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PEANUT RESPONSE TO GRAZON P+D - TEST 2
YEAR 2
Trial ID: PE-03-16 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 4 Plots: 6 by 25 feet
Spray vol: 15 GAL/AC Mix Size: 1.5 liters (.78211 liters calculated mix size)

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Rep 1	2	3	4
1	GRAZON P + D PRE	2.54	SL	2.4	oz/a	POST	A	1.875 ml/mx	101	216	302	407
2	GRAZON P + D 30 DAP	2.54	SL	2.4	oz/a	POST	A	1.875 ml/mx	102	208	303	416
3	GRAZON P + D 59 DAP	2.54	SL	2.4	oz/a	POST	A	1.875 ml/mx	103	212	307	408
4	GRAZON P + D 91 DAP	2.54	SL	2.4	oz/a	POST	A	1.875 ml/mx	104	201	309	404
5	GRAZON P + D PRE	2.54	SL	0.24	oz/a	POST	A	0.1875 ml/mx	105	214	306	415
6	GRAZON P + D 30 DAP	2.54	SL	0.24	oz/a	POST	A	0.1875 ml/mx	106	211	312	409
7	GRAZON P + D 59 DAP	2.54	SL	0.24	oz/a	POST	A	0.1875 ml/mx	107	203	315	410
8	GRAZON P + D 91 DAP	2.54	SL	0.24	oz/a	POST	A	0.1875 ml/mx	108	202	311	401
9	GRAZON P + D PRE	2.54	SL	0.08	oz/a	POST	A	.06249 ml/mx	109	205	313	411
10	GRAZON P + D 30 DAP	2.54	SL	0.08	oz/a	POST	A	.06249 ml/mx	110	204	314	412
11	GRAZON P + D 59 DAP	2.54	SL	0.08	oz/a	POST	A	.06249 ml/mx	111	215	301	413
12	GRAZON P + D 91 DAP	2.54	SL	0.08	oz/a	POST	A	.06249 ml/mx	112	213	305	402
13	GRAZON P + D PRE	2.54	SL	0.0	oz/a	POST	A		113	209	308	414
14	GRAZON P + D 30 DAP	2.54	SL	0.0	oz/a	POST	A		114	207	310	403
15	GRAZON P + D 59 DAP	2.54	SL	0.0	oz/a	POST	A		115	206	304	405
16	GRAZON P + D 91 DAP	2.54	SL	0.0	oz/a	POST	A		116	210	316	406

Sort Order: Treatment

Trial Comments

PROWL H2O (32 OZ/A) + STRONGARM (0.225 OZ/A) + VALOR (3 OZ/A) - PRE

MAINTAINED WEED-FREE

GRAZON P + D = 2,4-D (2 LBS) + PICLORAM (0.54 LBS)
2.4 oz/A = 1/10th X rate
0.24 oz/A = 1/100th X rate
0.08 oz/A = 1/300th X rate

PEANUT LEAF ROLL: 1-4 SCALE: 1 =NONE, 2 =SLIGHT, 3 = MODERATE, 4 = SEVERE

DIGGING DATE: SEPTEMBER 8
HARVEST DATE: SEPTEMBER 13
HARVEST MOISTURE: 9.9%
YIELDS ADJUSTED TO 10% MOISTURE.
2% DEDUCTION FOR FM.

SUMMARY:

1) ON AUGUST 25 (121 DAP), THERE WAS A SIGNIFICANT INTERACTION BETWEEN GRAZON RATE AND TIME OF APPLICATION FOR PEANUT LEAF ROLL RATINGS. AT THIS TIME, THE FOLLOWING TREATMENTS CONTINUED TO CAUSE EXCESSIVE PEANUT LEAF ROLL:

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2.4 OZ/A APPLIED 30 DAP OR 59 DAP
0.24 OZ/A APPLIED 59 DAP
0.08 OZ/A APPLIED 59 DAP

2) FOR PLANT HEIGHTS AT 121 DAP, THERE WAS A SIGNIFICANT INTERACTION BETWEEN GRAZON P+D RATE AND TIME OF APPLICATION. PLANT HEIGHTS WERE SIGNIFICANTLY REDUCED BY THE FOLLOWING:

2.4 OZ/A APPLIED PRE OR 59 DAP
0.24 OZ/A APPLIED 59 DAP
0.08 OZ/A APPLIED 91 DAP

3) THERE WAS A SIGNIFICANT INTERACTION BETWEEN GRAZON RATE AND TIME OF APPLICATION FOR YIELD EFFECTS. PEANUT YIELDS WERE SIGNIFICANTLY REDUCED BY 2.4 OZ/A OF GRAZON P+D APPLIED PRE OR 59 DAP (13% AND 28% YIELD LOSS, RESPECTIVELY). NO OTHER RATE + TIMING CAUSED A SIGNIFICANT YIELD LOSS.

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PEANUT RESPONSE TO GRAZON P+D - TEST 2
YEAR 2
Trial ID: PE-03-16 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: _____ **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-26-16
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:** 4
Site Type: _____
Tillage Type: CONVENTIONAL **Study Design:** FACTOR
Trial Initiation Comments: DYNASTY PD SEED TRT; THIMET INFR; 36"-9" TWIN ROWS

Previous:	Crops	Pesticides	Year
1.	COTTON	2015	____

MAINTENANCE

Field Prep./Maintenance: _____

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

SOIL DESCRIPTION

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

MOISTURE CONDITIONS

On:	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Apr-28-16	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	___
2.	May-9-16	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	___
3.	May-13-16	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	___
4.	May-17-16	_____	1.54	IN	RAINFALL	_____	___
5.	May-19-16	_____	0.33	IN	RAINFALL	_____	___
6.	May-25-16	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	___
7.	May-31-16	_____	0.35	IN	SPRINKLER - LATERAL MOVE	_____	___
8.	Jun-2-16	_____	0.35	IN	SPRINKLER - LATERAL MOVE	_____	___

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

APPLICATION DESCRIPTION

	A		B		C		D		E	F
Application Date:	Apr-27-16		May-26-16		Jun-24-16		Jul-26-16		_____	_____
Time of Day:	8:00 AM		7:50 AM		7:30 AM		7:45 AM		_____	_____
Application Method:	BROADCAST		BROADCAST		BROADCAST		BROADCAST		_____	_____
Application Timing:	PRE		30 DAP		59 DAP		91 DAP		_____	_____
Applic. Placement:	SOIL		FOLIAGE		FOLIAGE		FOLIAGE		_____	_____
Air Temp., Unit:	67	F	75	F	80	F	88	F	____ _	____ _
% Relative Humidity:	87		48		55		47		_____	_____
Wind Velocity, Unit:	1	MPH	1	MPH	1	MPH	0	MPH	____ ____	____ ____
Dew Presence (Y/N):	N		Y		Y		Y		_	_
Water Hardness:	--		--		--		--		_____	_____
Soil Temp., Unit:	70	F	70	F	77	F	83	F	____ _	____ _
Soil Moisture:	OPTIMUM		OPTIMUM		OPTIMUM		DRY		_____	_____
% Cloud Cover:	100		5		20		0		_____	_____

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CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Crop 1 Stage:	ARAHY					
Stage Scale:		V6-V7	R3-R4	R6		
Height, Unit:		4 IN	10 IN	12 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:	BACKAPCK	SAME	SAME	SAME		
Operating Pressure:	38					
Nozzle Type:	AIXR					
Nozzle Size:	11002					
Nozzle Spacing, Unit:	20	IN				
Nozzles/Row:						
Band Width, Unit:						
Boom Length, Unit:	60	IN				
Boom Height, Unit:	20	IN				
Ground Speed, Unit:	3.5	MPH				
Incorporation Equip.:						
Hours to Incorp.:						
Incorp. Depth, Unit:						
Carrier:	WATER	WATER				
Spray Volume, Unit:	15	GPA				
Spray pH:						
Propellant:	CO2	CO2				
Tank Mix (Y/N):	_	_	_	_	_	_

Trt No **Treatment Application Comment**

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PEANUT RESPONSE TO GRAZON P+D - TEST 2
YEAR 2
Trial ID: PE-03-16 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6	7
Weed Code								----	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	-----
Crop Code								ARAHY	LEAF	LEAF	LEAF	LEAF	LEAF	ARAHY
Part Rated								PLANT -	ROLL -	ROLL -	ROLL -	ROLL -	ROLL -	PLANT -
Rating Data Type								STUNTING						HEIGHT1
Rating Unit								PERCENT	1-4	1-4	1-4	1-4	1-4	IN
Rating Date								May-26-16	May-26-16	Jun-16-16	Jul-5-16	Aug-12-16	Aug-25-16	Aug-25-16
PRM Data Type														
# Subsamples, Dec.														
TABLE OF R MEANS														
Replicate 1								3.8	1.19	1.28	1.469	1.50	1.38	12.38
Replicate 2								3.1	1.25	1.34	1.453	1.44	1.25	11.47
Replicate 3								2.8	1.22	1.31	1.500	1.59	1.47	11.00
Replicate 4								2.5	1.28	1.25	1.438	1.47	1.38	11.19
TABLE OF A (Rate) MEANS														
1	GRAZON P + D	2.54	SL	2.4	oz/a	POST	A	10.9 a	1.75 a	2.13 a	1.797 a	2.09 a	1.84 a	11.13 a
2	GRAZON P + D	2.54	SL	0.24	oz/a	POST	A	0.6 b	1.13 b	1.06 b	1.688 a	1.72 b	1.50 b	11.94 a
3	GRAZON P + D	2.54	SL	0.08	oz/a	POST	A	0.6 b	1.06 bc	1.00 b	1.375 b	1.19 c	1.13 c	11.38 a
4	GRAZON P + D	2.54	SL	0.0	oz/a	POST	A	0.0 b	1.00 c	1.00 b	1.000 c	1.00 c	1.00 c	11.59 a
LSD P=.10								2.06	0.071	0.105	0.1338	0.235	0.220	0.734
Standard Deviation								3.18	0.110	0.161	0.2065	0.363	0.339	1.132
CV								104.37	8.931	12.443	14.0972	24.216	24.806	9.838
TABLE OF B (Timing) MEANS														
1	PRE							12.2 a	1.94 a	1.38 b	1.094 c	1.13 c	1.03 c	11.56 a
2	30 DAP							0.0 b	1.00 b	1.81 a	1.391 b	1.44 b	1.31 b	11.19 a
3	59 DAP							0.0 b	1.00 b	1.00 c	2.375 a	2.41 a	2.09 a	11.44 a
4	91 DAP							0.0 b	1.00 b	1.00 c	1.000 c	1.03 c	1.03 c	11.84 a
LSD P=.10								1.38	0.105	0.105	0.1132	0.247	0.163	0.827
Standard Deviation								2.13	0.161	0.161	0.1746	0.382	0.251	1.276
CV								70.06	13.073	12.443	11.9204	25.459	18.349	11.091
TABLE OF A (Rate) B (Timing) MEANS														
1	GRAZON P + D	2.54	SL	2.4	oz/a	POST	A	43.8 a	4.00 a	2.50 b	1.250 c	1.38 e	1.13 d	11.00 a
1	PRE													
2	GRAZON P + D	2.54	SL	0.24	oz/a	POST	A	2.5 b	1.50 b	1.00 d	1.125 cd	1.13 ef	1.00 d	12.25 a
1	PRE													
3	GRAZON P + D	2.54	SL	0.08	oz/a	POST	A	2.5 b	1.25 c	1.00 d	1.000 d	1.00 f	1.00 d	11.25 a
1	PRE													
4	GRAZON P + D	2.54	SL	0.0	oz/a	POST	A	0.0 b	1.00 d	1.00 d	1.000 d	1.00 f	1.00 d	11.75 a
1	PRE													
1	GRAZON P + D	2.54	SL	2.4	oz/a	POST	A	0.0 b	1.00 d	4.00 a	2.438 b	2.75 c	2.25 b	11.25 a
2	30 DAP													
2	GRAZON P + D	2.54	SL	0.24	oz/a	POST	A	0.0 b	1.00 d	1.25 c	1.125 cd	1.00 f	1.00 d	10.75 a
2	30 DAP													
3	GRAZON P + D	2.54	SL	0.08	oz/a	POST	A	0.0 b	1.00 d	1.00 d	1.000 d	1.00 f	1.00 d	11.50 a
2	30 DAP													
4	GRAZON P + D	2.54	SL	0.0	oz/a	POST	A	0.0 b	1.00 d	1.00 d	1.000 d	1.00 f	1.00 d	11.25 a
2	30 DAP													
1	GRAZON P + D	2.54	SL	2.4	oz/a	POST	A	0.0 b	1.00 d	1.00 d	2.500 b	3.25 b	2.88 a	10.25 a
3	59 DAP													
2	GRAZON P + D	2.54	SL	0.24	oz/a	POST	A	0.0 b	1.00 d	1.00 d	3.500 a	3.63 a	3.00 a	12.00 a
3	59 DAP													
3	GRAZON P + D	2.54	SL	0.08	oz/a	POST	A	0.0 b	1.00 d	1.00 d	2.500 b	1.75 d	1.50 c	11.75 a
3	59 DAP													
4	GRAZON P + D	2.54	SL	0.0	oz/a	POST	A	0.0 b	1.00 d	1.00 d	1.000 d	1.00 f	1.00 d	11.75 a
3	59 DAP													
1	GRAZON P + D	2.54	SL	2.4	oz/a	POST	A	0.0 b	1.00 d	1.00 d	1.000 d	1.00 f	1.13 d	12.00 a
4	91 DAP													

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 Rating Data Type Rating Unit							---- ARAHY PLANT - STUNTING PERCENT	ARAHY LEAF ROLL - 1-4	ARAHY LEAF ROLL - 1-4	ARAHY LEAF ROLL - 1-4	ARAHY LEAF ROLL - 1-4	ARAHY LEAF ROLL - 1-4	----- ARAHY PLANT - HEIGHT1 IN
Rating Date							May-26-16	May-26-16	Jun-16-16	Jul-5-16	Aug-12-16	Aug-25-16	Aug-25-16
PRM Data Type # Subsamples, Dec.													
Trt No. Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6	7
2 GRAZON P + D 4 91 DAP	2.54	SL	0.24	oz/a	POST	A	0.0 b	1.00 d	1.00 d	1.000 d	1.13 ef	1.00 d	12.75 a
3 GRAZON P + D 4 91 DAP	2.54	SL	0.08	oz/a	POST	A	0.0 b	1.00 d	1.00 d	1.000 d	1.00 f	1.00 d	11.00 a
4 GRAZON P + D 4 91 DAP	2.54	SL	0.0	oz/a	POST	A	0.0 b	1.00 d	1.00 d	1.000 d	1.00 f	1.00 d	11.63 a
LSD P=.10							3.83	0.133	0.194	0.1980	0.350	0.267	1.625
Standard Deviation							3.18	0.110	0.161	0.1644	0.291	0.221	1.349
CV							104.37	8.931	12.443	11.2211	19.378	16.198	11.726

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Weed Code	-----	-----	-----	-----	-----	-----	-----
Crop Code	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY
Part Rated	PLANT -	PLANT -	PLANT -	PLANT -	PLANT -	PLOT -	PLOT -
Rating Data Type	HEIGHT2	HEIGHT3	HEIGHT4	HEIGHT5	AVERAGE	YIELD	YIELD
Rating Unit	IN	IN	IN	IN	IN	LBS/PLOT	LBS/PLOT
Rating Date	Aug-25-16	Aug-25-16	Aug-25-16	Aug-25-16	Aug-25-16	Sep-13-16	Sep-13-16
PRM Data Type					T1		T2
# Subsamples, Dec.					- 1	- 2	- 2
Trt Treatment Form Form Rate Grow Appl No. Name Conc Type Rate Unit Stg Code	8	9	10	11	12	13	14
TABLE OF R MEANS Replicate 1	10.84	11.34	11.50	11.59	11.5	16.98	16.64
Replicate 2	11.03	11.06	10.75	11.59	11.2	15.86	15.54
Replicate 3	11.25	10.81	11.06	11.13	11.1	15.68	15.37
Replicate 4	11.13	11.44	11.81	11.81	11.5	17.38	17.03
TABLE OF A (Rate) MEANS 1 GRAZON P + D 2.54 SL 2.4 oz/a POST A	10.38 c	10.72 a	10.88 a	10.91 c	10.8 c	14.61 b	14.32 b
2 GRAZON P + D 2.54 SL 0.24 oz/a POST A	10.78 bc	11.28 a	10.88 a	11.34 bc	11.2 b	17.08 a	16.74 a
3 GRAZON P + D 2.54 SL 0.08 oz/a POST A	11.38 ab	11.13 a	11.84 a	11.75 ab	11.5 ab	17.31 a	16.97 a
4 GRAZON P + D 2.54 SL 0.0 oz/a POST A	11.72 a	11.53 a	11.53 a	12.13 a	11.7 a	16.90 a	16.56 a
LSD P=.10	0.777	0.780	0.769	0.532	0.39	0.716	0.701
Standard Deviation	1.199	1.203	1.186	0.821	0.60	1.104	1.082
CV	10.838	10.780	10.512	7.118	5.28	6.702	6.702
TABLE OF B (Timing) MEANS 1 PRE	10.72 a	10.75 a	11.38 a	11.47 a	11.2 a	16.37 a	16.04 a
2 30 DAP	11.00 a	11.41 a	11.22 a	11.44 a	11.3 a	16.64 a	16.31 a
3 59 DAP	10.81 a	11.25 a	11.09 a	11.69 a	11.3 a	16.19 a	15.86 a
4 91 DAP	11.72 a	11.25 a	11.44 a	11.53 a	11.6 a	16.71 a	16.37 a
LSD P=.10	0.790	0.628	0.619	0.690	0.41	0.584	0.572
Standard Deviation	1.219	0.968	0.956	1.064	0.63	0.901	0.883
CV	11.020	8.675	8.471	9.226	5.61	5.469	5.469
TABLE OF A (Rate) B (Timing) MEANS 1 GRAZON P + D 2.54 SL 2.4 oz/a POST A 1 PRE	9.75 d	10.00 e	10.75 a	10.88 de	10.5 ef	14.70 f	14.41 f
2 GRAZON P + D 2.54 SL 0.24 oz/a POST A 1 PRE	10.88 bcd	10.50 cde	11.00 a	11.25 cde	11.2 b-e	16.28 c-f	15.95 c-f
3 GRAZON P + D 2.54 SL 0.08 oz/a POST A 1 PRE	11.50 bc	10.75 b-e	12.00 a	12.50 ab	11.6 abc	17.73 abc	17.37 abc
4 GRAZON P + D 2.54 SL 0.0 oz/a POST A 1 PRE	10.75 bcd	11.75 ab	11.75 a	11.25 cde	11.5 a-d	16.76 bcd	16.43 bcd
1 GRAZON P + D 2.54 SL 2.4 oz/a POST A 2 30 DAP	10.25 d	10.75 b-e	11.00 a	10.75 de	10.8 def	14.91 ef	14.61 ef
2 GRAZON P + D 2.54 SL 0.24 oz/a POST A 2 30 DAP	10.50 cd	11.50 abc	11.25 a	11.75 bcd	11.2 b-e	17.45 abc	17.10 abc
3 GRAZON P + D 2.54 SL 0.08 oz/a POST A 2 30 DAP	11.75 b	12.00 a	11.50 a	11.25 cde	11.6 abc	18.44 a	18.07 a
4 GRAZON P + D 2.54 SL 0.0 oz/a POST A 2 30 DAP	11.50 bc	11.38 abc	11.13 a	12.00 bc	11.5 a-d	15.76 def	15.45 def
1 GRAZON P + D 2.54 SL 2.4 oz/a POST A 3 59 DAP	9.75 d	10.13 de	10.25 a	10.50 e	10.2 f	12.38 g	12.13 g
2 GRAZON P + D 2.54 SL 0.24 oz/a POST A 3 59 DAP	10.25 d	11.13 a-d	10.75 a	11.00 cde	11.0 cde	17.59 abc	17.24 abc
3 GRAZON P + D 2.54 SL 0.08 oz/a POST A 3 59 DAP	11.75 b	11.75 ab	11.88 a	11.75 bcd	11.8 ab	16.73 bcd	16.39 bcd
4 GRAZON P + D 2.54 SL 0.0 oz/a POST A 3 59 DAP	11.50 bc	12.00 a	11.50 a	13.50 a	12.1 a	18.06 ab	17.70 ab
1 GRAZON P + D 2.54 SL 2.4 oz/a POST A 4 91 DAP	11.75 b	12.00 a	11.50 a	11.50 b-e	11.8 ab	16.45 b-e	16.12 b-e

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Weed Code							-----	-----	-----	-----	-----	-----	-----
Crop Code							ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY
Part Rated							PLANT -	PLANT -	PLANT -	PLANT -	PLANT -	PLOT -	PLOT -
Rating Data Type							HEIGHT2	HEIGHT3	HEIGHT4	HEIGHT5	AVERAGE	YIELD	YIELD
Rating Unit							IN	IN	IN	IN	IN	LBS/PLOT	LBS/PLOT
Rating Date							Aug-25-16	Aug-25-16	Aug-25-16	Aug-25-16	Aug-25-16	Sep-13-16	Sep-13-16
PRM Data Type											T1		T2
# Subsamples, Dec.											- 1	- 2	- 2
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	8	9	10	11	12	13	14
2 4	GRAZON P + D 91 DAP	2.54	SL	0.24	oz/a	POST	A	11.50 bc	12.00 a	10.50 a	11.38 cde	11.6 abc	17.00 a-d	16.66 a-d
3 4	GRAZON P + D 91 DAP	2.54	SL	0.08	oz/a	POST	A	10.50 cd	10.00 e	12.00 a	11.50 b-e	11.0 cde	16.36 c-f	16.04 c-f
4 4	GRAZON P + D 91 DAP	2.54	SL	0.0	oz/a	POST	A	13.13 a	11.00 a-e	11.75 a	11.75 bcd	11.9 ab	17.01 a-d	16.67 a-d
LSD P=.10								1.151	1.055	1.225	1.083	0.71	1.666	1.633
Standard Deviation								0.956	0.876	1.017	0.899	0.59	1.383	1.355
CV								8.638	7.849	9.017	7.800	5.25	8.395	8.395

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Weed Code								-----	-----
Crop Code								ARAHY	ARAHY
Part Rated								PLOT -	YIELD -
Rating Data Type								YIELD	LOSS
Rating Unit								LBS/A	PERCENT
Rating Date								Sep-13-16	Sep-13-16
PRM Data Type								TY3	
# Subsamples, Dec.								- 0	- 1
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	15	16
TABLE OF R MEANS									
Replicate 1								4838	2.4
Replicate 2								4518	6.1
Replicate 3								4468	4.1
Replicate 4								4952	6.1
TABLE OF A (Rate) MEANS									
1	GRAZON P + D	2.54	SL	2.4	oz/a	POST	A	4162 b	13.2 a
2	GRAZON P + D	2.54	SL	0.24	oz/a	POST	A	4866 a	2.4 b
3	GRAZON P + D	2.54	SL	0.08	oz/a	POST	A	4932 a	3.1 b
4	GRAZON P + D	2.54	SL	0.0	oz/a	POST	A	4815 a	0.0 c
LSD P=.10								203.9	2.40
Standard Deviation								314.6	3.71
CV								6.7	79.31
TABLE OF B (Timing) MEANS									
1	PRE							4663 a	4.5 a
2	30 DAP							4741 a	1.7 a
3	59 DAP							4612 a	8.3 a
4	91 DAP							4760 a	4.2 a
LSD P=.10								166.4	4.40
Standard Deviation								256.7	6.79
CV								5.5	145.16
TABLE OF A (Rate) B (Timing) MEANS									
1 1	GRAZON P + D PRE	2.54	SL	2.4	oz/a	POST	A	4188 f	12.5 b
2 1	GRAZON P + D PRE	2.54	SL	0.24	oz/a	POST	A	4637 c-f	4.5 c
3 1	GRAZON P + D PRE	2.54	SL	0.08	oz/a	POST	A	5050 abc	1.0 c
4 1	GRAZON P + D PRE	2.54	SL	0.0	oz/a	POST	A	4776 bcd	0.0 c
1 2	GRAZON P + D 30 DAP	2.54	SL	2.4	oz/a	POST	A	4249 ef	6.9 bc
2 2	GRAZON P + D 30 DAP	2.54	SL	0.24	oz/a	POST	A	4972 abc	0.0 c
3 2	GRAZON P + D 30 DAP	2.54	SL	0.08	oz/a	POST	A	5253 a	0.0 c
4 2	GRAZON P + D 30 DAP	2.54	SL	0.0	oz/a	POST	A	4491 def	0.0 c
1 3	GRAZON P + D 59 DAP	2.54	SL	2.4	oz/a	POST	A	3526 g	27.9 a
2 3	GRAZON P + D 59 DAP	2.54	SL	0.24	oz/a	POST	A	5011 abc	0.7 c
3 3	GRAZON P + D 59 DAP	2.54	SL	0.08	oz/a	POST	A	4765 bcd	4.7 c
4 3	GRAZON P + D 59 DAP	2.54	SL	0.0	oz/a	POST	A	5146 ab	0.0 c
1 4	GRAZON P + D 91 DAP	2.54	SL	2.4	oz/a	POST	A	4687 b-e	5.6 bc

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Weed Code								-----	-----
Crop Code								ARAHY	ARAHY
Part Rated								PLOT -	YIELD -
Rating Data Type								YIELD	LOSS
Rating Unit								LBS/A	PERCENT
Rating Date								Sep-13-16	Sep-13-16
PRM Data Type								TY3	
# Subsamples, Dec.								- 0	- 1
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	15	16
2	GRAZON P + D 4 91 DAP	2.54	SL	0.24	oz/a	POST	A	4843 a-d	4.7 c
3	GRAZON P + D 4 91 DAP	2.54	SL	0.08	oz/a	POST	A	4662 c-f	6.5 bc
4	GRAZON P + D 4 91 DAP	2.54	SL	0.0	oz/a	POST	A	4847 a-d	0.0 c
LSD P=.10								474.6	7.62
Standard Deviation								394.1	6.32
CV								8.4	135.20

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COMPLETE FACTORIAL AOV For ---- ARAHY PLANT STUNTING PERCENT May-26-16 (Data Column 1)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	63	7530.859375				
R	3	13.671875	4.557292	0.451	0.7189	
A	3	1332.421875	444.140625	43.918	0.0001	2.1
RA	9	91.015625	10.112847			
B	3	1782.421875	594.140625	130.371	0.0001	1.4
RB	9	41.015625	4.557292			
AB	9	3997.265625	444.140625	43.918	0.0001	3.8
RAB	27	273.046875	10.112847			

COMPLETE FACTORIAL AOV For ARAHY LEAF ROLL 1-4 May-26-16 (Data Column 2)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	63	34.484375				
R	3	0.078125	0.026042	2.143	0.1181	
A	3	5.796875	1.932292	159.000	0.0001	0.07
RA	9	0.109375	0.012153			
B	3	10.546875	3.515625	135.000	0.0001	0.10
RB	9	0.234375	0.026042			
AB	9	17.390625	1.932292	159.000	0.0001	0.13
RAB	27	0.328125	0.012153			

COMPLETE FACTORIAL AOV For ARAHY LEAF ROLL 1-4 Jun-16-16 (Data Column 3)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	63	40.859375				
R	3	0.078125	0.026042	1.000	0.4079	
A	3	14.671875	4.890625	187.800	0.0001	0.10
RA	9	0.234375	0.026042			
B	3	7.171875	2.390625	91.800	0.0001	0.10
RB	9	0.234375	0.026042			
AB	9	17.765625	1.973958	75.800	0.0001	0.19
RAB	27	0.703125	0.026042			

COMPLETE FACTORIAL AOV For ARAHY LEAF ROLL 1-4 Jul-5-16 (Data Column 4)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	63	39.233398				
R	3	0.034180	0.011393	0.422	0.7389	
A	3	6.143555	2.047852	48.023	0.0001	0.134
RA	9	0.383789	0.042643			
B	3	19.002930	6.334310	207.747	0.0001	0.113
RB	9	0.274414	0.030490			
AB	9	12.665039	1.407227	52.084	0.0001	0.198
RAB	27	0.729492	0.027018			

COMPLETE FACTORIAL AOV For ARAHY LEAF ROLL 1-4 Aug-12-16 (Data Column 5)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	63	52.000000				
R	3	0.218750	0.072917	0.863	0.4722	
A	3	11.968750	3.989583	30.237	0.0001	0.24
RA	9	1.187500	0.131944			
B	3	18.968750	6.322917	43.357	0.0001	0.25
RB	9	1.312500	0.145833			
AB	9	16.062500	1.784722	21.123	0.0001	0.35
RAB	27	2.281250	0.084491			

COMPLETE FACTORIAL AOV For ARAHY LEAF ROLL 1-4 Aug-25-16 (Data Column 6)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	63	32.121094				
R	3	0.386719	0.128906	2.628	0.0706	
A	3	7.011719	2.337240	20.321	0.0002	0.22
RA	9	1.035156	0.115017			
B	3	12.105469	4.035156	64.117	0.0001	0.16
RB	9	0.566406	0.062934			
AB	9	9.691406	1.076823	21.956	0.0001	0.27
RAB	27	1.324219	0.049045			

COMPLETE FACTORIAL AOV For ----- ARAHY PLANT HEIGHT1 IN Aug-25-16 (Data Column 7)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	63	115.746094				
R	3	17.824219	5.941406	3.263	0.0367	
A	3	5.699219	1.899740	1.482	0.2840	0.73
RA	9	11.535156	1.281684			
B	3	3.574219	1.191406	0.731	0.5588	0.83
RB	9	14.660156	1.628906			
AB	9	13.285156	1.476128	0.811	0.6108	1.63
RAB	27	49.167969	1.821036			

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COMPLETE FACTORIAL AOV For ----- ARAHY PLANT HEIGHT2 IN Aug-25-16 (Data Column 8)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	63	100.250000				
R	3	1.406250	0.468750	0.513	0.6766	
A	3	17.281250	5.760417	4.007	0.0458	0.78
RA	9	12.937500	1.437500			
B	3	9.843750	3.281250	2.208	0.1567	0.79
RB	9	13.375000	1.486111			
AB	9	20.750000	2.305556	2.525	0.0303	1.15
RAB	27	24.656250	0.913194			

COMPLETE FACTORIAL AOV For ----- ARAHY PLANT HEIGHT3 IN Aug-25-16 (Data Column 9)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	63	79.027344				
R	3	3.855469	1.285156	1.674	0.1961	
A	3	5.574219	1.858073	1.283	0.3381	0.78
RA	9	13.035156	1.448351			
B	3	3.917969	1.305990	1.392	0.3071	0.63
RB	9	8.441406	0.937934			
AB	9	23.472656	2.608073	3.397	0.0065	1.06
RAB	27	20.730469	0.767795			

COMPLETE FACTORIAL AOV For ----- ARAHY PLANT HEIGHT4 IN Aug-25-16 (Data Column 10)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	63	76.937500				
R	3	10.562500	3.520833	3.403	0.0319	
A	3	11.343750	3.781250	2.689	0.1093	0.77
RA	9	12.656250	1.406250			
B	3	1.156250	0.385417	0.422	0.7418	0.62
RB	9	8.218750	0.913194			
AB	9	5.062500	0.562500	0.544	0.8296	1.23
RAB	27	27.937500	1.034722			

COMPLETE FACTORIAL AOV For ----- ARAHY PLANT HEIGHT5 IN Aug-25-16 (Data Column 11)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	63	73.437500				
R	3	4.031250	1.343750	1.661	0.1989	
A	3	13.218750	4.406250	6.541	0.0122	0.53
RA	9	6.062500	0.673611			
B	3	0.593750	0.197917	0.175	0.9107	0.69
RB	9	10.187500	1.131944			
AB	9	17.500000	1.944444	2.403	0.0378	1.08
RAB	27	21.843750	0.809028			

COMPLETE FACTORIAL AOV For ----- ARAHY PLANT AVERAGE IN Aug-25-16 T1 1 (Data Column 12)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	63	34.994375				
R	3	2.565625	0.855208	2.427	0.0872	
A	3	7.205625	2.401875	6.738	0.0112	0.4
RA	9	3.208125	0.356458			
B	3	1.365625	0.455208	1.132	0.3869	0.4
RB	9	3.618125	0.402014			
AB	9	7.518125	0.835347	2.371	0.0401	0.7
RAB	27	9.513125	0.352338			

COMPLETE FACTORIAL AOV For ----- ARAHY PLOT YIELD LBS/PLOT Sep-13-16 2 (Data Column 13)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	63	238.555000				
R	3	33.447500	11.149167	5.828	0.0033	
A	3	75.621563	25.207188	20.679	0.0002	0.72
RA	9	10.970938	1.218993			
B	3	2.808438	0.936146	1.153	0.3796	0.58
RB	9	7.305313	0.811701			
AB	9	56.750000	6.305556	3.296	0.0078	1.67
RAB	27	51.651250	1.913009			

COMPLETE FACTORIAL AOV For ----- ARAHY PLOT YIELD LBS/PLOT Sep-13-16 T2 2 (Data Column 14)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	63	229.108222				
R	3	32.122979	10.707660	5.828	0.0033	
A	3	72.626949	24.208983	20.679	0.0002	0.70
RA	9	10.536488	1.170721			
B	3	2.697223	0.899074	1.153	0.3796	0.57
RB	9	7.016022	0.779558			
AB	9	54.502700	6.055856	3.296	0.0078	1.63
RAB	27	49.605861	1.837254			

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COMPLETE FACTORIAL AOV For ----- ARAHY PLOT YIELD LBS/A Sep-13-16 TY3 0 (Data Column 15)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	63	19364155.605043				
R	3	2715022.597389	905007.532463	5.828	0.0033	
A	3	6138407.465031	2046135.821677	20.679	0.0002	204
RA	9	890540.835636	98948.981737			
B	3	227968.265806	75989.421935	1.153	0.3796	166
RB	9	592991.509699	65887.945522			
AB	9	4606552.072541	511839.119171	3.296	0.0078	475
RAB	27	4192672.858942	155284.179961			

COMPLETE FACTORIAL AOV For ----- ARAHY YIELD LOSS PERCENT Sep-13-16 1 (Data Column 16)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	63	4844.994844				
R	3	152.115469	50.705156	1.268	0.3051	
A	3	1635.786719	545.262240	39.638	0.0001	2.4
RA	9	123.805156	13.756128			
B	3	355.405469	118.468490	2.571	0.1191	4.4
RB	9	414.766406	46.085156			
AB	9	1083.685156	120.409462	3.012	0.0127	7.6
RAB	27	1079.430469	39.978906			

Part Rated
PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)
PRM Data Type
T1 = ([C7]+[C8]+[C9]+[C10]+[C11])/5
T2 = [13]*0.98
TY3 = 290.7227*[14]

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PEANUT RESPONSE TO GRAZON P+D - TEST 2
YEAR 2
Trial ID: PE-03-16 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5	6	7
Weed Code									----	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	-----
Crop Code									ARAHY	LEAF	LEAF	LEAF	LEAF	LEAF	ARAHY
Part Rated									PLANT -	ROLL -	ROLL -	ROLL -	ROLL -	ROLL -	PLANT -
Rating Data Type									STUNTING						HEIGHT1
Rating Unit									PERCENT	1-4	1-4	1-4	1-4	1-4	IN
Rating Date									May-26-16	May-26-16	Jun-16-16	Jul-5-16	Aug-12-16	Aug-25-16	Aug-25-16
PRM Data Type															
# Subsamples, Dec.															
1	GRAZON P + D PRE	2.54	SL	2.4	oz/a	POST	A	101	50.0	4.00	2.00	1.000	1.00	1.00	14.00
								216	50.0	4.00	3.00	1.500	1.50	1.00	11.00
								302	45.0	4.00	3.00	1.500	2.00	1.50	10.00
								407	30.0	4.00	2.00	1.000	1.00	1.00	9.00
								Mean =	43.8	4.00	2.50	1.250	1.38	1.13	11.00
2	GRAZON P + D 30 DAP	2.54	SL	2.4	oz/a	POST	A	102	0.0	1.00	4.00	2.500	3.00	2.00	11.00
								208	0.0	1.00	4.00	2.750	3.00	2.00	12.00
								303	0.0	1.00	4.00	2.500	3.00	3.00	11.00
								416	0.0	1.00	4.00	2.000	2.00	2.00	11.00
								Mean =	0.0	1.00	4.00	2.438	2.75	2.25	11.25
3	GRAZON P + D 59 DAP	2.54	SL	2.4	oz/a	POST	A	103	0.0	1.00	1.00	2.500	2.50	2.50	12.00
								212	0.0	1.00	1.00	2.500	3.00	3.00	10.00
								307	0.0	1.00	1.00	2.500	4.00	3.00	9.00
								408	0.0	1.00	1.00	2.500	3.50	3.00	10.00
								Mean =	0.0	1.00	1.00	2.500	3.25	2.88	10.25
4	GRAZON P + D 91 DAP	2.54	SL	2.4	oz/a	POST	A	104	0.0	1.00	1.00	1.000	1.00	1.00	13.00
								201	0.0	1.00	1.00	1.000	1.00	1.00	11.00
								309	0.0	1.00	1.00	1.000	1.00	1.50	12.00
								404	0.0	1.00	1.00	1.000	1.00	1.00	12.00
								Mean =	0.0	1.00	1.00	1.000	1.00	1.13	12.00
5	GRAZON P + D PRE	2.54	SL	0.24	oz/a	POST	A	105	0.0	1.00	1.00	1.000	1.00	1.00	14.00
								214	0.0	1.50	1.00	1.000	1.00	1.00	12.00
								306	0.0	1.50	1.00	1.500	1.50	1.00	11.00
								415	10.0	2.00	1.00	1.000	1.00	1.00	12.00
								Mean =	2.5	1.50	1.00	1.125	1.13	1.00	12.25
6	GRAZON P + D 30 DAP	2.54	SL	0.24	oz/a	POST	A	106	0.0	1.00	1.50	1.000	1.00	1.00	9.00
								211	0.0	1.00	1.50	1.000	1.00	1.00	11.00
								312	0.0	1.00	1.00	1.000	1.00	1.00	11.00
								409	0.0	1.00	1.00	1.500	1.00	1.00	12.00
								Mean =	0.0	1.00	1.25	1.125	1.00	1.00	10.75
7	GRAZON P + D 59 DAP	2.54	SL	0.24	oz/a	POST	A	107	0.0	1.00	1.00	3.500	4.00	3.50	13.00
								203	0.0	1.00	1.00	3.500	3.00	2.00	11.00
								315	0.0	1.00	1.00	3.500	3.50	3.00	10.00
								410	0.0	1.00	1.00	3.500	4.00	3.50	14.00
								Mean =	0.0	1.00	1.00	3.500	3.63	3.00	12.00
8	GRAZON P + D 91 DAP	2.54	SL	0.24	oz/a	POST	A	108	0.0	1.00	1.00	1.000	1.00	1.00	13.00
								202	0.0	1.00	1.00	1.000	1.50	1.00	13.00
								311	0.0	1.00	1.00	1.000	1.00	1.00	13.00
								401	0.0	1.00	1.00	1.000	1.00	1.00	12.00
								Mean =	0.0	1.00	1.00	1.000	1.13	1.00	12.75
9	GRAZON P + D PRE	2.54	SL	0.08	oz/a	POST	A	109	10.0	1.00	1.00	1.000	1.00	1.00	12.00
								205	0.0	1.50	1.00	1.000	1.00	1.00	11.00
								313	0.0	1.00	1.00	1.000	1.00	1.00	9.00
								411	0.0	1.50	1.00	1.000	1.00	1.00	13.00
								Mean =	2.5	1.25	1.00	1.000	1.00	1.00	11.25
10	GRAZON P + D 30 DAP	2.54	SL	0.08	oz/a	POST	A	110	0.0	1.00	1.00	1.000	1.00	1.00	14.00
								204	0.0	1.00	1.00	1.000	1.00	1.00	10.00
								314	0.0	1.00	1.00	1.000	1.00	1.00	12.00
								412	0.0	1.00	1.00	1.000	1.00	1.00	10.00
								Mean =	0.0	1.00	1.00	1.000	1.00	1.00	11.50
11	GRAZON P + D 59 DAP	2.54	SL	0.08	oz/a	POST	A	111	0.0	1.00	1.00	3.000	2.50	2.00	13.00
								215	0.0	1.00	1.00	2.000	1.00	1.00	12.00
								301	0.0	1.00	1.00	2.500	1.50	1.50	12.00
								413	0.0	1.00	1.00	2.500	2.00	1.50	10.00
								Mean =	0.0	1.00	1.00	2.500	1.75	1.50	11.75

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Weed Code							----	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	-----
Crop Code							ARAHY	LEAF	LEAF	LEAF	LEAF	LEAF	ARAHY
Part Rated							PLANT -	ROLL -	ROLL -	ROLL -	ROLL -	ROLL -	PLANT -
Rating Data Type							STUNTING						HEIGHT1
Rating Unit							PERCENT	1-4	1-4	1-4	1-4	1-4	IN
Rating Date							May-26-16	May-26-16	Jun-16-16	Jul-5-16	Aug-12-16	Aug-25-16	Aug-25-16
PRM Data Type													
# Subsamples, Dec.													
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5	6	7
12	GRAZON P + D	2.54	SL	0.08	oz/a	POST	A	112	0.0	1.00	1.00	1.000	1.00	1.00	11.00
	91 DAP							213	0.0	1.00	1.00	1.000	1.00	1.00	11.00
								305	0.0	1.00	1.00	1.000	1.00	1.00	10.00
								402	0.0	1.00	1.00	1.000	1.00	1.00	12.00
								Mean =	0.0	1.00	1.00	1.000	1.00	1.00	11.00
13	GRAZON P + D	2.54	SL	0.0	oz/a	POST	A	113	0.0	1.00	1.00	1.000	1.00	1.00	12.00
	PRE							209	0.0	1.00	1.00	1.000	1.00	1.00	13.00
								308	0.0	1.00	1.00	1.000	1.00	1.00	12.00
								414	0.0	1.00	1.00	1.000	1.00	1.00	10.00
								Mean =	0.0	1.00	1.00	1.000	1.00	1.00	11.75
14	GRAZON P + D	2.54	SL	0.0	oz/a	POST	A	114	0.0	1.00	1.00	1.000	1.00	1.00	11.00
	30 DAP							207	0.0	1.00	1.00	1.000	1.00	1.00	10.00
								310	0.0	1.00	1.00	1.000	1.00	1.00	13.00
								403	0.0	1.00	1.00	1.000	1.00	1.00	11.00
								Mean =	0.0	1.00	1.00	1.000	1.00	1.00	11.25
15	GRAZON P + D	2.54	SL	0.0	oz/a	POST	A	115	0.0	1.00	1.00	1.000	1.00	1.00	13.00
	59 DAP							206	0.0	1.00	1.00	1.000	1.00	1.00	14.00
								304	0.0	1.00	1.00	1.000	1.00	1.00	10.00
								405	0.0	1.00	1.00	1.000	1.00	1.00	10.00
								Mean =	0.0	1.00	1.00	1.000	1.00	1.00	11.75
16	GRAZON P + D	2.54	SL	0.0	oz/a	POST	A	116	0.0	1.00	1.00	1.000	1.00	1.00	13.00
	91 DAP							210	0.0	1.00	1.00	1.000	1.00	1.00	11.50
								316	0.0	1.00	1.00	1.000	1.00	1.00	11.00
								406	0.0	1.00	1.00	1.000	1.00	1.00	11.00
								Mean =	0.0	1.00	1.00	1.000	1.00	1.00	11.63

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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	8	9	10	11	12	13	14
	Weed Code								-----	-----	-----	-----	-----	-----	-----
	Crop Code								ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY
	Part Rated								PLANT -	PLANT -	PLANT -	PLANT -	PLANT -	PLOT -	PLOT -
	Rating Data Type								HEIGHT2	HEIGHT3	HEIGHT4	HEIGHT5	AVERAGE	YIELD	YIELD
	Rating Unit								IN	IN	IN	IN	IN	LBS/PLOT	LBS/PLOT
	Rating Date								Aug-25-16	Aug-25-16	Aug-25-16	Aug-25-16	Aug-25-16	Sep-13-16	Sep-13-16
	PRM Data Type												T1		T2
	# Subsamples, Dec.												- 1	- 2	- 2
1	GRAZON P + D PRE	2.54	SL	2.4	oz/a	POST	A	101	10.00	9.00	12.00	9.50	10.9	15.30	14.99
								216	10.00	10.00	10.00	12.00	10.6	14.35	14.06
								302	9.00	10.00	9.00	10.00	9.6	11.30	11.07
								407	10.00	11.00	12.00	12.00	10.8	17.85	17.49
								Mean =	9.75	10.00	10.75	10.88	10.5	14.70	14.41
2	GRAZON P + D 30 DAP	2.54	SL	2.4	oz/a	POST	A	102	11.00	10.00	9.00	11.00	10.4	16.00	15.68
								208	9.00	11.00	12.00	10.00	10.8	13.10	12.84
								303	12.00	11.00	12.00	11.00	11.4	14.30	14.01
								416	9.00	11.00	11.00	11.00	10.6	16.25	15.93
								Mean =	10.25	10.75	11.00	10.75	10.8	14.91	14.61
3	GRAZON P + D 59 DAP	2.54	SL	2.4	oz/a	POST	A	103	10.00	9.00	10.00	11.00	10.4	12.10	11.86
								212	10.00	9.50	9.00	10.00	9.7	12.70	12.45
								307	10.00	10.00	10.00	10.00	9.8	11.60	11.37
								408	9.00	12.00	12.00	11.00	10.8	13.10	12.84
								Mean =	9.75	10.13	10.25	10.50	10.2	12.38	12.13
4	GRAZON P + D 91 DAP	2.54	SL	2.4	oz/a	POST	A	104	10.00	11.00	12.00	11.00	11.4	17.35	17.00
								201	12.00	12.00	11.00	11.00	11.4	18.25	17.89
								309	13.00	12.00	12.00	12.00	12.2	14.95	14.65
								404	12.00	13.00	11.00	12.00	12.0	15.25	14.95
								Mean =	11.75	12.00	11.50	11.50	11.8	16.45	16.12
5	GRAZON P + D PRE	2.54	SL	0.24	oz/a	POST	A	105	10.50	10.00	11.00	11.00	11.3	17.30	16.95
								214	10.00	11.00	11.00	12.00	11.2	15.50	15.19
								306	11.00	10.00	11.00	10.00	10.6	16.50	16.17
								415	12.00	11.00	11.00	12.00	11.6	15.80	15.48
								Mean =	10.88	10.50	11.00	11.25	11.2	16.28	15.95
6	GRAZON P + D 30 DAP	2.54	SL	0.24	oz/a	POST	A	106	10.00	12.00	11.00	12.00	10.8	18.40	18.03
								211	10.00	12.00	10.00	12.00	11.0	17.65	17.30
								312	10.00	10.00	12.00	11.00	10.8	15.95	15.63
								409	12.00	12.00	12.00	12.00	12.0	17.80	17.44
								Mean =	10.50	11.50	11.25	11.75	11.2	17.45	17.10
7	GRAZON P + D 59 DAP	2.54	SL	0.24	oz/a	POST	A	107	11.00	13.50	12.00	10.00	11.9	17.45	17.10
								203	10.00	9.00	8.00	11.00	9.8	15.95	15.63
								315	9.00	11.00	12.00	11.00	10.6	17.65	17.30
								410	11.00	11.00	11.00	12.00	11.8	19.30	18.91
								Mean =	10.25	11.13	10.75	11.00	11.0	17.59	17.24
8	GRAZON P + D 91 DAP	2.54	SL	0.24	oz/a	POST	A	108	11.00	12.00	11.00	13.00	12.0	17.15	16.81
								202	12.00	12.00	10.00	9.50	11.3	14.95	14.65
								311	13.00	13.00	11.00	12.00	12.4	18.30	17.93
								401	10.00	11.00	10.00	11.00	10.8	17.60	17.25
								Mean =	11.50	12.00	10.50	11.38	11.6	17.00	16.66
9	GRAZON P + D PRE	2.54	SL	0.08	oz/a	POST	A	109	12.00	12.00	12.00	14.00	12.4	17.60	17.25
								205	12.00	10.00	11.00	12.00	11.2	19.35	18.96
								313	10.00	9.00	12.00	12.00	10.4	15.85	15.53
								411	12.00	12.00	13.00	12.00	12.4	18.10	17.74
								Mean =	11.50	10.75	12.00	12.50	11.6	17.73	17.37
10	GRAZON P + D 30 DAP	2.54	SL	0.08	oz/a	POST	A	110	12.00	13.00	12.00	11.00	12.4	19.30	18.91
								204	12.00	13.00	12.00	12.00	11.8	17.20	16.86
								314	10.00	11.00	10.00	12.00	11.0	17.10	16.76
								412	13.00	11.00	12.00	10.00	11.2	20.15	19.75
								Mean =	11.75	12.00	11.50	11.25	11.6	18.44	18.07
11	GRAZON P + D 59 DAP	2.54	SL	0.08	oz/a	POST	A	111	12.00	13.00	13.50	12.00	12.7	18.60	18.23
								215	12.00	11.00	12.00	12.00	11.8	14.85	14.55
								301	12.00	11.00	11.00	11.00	11.4	15.80	15.48
								413	11.00	12.00	11.00	12.00	11.2	17.65	17.30
								Mean =	11.75	11.75	11.88	11.75	11.8	16.73	16.39

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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	8	9	10	11	12	13	14
Weed Code									-----	-----	-----	-----	-----	-----	-----
Crop Code									ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY
Part Rated									PLANT -	PLANT -	PLANT -	PLANT -	PLANT -	PLOT -	PLOT -
Rating Data Type									HEIGHT2	HEIGHT3	HEIGHT4	HEIGHT5	AVERAGE	YIELD	YIELD
Rating Unit									IN	IN	IN	IN	IN	LBS/PLOT	LBS/PLOT
Rating Date									Aug-25-16	Aug-25-16	Aug-25-16	Aug-25-16	Aug-25-16	Sep-13-16	Sep-13-16
PRM Data Type													T1		T2
# Subsamples, Dec.													- 1	- 2	- 2
12	GRAZON P + D 91 DAP	2.54	SL	0.08	oz/a	POST	A	112	10.00	10.00	13.00	12.00	11.2	17.65	17.30
								213	11.00	10.00	12.00	11.00	11.0	14.00	13.72
								305	10.00	10.00	11.00	11.00	10.4	16.55	16.22
								402	11.00	10.00	12.00	12.00	11.4	17.25	16.91
								Mean =	10.50	10.00	12.00	11.50	11.0	16.36	16.04
13	GRAZON P + D PRE	2.54	SL	0.0	oz/a	POST	A	113	10.00	11.00	12.00	11.00	11.2	16.15	15.83
								209	12.00	13.00	12.00	13.00	12.6	16.50	16.17
								308	11.00	11.00	11.00	10.00	11.0	16.50	16.17
								414	10.00	12.00	12.00	11.00	11.0	17.90	17.54
								Mean =	10.75	11.75	11.75	11.25	11.5	16.76	16.43
14	GRAZON P + D 30 DAP	2.54	SL	0.0	oz/a	POST	A	114	11.00	12.00	11.00	11.00	11.2	16.05	15.73
								207	11.00	10.50	10.50	12.00	10.8	16.55	16.22
								310	12.00	12.00	11.00	13.00	12.2	15.30	14.99
								403	12.00	11.00	12.00	12.00	11.6	15.15	14.85
								Mean =	11.50	11.38	11.13	12.00	11.5	15.76	15.45
15	GRAZON P + D 59 DAP	2.54	SL	0.0	oz/a	POST	A	115	11.00	12.00	11.00	14.00	12.2	18.15	17.79
								206	12.00	12.00	10.00	14.00	12.4	16.40	16.07
								304	12.00	12.00	12.00	12.00	11.6	18.25	17.89
								405	11.00	12.00	13.00	14.00	12.0	19.45	19.06
								Mean =	11.50	12.00	11.50	13.50	12.1	18.06	17.70
16	GRAZON P + D 91 DAP	2.54	SL	0.0	oz/a	POST	A	116	12.00	12.00	11.50	12.00	12.1	17.15	16.81
								210	11.50	11.00	11.50	12.00	11.5	16.40	16.07
								316	16.00	10.00	10.00	10.00	11.4	15.00	14.70
								406	13.00	11.00	14.00	13.00	12.4	19.50	19.11
								Mean =	13.13	11.00	11.75	11.75	11.9	17.01	16.67

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Weed Code									-----	-----
Crop Code									ARAHY	ARAHY
Part Rated									PLOT -	YIELD -
Rating Data Type									YIELD	LOSS
Rating Unit									LBS/A	PERCENT
Rating Date									Sep-13-16	Sep-13-16
PRM Data Type									TY3	
# Subsamples, Dec.									- 0	- 1
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	15	16
1	GRAZON P + D PRE	2.54	SL	2.4	oz/a	POST	A	101	4359	5.3
								216	4088	13.0
								302	3219	31.5
								407	5086	0.3
								Mean =	4188	12.5
2	GRAZON P + D 30 DAP	2.54	SL	2.4	oz/a	POST	A	102	4559	0.3
								208	3732	20.8
								303	4074	6.5
								416	4630	0.0
								Mean =	4249	6.9
3	GRAZON P + D 59 DAP	2.54	SL	2.4	oz/a	POST	A	103	3447	33.3
								212	3618	22.6
								307	3305	22.7
								408	3732	32.8
								Mean =	3526	27.9
4	GRAZON P + D 91 DAP	2.54	SL	2.4	oz/a	POST	A	104	4943	0.0
								201	5200	0.0
								309	4259	0.4
								404	4345	21.8
								Mean =	4687	5.6
5	GRAZON P + D PRE	2.54	SL	0.24	oz/a	POST	A	105	4929	0.0
								214	4416	6.1
								306	4701	0.0
								415	4502	11.7
								Mean =	4637	4.5
6	GRAZON P + D 30 DAP	2.54	SL	0.24	oz/a	POST	A	106	5242	0.0
								211	5029	0.0
								312	4544	0.0
								409	5071	0.0
								Mean =	4972	0.0
7	GRAZON P + D 59 DAP	2.54	SL	0.24	oz/a	POST	A	107	4972	0.0
								203	4544	2.7
								315	5029	0.0
								410	5499	0.0
								Mean =	5011	0.7
8	GRAZON P + D 91 DAP	2.54	SL	0.24	oz/a	POST	A	108	4886	0.0
								202	4259	8.8
								311	5214	0.0
								401	5014	9.8
								Mean =	4843	4.7
9	GRAZON P + D PRE	2.54	SL	0.08	oz/a	POST	A	109	5014	0.0
								205	5513	0.0
								313	4516	3.9
								411	5157	0.0
								Mean =	5050	1.0
10	GRAZON P + D 30 DAP	2.54	SL	0.08	oz/a	POST	A	110	5499	0.0
								204	4900	0.0
								314	4872	0.0
								412	5741	0.0
								Mean =	5253	0.0
11	GRAZON P + D 59 DAP	2.54	SL	0.08	oz/a	POST	A	111	5299	0.0
								215	4231	9.4
								301	4502	0.0
								413	5029	9.5
								Mean =	4765	4.7

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Weed Code									-----	-----
Crop Code									ARAHY	ARAHY
Part Rated									PLOT -	YIELD -
Rating Data Type									YIELD	LOSS
Rating Unit									LBS/A	PERCENT
Rating Date									Sep-13-16	Sep-13-16
PRM Data Type									TY3	
# Subsamples, Dec.									- 0	- 1
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	15	16
12	GRAZON P + D	2.54	SL	0.08	oz/a	POST	A	112	5029	0.0
	91 DAP							213	3989	14.6
								305	4715	0.0
								402	4915	11.5
								Mean =	4662	6.5
13	GRAZON P + D	2.54	SL	0.0	oz/a	POST	A	113	4601	0.0
	PRE							209	4701	0.0
								308	4701	0.0
								414	5100	0.0
								Mean =	4776	0.0
14	GRAZON P + D	2.54	SL	0.0	oz/a	POST	A	114	4573	0.0
	30 DAP							207	4715	0.0
								310	4359	0.0
								403	4316	0.0
								Mean =	4491	0.0
15	GRAZON P + D	2.54	SL	0.0	oz/a	POST	A	115	5171	0.0
	59 DAP							206	4672	0.0
								304	5200	0.0
								405	5541	0.0
								Mean =	5146	0.0
16	GRAZON P + D	2.54	SL	0.0	oz/a	POST	A	116	4886	0.0
	91 DAP							210	4672	0.0
								316	4274	0.0
								406	5556	0.0
								Mean =	4847	0.0

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PEANUT RESPONSE TO GRAZON P+D - TEST 2
YEAR 2
Trial ID: PE-03-16 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Part Rated
PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)
PRM Data Type
T1 = ([C7]+[C8]+[C9]+[C10]+[C11])/5
T2 = [13]*0.98
TY3 = 290.7227*[14]