.0	1.3	20.1

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PEANUT RESPONSE TO VALOR AND DUAL MAGNUM HIGH MOISTURE - YEAR 3 Trial ID: PE-07-19 Study Dir.: Location: PONDER FARM Investigator: Eric P. Prostko						
	----- Arahy	----- Arahy	Arahy	Arahy	Arahy	----- ARAHY PLOT - YIELD LBS/PLOT Sep-30-19 150 DA-A
Weed Code	J-Root	Freshwgt	Stunting	Stunting	Stunting	
Crop Code	Percent	g/plant	Percent	Percent	Percent	
Part Rated	May-23-19	May-23-19	Jun-11-19	Jun-26-19	Aug-1-19	
Rating Data Type	20 DA-A	20 DA-A	39 DA-A	54 DA-A	90 DA-A	
Rating Unit	T1	T2				
Rating Date	- 0	- 1				- 1
Trt-Eval Interval						
PRM Data Type						
# Subsamples, Dec.						
Trt Treatment	Form	Form	Rate	Grow	Appl	
No. Name	Conc	Type	Rate	Unit	Stg	Code Plot
	7				8	
					9	
					10	
					11	
					12	
12 NO VALOR					32	6.9
NO DUAL MAGNUM					27	6.3
					47	6.3
					25	7.1
					32	6.6
Mean =						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						21.6
						18.7
						20.1
						21.2
						20.4

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PEANUT RESPONSE TO VALOR AND DUAL MAGNUM HIGH MOISTURE - YEAR 3 Trial ID: PE-07-19 Study Dir.: Location: PONDER FARM Investigator: Eric P. Prostko								
Weed Code					-----	-----		
Crop Code					ARAHY	ARAHY		
Part Rated					PLOT -	PLOT -		
Rating Data Type					YIELD	YIELD		
Rating Unit					LBS/PLOT	LBS/A		
Rating Date					Sep-30-19	Sep-30-19		
Trt-Eval Interval					150 DA-A	150 DA-A		
PRM Data Type					T3	TY4		
# Subsamples, Dec.					- 1	- 0		
Trt Treatment	Form	Form	Rate	Grow	Appl			
No. Name	Conc	Type	Rate	Unit	Stg Code	Plot	13	14
1 VALOR SX	51	WG	3.0	oz/a	PRE A	101	23.4	6991
DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE A	202	21.2	6318
						305	19.4	5791
						408	19.6	5850
						Mean =	20.9	6238
2 VALOR SX	51	WG	3.0	oz/a	PRE A	102	22.2	6640
DUAL MAGNUM	7.62	EC	21.0	oz/a	PRE A	206	19.1	5704
						304	18.8	5616
						405	19.2	5733
						Mean =	19.8	5923
3 VALOR SX	51	WG	3.0	oz/a	PRE A	103	18.5	5528
DUAL MAGNUM	7.62	EC	42.0	oz/a	PRE A	212	19.5	5821
						301	19.1	5704
						407	17.4	5206
						Mean =	18.6	5565
4 VALOR SX	51	WG	3.0	oz/a	PRE A	104	21.1	6289
NO DUAL MAGNUM						203	21.0	6259
						310	17.8	5323
						406	20.5	6113
						Mean =	20.1	5996
5 VALOR SX	51	WG	6.0	oz/a	PRE A	105	20.4	6084
DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE A	201	21.3	6347
						307	18.4	5499
						401	19.6	5850
						Mean =	19.9	5945
6 VALOR SX	51	WG	6.0	oz/a	PRE A	106	19.4	5791
DUAL MAGNUM	7.62	EC	21.0	oz/a	PRE A	210	20.9	6230
						311	20.6	6142
						409	18.6	5557
						Mean =	19.9	5930
7 VALOR SX	51	WG	6.0	oz/a	PRE A	107	19.4	5791
DUAL MAGNUM	7.62	EC	42.0	oz/a	PRE A	205	18.7	5587
						308	17.3	5177
						403	16.4	4885
						Mean =	18.0	5360
8 VALOR SX	51	WG	6.0	oz/a	PRE A	108	20.1	5996
NO DUAL MAGNUM						211	20.0	5967
						302	20.6	6142
						404	19.7	5879
						Mean =	20.1	5996
9 NO VALOR	7.62	EC	16.0	oz/a	PRE A	109	20.1	5996
DUAL MAGNUM						204	18.7	5587
						306	18.0	5382
						402	17.4	5206
						Mean =	18.6	5543
10 NO VALOR	7.62	EC	21.0	oz/a	PRE A	110	21.5	6406
DUAL MAGNUM						208	16.8	5002
						303	17.7	5294
						410	21.2	6318
						Mean =	19.3	5755
11 NO VALOR	7.62	EC	42.0	oz/a	PRE A	111	21.1	6289
DUAL MAGNUM						209	16.5	4914
						312	20.2	6025
						411	20.9	6230
						Mean =	19.6	5865

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PEANUT RESPONSE TO VALOR AND DUAL MAGNUM
 HIGH MOISTURE - YEAR 3
 Trial ID: PE-07-19 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code	-----	-----
Crop Code	ARAHY	ARAHY
Part Rated	PLOT -	PLOT -
Rating Data Type	YIELD	YIELD
Rating Unit	LBS/PLOT	LBS/A
Rating Date	Sep-30-19	Sep-30-19
Trt-Eval Interval	150 DA-A	150 DA-A
PRM Data Type	T3	TY4
# Subsamples, Dec.	- 1	- 0
Trt Treatment	Form Form	Rate Grow Appl
No. Name	Conc Type Rate Unit Stg Code Plot	13 14
12 NO VALOR	112	21.2 6318
NO DUAL MAGNUM	207	18.3 5470
	309	19.7 5879
	412	20.8 6201
	Mean =	20.0 5967

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PEANUT RESPONSE TO VALOR AND DUAL MAGNUM HIGH MOISTURE - YEAR 3	
Trial ID:	PE-07-19 Study Dir.:
Location:	PONDER FARM Investigator: Eric P. Prostko
<u>Part Rated</u> plant = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)	
<u>PRM Data Type</u> T1 = $(\frac{[C6]}{[C4]}) * 100$ T2 = $\frac{[C5]}{[C4]}$ T3 = $[C12] * 0.98$ TY4 = $298.4667 * [13]$	