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GA-12Y RESPONSE TO HERBICIDES

Trial ID: PE-15-15 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 (calculated mix size .78211)

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Rep 1	2	3	4
1	NTC							101	206	305	407
2	GRAMOXONE	2 SL		12.0 oz/a		EPOST A	9.374 ml/mx	102	205	302	410
	STORM	4 SL		16.0 oz/a		EPOST A	12.5 ml/mx				
	DUAL MAGNUM	7.62 EC		16.0 oz/a		EPOST A	12.5 ml/mx				
3	CADRE	2 AS		4.0 oz/a		POST B	3.125 ml/mx	103	209	301	409
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST B	12.5 ml/mx				
4	GRAMOXONE	2 SL		12.0 oz/a		EPOST A	9.374 ml/mx	104	201	304	403
	STORM	4 SL		16.0 oz/a		EPOST A	12.5 ml/mx				
	DUAL MAGNUM	7.62 EC		16.0 oz/a		EPOST A	12.5 ml/mx				
	CADRE	2 AS		4.0 oz/a		POST B	3.125 ml/mx				
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST B	12.5 ml/mx				
5	GRAMOXONE	2 SL		12.0 oz/a		EPOST A	9.374 ml/mx	105	208	307	405
	STORM	4 SL		16.0 oz/a		EPOST A	12.5 ml/mx				
	WARRANT	3 SC		48.0 oz/a		EPOST A	37.5 ml/mx				
	NIS			0.25 % v/v		EPOST A	3.75 ml/mx				
6	CADRE	2 AS		4.0 oz/a		POST B	3.125 ml/mx	106	210	308	401
	WARRANT	3 SC		48.0 oz/a		POST B	37.5 ml/mx				
	NIS			0.25 % v/v		POST B	3.75 ml/mx				
7	GRAMOXONE	2 SL		12.0 oz/a		EPOST A	9.374 ml/mx	107	202	309	402
	STORM	4 SL		16.0 oz/a		EPOST A	12.5 ml/mx				
	WARRANT	3 SC		48.0 oz/a		EPOST A	37.5 ml/mx				
	NIS			0.25 % v/v		EPOST A	3.75 ml/mx				
	CADRE	2 AS		4.0 oz/a		POST B	3.125 ml/mx				
	WARRANT	3 SC		48.0 oz/a		POST B	37.5 ml/mx				
8	GRAMOXONE	2 SL		12.0 oz/a		EPOST A	9.374 ml/mx	108	204	306	408
	STORM	4 SL		16.0 oz/a		EPOST A	12.5 ml/mx				
	ZIDUA	85 WG		1.5 oz/a		EPOST A	1.123 g/mx				
	NIS			0.25 % v/v		EPOST A	3.75 ml/mx				
9	CADRE	2 AS		4.0 oz/a		POST B	3.125 ml/mx	109	207	303	406
	ZIDUA	85 WG		1.5 oz/a		POST B	1.123 g/mx				
	NIS			0.25 % v/v		POST B	3.75 ml/mx				
10	GRAMOXONE	2 SL		12.0 oz/a		EPOST A	9.374 ml/mx	110	203	310	404
	STORM	4 SL		16.0 oz/a		EPOST A	12.5 ml/mx				
	ZIDUA	85 WG		1.5 oz/a		EPOST A	1.123 g/mx				
	NIS			0.25 % v/v		EPOST A	3.75 ml/mx				
	CADRE	2 AS		4.0 oz/a		POST B	3.125 ml/mx				
	ZIDUA	85 WG		1.5 oz/a		POST B	1.123 g/mx				
NIS			0.25 % v/v		POST B	3.75 ml/mx					

Sort Order: Treatment

Trial Comments

MAINTAINED WEED-FREE
 PROWL @ 32 OZ/A + STRONGARM @ 0.45 OZ/A - PRE

NIS = ADEPT

DIGGING DATE: SEPTEMBER 14
 HARVEST DATE: SEPTEMBER 17
 HARVEST MOISTURE: 25.2%
 YIELDS ADJUSTED TO 10%

SUMMARY:

1) PEANUT YIELDS WERE NOT REDUCED BY ANY HERBICIDE TREATMENT (P = 0.1104).

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Trial ID: PE-15-15 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-12Y **Planting Date:** Apr-27-15
Planting Method: MONOSEM TWIN ROW **Rate:** 6 SEED/FT **Depth:** 2 IN
Perennial Age: _____ **Row Spacing:** 36 IN **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:** RACOBL
Trial Initiation Comments: THIMET 20G INFR @ 3.5 LBS/A; DYNASTY PD SEED TRT;
 36"-9" TWIN ROW SPACING

Previous: Crops **Pesticides** **Year**
 1. CORN 2014

MAINTENANCE

Field Prep./Maintenance: _____

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

SOIL DESCRIPTION

Texture: SAND **% OM:** 0.53 **% Sand:** 94 **% Silt:** 4 **% Clay:** 2
pH: 6.3 **CEC:** 2.6 **Soil Name:** FUQUAY **Fertility Level:** GOOD

MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. May-8-15		0.5	IN	SPRINKLER - LATERAL MOVE		
2. May-13-15		0.5	IN	SPRINKLER - LATERAL MOVE		
3. May-18-15		0.5	IN	SPRINKLER - LATERAL MOVE		
4. Jun-2-15		0.5	IN	SPRINKLER - LATERAL MOVE		
5.						

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

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	May-11-15	Jun-3-15				
Time of Day:	7:30 AM	7:15 AM				
Application Method:	BROADCAST	BROADCAST				
Application Timing:	EPOST	POST				
Applic. Placement:	FOLIAGE	FOLIAGE				
Air Temp., Unit:	77 F	70 F				
% Relative Humidity:	70	94				
Wind Velocity, Unit:	3 MPH	0 MPH				
Dew Presence (Y/N):	Y	Y				
Water Hardness:	--	--				
Soil Temp., Unit:	76 F	77 F				
Soil Moisture:	OPTIMUM	WET				
% Cloud Cover:	0	100				

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Crop 1 Stage:	ARAHY	LAPPED				
Stage Scale:	V2	R1				
Height, Unit:	2 IN	6 IN				

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		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	BACKPACK					
Operating Pressure:	32	34					
Nozzle Type:	FLAT FAN	FLAT FAN					
Nozzle Size:	11002DG	11002DG					
Nozzle Spacing, Unit:	20	IN 20	IN				
Nozzles/Row:	_____	_____	_____				
Band Width, Unit:	_____	_____	_____				
Boom Length, Unit:	60	IN 60	IN				
Boom Height, Unit:	20	IN 20	MPH				
Ground Speed, Unit:	3.0	MPH 3.0	MPH				
Incorporation Equip.:	_____	_____					
Hours to Incorp.:	_____	_____					
Incorp. Depth, Unit:	_____	_____					
Carrier:	WATER	WATER					
Spray Volume, Unit:	15	GPA 15	GPA				
Spray pH:	_____	_____					
Propellant:	CO2	CO2					
Tank Mix (Y/N):	-	-	-	-	-	-	-

Trt No	Treatment Application Comment
_____	_____

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Trial ID: PE-15-15		Study Dir.:							
Location: PONDER FARM		Investigator: Eric P. Prostko							
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	PRM Data Type	# Subsamples, Dec.	----- ARAHY PLOT - YIELD LBS/PLOT Sep-17-15	----- ARAHY PLOT - YIELD LBS/A Sep-17-15 TY1
								- 2	- 0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	1	2
1	NTC							25.70 a	6203 a
2	GRAMOXONE	2 SL		12.0 oz/a		EPOST A		26.81 a	6471 a
	STORM	4 SL		16.0 oz/a		EPOST A			
	DUAL MAGNUM	7.62 EC		16.0 oz/a		EPOST A			
3	CADRE	2 AS		4.0 oz/a		POST B		27.24 a	6574 a
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST B			
4	GRAMOXONE	2 SL		12.0 oz/a		EPOST A		26.99 a	6514 a
	STORM	4 SL		16.0 oz/a		EPOST A			
	DUAL MAGNUM	7.62 EC		16.0 oz/a		EPOST A			
	CADRE	2 AS		4.0 oz/a		POST B			
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST B			
5	GRAMOXONE	2 SL		12.0 oz/a		EPOST A		27.11 a	6544 a
	STORM	4 SL		16.0 oz/a		EPOST A			
	WARRANT	3 SC		48.0 oz/a		EPOST A			
	NIS			0.25 % v/v		EPOST A			
6	CADRE	2 AS		4.0 oz/a		POST B		27.09 a	6538 a
	WARRANT	3 SC		48.0 oz/a		POST B			
	NIS			0.25 % v/v		POST B			
7	GRAMOXONE	2 SL		12.0 oz/a		EPOST A		26.04 a	6284 a
	STORM	4 SL		16.0 oz/a		EPOST A			
	WARRANT	3 SC		48.0 oz/a		EPOST A			
	NIS			0.25 % v/v		EPOST A			
	CADRE	2 AS		4.0 oz/a		POST B			
	WARRANT	3 SC		48.0 oz/a		POST B			
	NIS			0.25 % v/v		POST B			
8	GRAMOXONE	2 SL		12.0 oz/a		EPOST A		27.56 a	6652 a
	STORM	4 SL		16.0 oz/a		EPOST A			
	ZIDUA	85 WG		1.5 oz/a		EPOST A			
	NIS			0.25 % v/v		EPOST A			
9	CADRE	2 AS		4.0 oz/a		POST B		27.11 a	6544 a
	ZIDUA	85 WG		1.5 oz/a		POST B			
	NIS			0.25 % v/v		POST B			
10	GRAMOXONE	2 SL		12.0 oz/a		EPOST A		26.08 a	6293 a
	STORM	4 SL		16.0 oz/a		EPOST A			
	ZIDUA	85 WG		1.5 oz/a		EPOST A			
	NIS			0.25 % v/v		EPOST A			
	CADRE	2 AS		4.0 oz/a		POST B			
	ZIDUA	85 WG		1.5 oz/a		POST B			
	NIS			0.25 % v/v		POST B			
LSD P=.10								1.097	264.7
Standard Deviation								0.910	219.7
CV								3.4	3.4
Grand Mean								26.773	6461.7
Bartlett's X2								11.77	11.77
P(Bartlett's X2)								0.227	0.227
Replicate F								5.305	5.305
Replicate Prob(F)								0.0053	0.0053
Treatment F								1.821	1.821
Treatment Prob(F)								0.1104	0.1104
PRM Data Type									
TY1 = 241.3547*[1]									

Means followed by same letter do not significantly differ (P=.10, Duncan's New MRT)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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TY1 = 241.3547*[1]