

University of Georgia

GA-16HO RESPONSE TO HERBICIDES

Trial ID: PE-21-17 Study Dir.:
 Location: ATTAPULGUS 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 Unit	Grow Stg	Appl Code	Amt Product to Measure	Rep 1	Rep 2	Rep 3	Rep 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				
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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	4.17 SC		3.25 oz/a	EPOST	A	2.539 ml/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	4.17 SC		3.25 oz/a	POST	B	2.539 ml/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	4.17 SC		3.25 oz/a	EPOST	A	2.539 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				
	ZIDUA	4.17 SC		3.25 oz/a	POST	B	2.539 ml/mx				
	NIS			0.25 % v/v	POST	B	3.75 ml/mx				

Sort Order: Treatment

Trial Comments

MAINTAINED WEED-FREE
 PROWL H2O @ 32 OZ/A + STRONGARM @ 0.225 OZ/A + VALOR @ 3 OZ/A- PRE (MAY 3, 2017)
 SELECT @ 10 OZ/A + COC @ 1% V/V - AUGUST 17, 2017

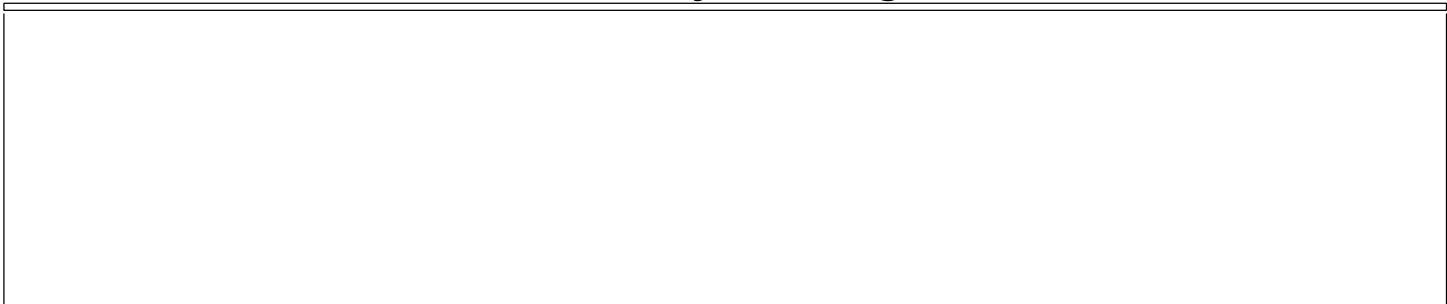
NIS = ADEPT

DIGGING DATE: SEPTEMBER 21
 HARVEST DATE: SEPTEMBER 28
 HARVEST MOISTURE: 6.5%
 YIELDS ADJUSTED TO 10%

SUMMARY:

1) YIELDS OF GA-16HO WERE NOT REDUCED BY ANY HERBICIDE TREATMENT (P = 0.9402).

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Trial ID: PE-21-17 Study Dir.:
 Location: ATTAPULGUS 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-16HO **Planting Date:** May-2-17
Planting Method: MONOSEM **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;

Previous: Crops	Pesticides	Year
1. COTTON	2016	

MAINTENANCE

Field Prep./Maintenance: _____

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

SOIL DESCRIPTION

Texture: LOAMY SAND **% OM:** 1.2 **% Sand:** 84 **% Silt:** 8 **% Clay:** 8
pH: 6.0 **CEC:** _____ **Soil Name:** LUCY **Fertility Level:** GOOD

MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. May-4-17		2.23	IN	RAINFALL		
2. May-12-17		0.29	IN	RAINFALL		
3. May-13-17		0.01	IN	RAINFALL		
4. May-18-17		1.0	IN	SPRINKLER - CENTER PIVOT		
5. May-21-17		0.35	IN	RAINFALL		
6. May-22-17		0.05	IN	RAINFALL		
7. May-23-17		0.15	IN	RAINFALL		
8. May-24-17		0.54	IN	RAINFALL		

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

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	May-17-17	May-31-17				
Time of Day:	8:30 AM	8:00 AM				
Application Method:	BROADCAST	BROADCAST				
Application Timing:	EPOST	POST				
Applic. Placement:	FOLIAGE	FOLIAGE				
Air Temp., Unit:	73 F	73 F				
% Relative Humidity:	68	90				
Wind Velocity, Unit:	3 MPH	0 MPH				
Dew Presence (Y/N):	N	N				
Water Hardness:	--	--				
Soil Temp., Unit:	76 F	78 F				
Soil Moisture:	DRY	OPTIMUM				
% Cloud Cover:	100	100				

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CROP STAGE AT EACH APPLICATION							
		A	B	C	D	E	F
Crop 1	Stage: ARAHY		4-6" W				
	Stage Scale:	V4	V5-6				
	Height, Unit:		4 IN			2-3"	

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:	40	40					
Nozzle Type:	AIXR	AIXR					
Nozzle Size:	11002	11002					
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:	3.5	MPH 3.5	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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PRM Data Type
TY1 = 301.6934*[3]