

University of Georgia

INFLUENCE OF TIME OF DAY APPLICATIONS ON PEANUT
WEED CONTROL SYSTEMS - I

Trial ID: PE-01-17 Study Dir.: O.W. CARTER
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	Grow Unit	Appl Stg	Code	Amt Product to Measure	Rep 1	Rep 2	Rep 3	Rep 4
1	7 AM						A					
	GRAMOXONE	2	SL	12.0	oz/a	EPOST		9.374 ml/mx	101	204	305	406
	STORM	4	SL	16.0	oz/a	EPOST		12.5 ml/mx				
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST		12.5 ml/mx				
	CADRE	2	AS	4.0	oz/a	POST		3.125 ml/mx				
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST		12.5 ml/mx				
	2,4-DB	1.75	SL	16.0	oz/a	POST		12.5 ml/mx				
2	7 AM						A					
	GRAMOXONE	2	SL	12.0	oz/a	EPOST		9.374 ml/mx	102	207	301	405
	STORM	4	SL	16.0	oz/a	EPOST		12.5 ml/mx				
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST		12.5 ml/mx				
	COBRA	2	EC	12.0	oz/a	POST		9.374 ml/mx				
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST		12.5 ml/mx				
	2,4-DB	1.75	SL	16.0	oz/a	POST		12.5 ml/mx				
3	12 PM						B					
	GRAMOXONE	2	SL	12.0	oz/a	EPOST		9.374 ml/mx	103	208	307	401
	STORM	4	SL	16.0	oz/a	EPOST		12.5 ml/mx				
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST		12.5 ml/mx				
	CADRE	2	AS	4.0	oz/a	POST		3.125 ml/mx				
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST		12.5 ml/mx				
	2,4-DB	1.75	SL	16.0	oz/a	POST		12.5 ml/mx				
4	12 PM						B					
	GRAMOXONE	2	SL	12.0	oz/a	EPOST		9.374 ml/mx	104	202	304	403
	STORM	4	SL	16.0	oz/a	EPOST		12.5 ml/mx				
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST		12.5 ml/mx				
	COBRA	2	EC	12.0	oz/a	POST		9.374 ml/mx				
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST		12.5 ml/mx				
	2,4-DB	1.75	SL	16.0	oz/a	POST		12.5 ml/mx				
5	5 PM						C					
	GRAMOXONE	2	SL	12.0	oz/a	EPOST		9.374 ml/mx	105	203	306	409
	STORM	4	SL	16.0	oz/a	EPOST		12.5 ml/mx				
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST		12.5 ml/mx				
	CADRE	2	AS	4.0	oz/a	POST		3.125 ml/mx				
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST		12.5 ml/mx				
	2,4-DB	1.75	SL	16.0	oz/a	POST		12.5 ml/mx				
6	5 PM						C					
	GRAMOXONE	2	SL	12.0	oz/a	EPOST		9.374 ml/mx	106	201	309	404
	STORM	4	SL	16.0	oz/a	EPOST		12.5 ml/mx				
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST		12.5 ml/mx				
	COBRA	2	EC	12.0	oz/a	POST		9.374 ml/mx				
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST		12.5 ml/mx				
	2,4-DB	1.75	SL	16.0	oz/a	POST		12.5 ml/mx				
7	10 PM						D					
	GRAMOXONE	2	SL	12.0	oz/a	EPOST		9.374 ml/mx	107	209	303	402
	STORM	4	SL	16.0	oz/a	EPOST		12.5 ml/mx				
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST		12.5 ml/mx				
	CADRE	2	AS	4.0	oz/a	POST		3.125 ml/mx				
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST		12.5 ml/mx				
	2,4-DB	1.75	SL	16.0	oz/a	POST		12.5 ml/mx				
8	10 PM						D					
	GRAMOXONE	2	SL	12.0	oz/a	EPOST		9.374 ml/mx	108	206	308	407
	STORM	4	SL	16.0	oz/a	EPOST		12.5 ml/mx				
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST		12.5 ml/mx				
	COBRA	2	EC	12.0	oz/a	POST		9.374 ml/mx				
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST		12.5 ml/mx				
	2,4-DB	1.75	SL	16.0	oz/a	POST		12.5 ml/mx				
9	NTC								109	205	302	408

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Reps: 4
Spray vol: 15 GAL/AC
Sort Order: Treatment

Plots: 6 by 25 feet
Mix Size: 1.5 liters (.78211 liters calculated mix size)

Trial Comments

PROWL H20 32 OZ/A PRE OVER WHOLE TEST (EXCEPT NTC) - TIME OF DAY NOT IMPORTANT (4/26/2017)

ANNUAL GRASS = CRABGRASS + TEXAS PANICUM + CROWFOOTGRASS

DIGGING DATE: SEPTEMBER 14
HARVEST DATE: SEPTEMBER 18
HARVEST MOISTURE: 18.3%
YIELDS ADJUSTED TO 10%

SUNRISE (6:37 AM) AND SUNSET (8:23 PM) ON DAY OF APPLICATION:

SUMMARY:

- 1) GRAMOXONE + STORM + DUAL MAGNUM CAUSED LESS PEANUT INJURY (LEAF BURN) WHEN APPLIED AT 7 AM OR 10 PM WHEN COMPARED TO 12 PM OR 5 PM. 10 PM APPLICATIONS WERE LESS INJURIOUS THAN 7 AM APPLICATIONS (12 PM = 5 PM > 7 AM > 10 PM)
- 2) CADRE + DUAL MAGNUM + 2,4-DB WAS THE MOST INJURIOUS WHEN APPLIED AT 12 PM.
- 3) COBRA + DUAL MAGNUM + 2,4-DB WAS THE MOST INJURIOUS WHEN APPLIED AT 12 PM OR 5 PM. LEAST AMOUNT OF INJURY OCCURRED WHEN APPLIED AT 10 PM (12 PM = 5 PM > 7 AM > 10 PM).
- 4) FOR THE MAJORITY OF THE WEED CONTROL RATINGS, THERE WAS NO INTERACTION BETWEEN TIME OF APPLICATION AND TREATMENT WITH NO DIFFERENCES BETWEEN TIME OF APPLICATION OR TREATMENT. PALMER AMARANTH AND ANNUAL GRASS CONTROL EXCEEDED 92% WITH ALL COMBINATIONS.
- 5) FOR PEANUT YIELD, THERE WAS NO INTERACTION BETWEEN TIME OF DAY AND TREATMENT ((P=7872). WHEN AVERAGED OVER TREATMENT, YIELD OF 7 AM APPLICATION TIMINGS WERE LOWER THAN 12 PM OR 10 PM. WHEN AVERAGED OVER TIMING, TREATMENT HAD NO EFFECT ON YIELD (P=0.1254)

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INFLUENCE OF TIME OF DAY APPLICATIONS ON PEANUT
 WEED CONTROL SYSTEMS - I
 Trial ID: PE-01-17 Study Dir.: O.W. CARTER
 Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: O.W. CARTER **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. AMAPA PALMER AMARANTH **2.** MOLVE CARPETWEED
Weed 3. AGRASS CRAB+CROW+PANICUM **4.** IAQTA SMALLFLOWER MG

Crop 1: ARAHY PEANUT **Variety:** GA-06G **Planting Date:** Apr-24-17
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: _____ **Study Design:** FACTOR
Tillage Type: CONVENTIONAL **Trial Initiation Comments:** 36"-9" TWIN ROWS; DYNASTY PD SEED TRT; THIMET INFR

Previous: Crops Pesticides Year
 1. FIELD CORN 2016 _____

MAINTENANCE

Field Prep./Maintenance: _____

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

SOIL DESCRIPTION

Texture: SAND **% OM:** 0.53 **% Sand:** 92 **% Silt:** 6 **% Clay:** 2
pH: 6 **CEC:** 2.3 **Soil Name:** DOTHAN **Fertility Level:** GOOD

MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1.	Apr-27-17	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
2.	May-1-17	0.1	IN	RAINFALL	_____	_____
3.	May-2-17	0.01	IN	RAINFALL	_____	_____
4.	May-4-17	1.47	IN	RAINFALL	_____	_____
5.	May-10-17	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
6.	May-17-17	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
7.	May-21-17	0.11	IN	RAINFALL	_____	_____
8.	May-23-17	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
9.	May-23-17	0.5	IN	RAINFALL	_____	_____
10.	May-24-17	0.51	IN	RAINFALL	_____	_____
11.	May-31-17	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
12.	Jun-1-17	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____

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

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		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	SAME		SAME	SAME	SAME	SAME
Operating Pressure:	36	_____	_____	_____	_____	_____	_____
Nozzle Type:	FLAT FAN	_____	_____	_____	_____	_____	_____
Nozzle Size:	11002DG	_____	_____	_____	_____	_____	_____
Nozzle Spacing, Unit:	20	IN	_____	_____	_____	_____	_____
Nozzles/Row:	_____	_____	_____	_____	_____	_____	_____
Band Width, Unit:	_____	_____	_____	_____	_____	_____	_____
Boom Length, Unit:	60	IN	_____	_____	_____	_____	_____
Boom Height, Unit:	20	IN	_____	_____	_____	_____	_____
Ground Speed, Unit:	3.0	MPH	_____	_____	_____	_____	_____
Incorporation Equip.:	_____	_____	_____	_____	_____	_____	_____
Hours to Incorp.:	_____	_____	_____	_____	_____	_____	_____
Incorp. Depth, Unit:	_____	_____	_____	_____	_____	_____	_____
Carrier:	WATER	_____	_____	_____	_____	_____	_____
Spray Volume, Unit:	15	GPA	_____	_____	_____	_____	_____
Spray pH:	_____	_____	_____	_____	_____	_____	_____
Propellant:	CO2	_____	_____	_____	_____	_____	_____
Tank Mix (Y/N):	-	-	-	-	-	-	-
		G	H	I	J	K	L
Appl. Equipment:	SAME	SAME					
Operating Pressure:	_____	_____	_____	_____	_____	_____	_____
Nozzle Type:	_____	_____	_____	_____	_____	_____	_____
Nozzle Size:	_____	_____	_____	_____	_____	_____	_____
Nozzle Spacing, Unit:	_____	_____	_____	_____	_____	_____	_____
Nozzles/Row:	_____	_____	_____	_____	_____	_____	_____
Band Width, Unit:	_____	_____	_____	_____	_____	_____	_____
Boom Length, Unit:	_____	_____	_____	_____	_____	_____	_____
Boom Height, Unit:	_____	_____	_____	_____	_____	_____	_____
Ground Speed, Unit:	_____	_____	_____	_____	_____	_____	_____
Incorporation Equip.:	_____	_____	_____	_____	_____	_____	_____
Hours to Incorp.:	_____	_____	_____	_____	_____	_____	_____
Incorp. Depth, Unit:	_____	_____	_____	_____	_____	_____	_____
Carrier:	_____	_____	_____	_____	_____	_____	_____
Spray Volume, Unit:	_____	_____	_____	_____	_____	_____	_____
Spray pH:	_____	_____	_____	_____	_____	_____	_____
Propellant:	_____	_____	_____	_____	_____	_____	_____
Tank Mix (Y/N):	-	-	-	-	-	-	-
Trt No	Treatment Application Comment						
_____	_____						

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INFLUENCE OF TIME OF DAY APPLICATIONS ON PEANUT WEED CONTROL SYSTEMS - I														
Trial ID:	PE-01-17	Study Dir.:	O.W. CARTER											
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.	-----	AMAPA	A.GRASS	AMAPA	A.GRASS	AMAPA	A.GRASS
								-----	-----	-----	-----	-----	-----	-----
								ARAHY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
								LEAF -	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
								BURN	May-19-17	May-19-17	May-30-17	May-30-17	Jun-23-17	Jun-23-17
								ET9						
Trt Treatment	Form Form	Rate Grow	Appl											
No. Name	Conc Type	Rate Unit	Stg	Code	1	2	3	4	5	6	7			
TABLE OF R MEANS														
Replicate 1					23.8	100.0	100.0	100.0	100.0	97.4	98.5			
Replicate 2					21.9	100.0	100.0	100.0	100.0	97.4	98.5			
Replicate 3					21.3	100.0	100.0	100.0	100.0	98.0	97.9			
Replicate 4					23.1	100.0	100.0	99.4	99.4	98.5	97.9			
TABLE OF A (TIME OF DAY) MEANS														
1 7 AM					22.5 b	100.0 a	100.0 a	100.0 a	100.0 a	97.9 a	97.4 a			
2 12 PM					26.3 a	100.0 a	100.0 a	100.0 a	100.0 a	96.9 a	97.9 a			
3 5 PM					26.3 a	100.0 a	100.0 a	99.4 a	100.0 a	98.0 a	98.5 a			
4 10 PM					15.0 c	100.0 a	100.0 a	100.0 a	99.4 a	98.5 a	99.0 a			
LSD P=.10					2.02	.	.	0.81	0.81	2.32	2.38			
Standard Deviation					2.20	0.00	0.00	0.88	0.88	2.53	2.60			
CV					9.80	0.00	0.00	0.89	0.89	2.59	2.64			
TABLE OF B (TREATMENT) MEANS														
1 GRAMOXONE 2 SL 12.0 oz/a EPOST					22.8 a	100.0 a	100.0 a	99.7 a	100.0 a	97.1 b	98.2 a			
1 STORM 4 SL 16.0 oz/a EPOST														
1 DUAL MAGNUM 7.62 EC 16.0 oz/a EPOST														
1 CADRE 2 AS 4.0 oz/a POST														
1 DUAL MAGNUM 7.62 EC 16.0 oz/a POST														
1 2,4-DB 1.75 SL 16.0 oz/a POST														
2 GRAMOXONE 2 SL 12.0 oz/a EPOST					22.2 a	100.0 a	100.0 a	100.0 a	99.7 a	98.5 a	98.2 a			
2 STORM 4 SL 16.0 oz/a EPOST														
2 DUAL MAGNUM 7.62 EC 16.0 oz/a EPOST														
2 COBRA 2 EC 12.0 oz/a POST														
2 DUAL MAGNUM 7.62 EC 16.0 oz/a POST														
2 2,4-DB 1.75 SL 16.0 oz/a POST														
LSD P=.10					3.50	.	.	0.74	0.74	0.51	2.37			
Standard Deviation					4.21	0.00	0.00	0.88	0.88	0.61	2.84			
CV					18.70	0.00	0.00	0.89	0.89	0.63	2.90			
TABLE OF A (TIME OF DAY) B (TREATMENT) MEANS														
1 7 AM					21.3 a	100.0 a	100.0 a	100.0 a	100.0 a	96.8 a	98.0 a			
1 GRAMOXONE 2 SL 12.0 oz/a EPOST														
1 STORM 4 SL 16.0 oz/a EPOST														
1 DUAL MAGNUM 7.62 EC 16.0 oz/a EPOST														
1 CADRE 2 AS 4.0 oz/a POST														
1 DUAL MAGNUM 7.62 EC 16.0 oz/a POST														
1 2,4-DB 1.75 SL 16.0 oz/a POST														
2 12 PM					27.5 a	100.0 a	100.0 a	100.0 a	100.0 a	94.8 a	96.8 a			
1 GRAMOXONE 2 SL 12.0 oz/a EPOST														
1 STORM 4 SL 16.0 oz/a EPOST														
1 DUAL MAGNUM 7.62 EC 16.0 oz/a EPOST														
1 CADRE 2 AS 4.0 oz/a POST														
1 DUAL MAGNUM 7.62 EC 16.0 oz/a POST														
1 2,4-DB 1.75 SL 16.0 oz/a POST														
3 5 PM					27.5 a	100.0 a	100.0 a	98.8 a	100.0 a	99.0 a	99.0 a			
1 GRAMOXONE 2 SL 12.0 oz/a EPOST														
1 STORM 4 SL 16.0 oz/a EPOST														
1 DUAL MAGNUM 7.62 EC 16.0 oz/a EPOST														
1 CADRE 2 AS 4.0 oz/a POST														
1 DUAL MAGNUM 7.62 EC 16.0 oz/a POST														
1 2,4-DB 1.75 SL 16.0 oz/a POST														

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						-----	AMAPA	A.GRASS	AMAPA	A.GRASS	AMAPA	A.GRASS	
Crop Code						ARAHY	-----	-----	-----	-----	-----	-----	
Part Rated						LEAF							
Rating Data Type						BURN	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Unit						PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
Rating Date						May-19-17	May-19-17	May-19-17	May-30-17	May-30-17	Jun-23-17	Jun-23-17	
PRM Data Type						ET9							
# Subsamples, Dec.													
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Unit	Stg	Code	1	2	3	4	5	6	7
4	10 PM						15.0 a	100.0 a	100.0 a	100.0 a	100.0 a	98.0 a	99.0 a
1	GRAMOXONE	2	SL	12.0 oz/a	EPOST								
1	STORM	4	SL	16.0 oz/a	EPOST								
1	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST								
1	CADRE	2	AS	4.0 oz/a	POST								
1	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST								
1	2,4-DB	1.75	SL	16.0 oz/a	POST								
1	7 AM						23.8 a	100.0 a	100.0 a	100.0 a	100.0 a	99.0 a	96.8 a
2	GRAMOXONE	2	SL	12.0 oz/a	EPOST								
2	STORM	4	SL	16.0 oz/a	EPOST								
2	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST								
2	COBRA	2	EC	12.0 oz/a	POST								
2	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST								
2	2,4-DB	1.75	SL	16.0 oz/a	POST								
2	12 PM						25.0 a	100.0 a	100.0 a	100.0 a	100.0 a	99.0 a	99.0 a
2	GRAMOXONE	2	SL	12.0 oz/a	EPOST								
2	STORM	4	SL	16.0 oz/a	EPOST								
2	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST								
2	COBRA	2	EC	12.0 oz/a	POST								
2	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST								
2	2,4-DB	1.75	SL	16.0 oz/a	POST								
3	5 PM						25.0 a	100.0 a	100.0 a	100.0 a	100.0 a	97.0 a	98.0 a
2	GRAMOXONE	2	SL	12.0 oz/a	EPOST								
2	STORM	4	SL	16.0 oz/a	EPOST								
2	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST								
2	COBRA	2	EC	12.0 oz/a	POST								
2	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST								
2	2,4-DB	1.75	SL	16.0 oz/a	POST								
4	10 PM						15.0 a	100.0 a	100.0 a	100.0 a	98.8 a	99.0 a	99.0 a
2	GRAMOXONE	2	SL	12.0 oz/a	EPOST								
2	STORM	4	SL	16.0 oz/a	EPOST								
2	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST								
2	COBRA	2	EC	12.0 oz/a	POST								
2	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST								
2	2,4-DB	1.75	SL	16.0 oz/a	POST								
LSD P=.10							4.52	.	.	1.15	1.15	3.45	3.28
Standard Deviation							3.49	0.00	0.00	0.88	0.88	2.66	2.53
CV							15.49	0.00	0.00	0.89	0.89	2.72	2.57

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						ARAHY	AMAPA	A.GRASS	AMAPA	A.GRASS	AMAPA	A.GRASS		
Crop Code						LEAF -								
Part Rated						BURN								
Rating Data Type						PERCENT	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL		
Rating Unit						PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT		
Rating Date						Jun-28-17	Jun-28-17	Jun-28-17	Jul-17-17	Jul-17-17	Aug-23-17	Aug-23-17		
PRM Data Type														
# Subsamples, Dec.														
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Stg	Appl Code	8	9	10	11	12	13	14
TABLE OF R MEANS														
Replicate 1														
								10.0	98.5	98.0	98.5	97.9	98.5	98.0
Replicate 2														
								9.4	98.5	99.0	98.5	96.1	98.0	94.3
Replicate 3														
								10.0	98.5	97.9	99.0	96.8	98.5	97.9
Replicate 4														
								8.8	98.5	99.0	99.0	99.0	99.0	98.5
TABLE OF A (TIME OF DAY) MEANS														
1 7 AM														
								8.1 c	98.5 ab	97.4 a	98.5 a	97.3 a	98.5 a	96.9 a
2 12 PM														
								13.8 a	97.5 b	99.0 a	98.5 a	97.9 a	98.0 a	96.6 a
3 5 PM														
								10.6 b	99.0 a	98.5 a	99.0 a	95.6 a	98.5 a	96.1 a
4 10 PM														
								5.6 d	99.0 a	99.0 a	99.0 a	99.0 a	99.0 a	99.0 a
LSD P=.10														
								1.73	1.06	1.51	0.97	3.36	1.22	4.17
Standard Deviation														
								1.89	1.15	1.64	1.05	3.66	1.33	4.55
CV														
								19.79	1.17	1.67	1.07	3.76	1.35	4.68
TABLE OF B (TREATMENT) MEANS														
1 GRAMOXONE 2 SL 12.0 oz/a EPOST														
								1.9 b	98.0 b	98.8 a	98.5 a	99.0 a	98.3 a	99.0 a
1 STORM 4 SL 16.0 oz/a EPOST														
1 DUAL MAGNUM 7.62 EC 16.0 oz/a EPOST														
1 CADRE 2 AS 4.0 oz/a POST														
1 DUAL MAGNUM 7.62 EC 16.0 oz/a POST														
1 2,4-DB 1.75 SL 16.0 oz/a POST														
2 GRAMOXONE 2 SL 12.0 oz/a EPOST														
								17.2 a	99.0 a	98.2 a	99.0 a	95.9 b	98.8 a	95.3 a
2 STORM 4 SL 16.0 oz/a EPOST														
2 DUAL MAGNUM 7.62 EC 16.0 oz/a EPOST														
2 COBRA 2 EC 12.0 oz/a POST														
2 DUAL MAGNUM 7.62 EC 16.0 oz/a POST														
2 2,4-DB 1.75 SL 16.0 oz/a POST														
LSD P=.10														
								1.85	.	1.32	0.68	2.99	0.68	4.60
Standard Deviation														
								2.22	0.00	1.59	0.82	3.59	0.82	5.53
CV														
								23.34	0.00	1.62	0.83	3.68	0.83	5.69
TABLE OF A (TIME OF DAY) B (TREATMENT) MEANS														
1 7 AM														
								0.0 e	98.0 a	98.0 a	98.0 a	99.0 a	98.0 a	99.0 a
1 GRAMOXONE 2 SL 12.0 oz/a EPOST														
1 STORM 4 SL 16.0 oz/a EPOST														
1 DUAL MAGNUM 7.62 EC 16.0 oz/a EPOST														
1 CADRE 2 AS 4.0 oz/a POST														
1 DUAL MAGNUM 7.62 EC 16.0 oz/a POST														
1 2,4-DB 1.75 SL 16.0 oz/a POST														
2 12 PM														
								7.5 d	96.0 b	99.0 a	98.0 a	99.0 a	97.0 a	99.0 a
1 GRAMOXONE 2 SL 12.0 oz/a EPOST														
1 STORM 4 SL 16.0 oz/a EPOST														
1 DUAL MAGNUM 7.62 EC 16.0 oz/a EPOST														
1 CADRE 2 AS 4.0 oz/a POST														
1 DUAL MAGNUM 7.62 EC 16.0 oz/a POST														
1 2,4-DB 1.75 SL 16.0 oz/a POST														
3 5 PM														
								0.0 e	99.0 a	99.0 a	99.0 a	99.0 a	99.0 a	99.0 a
1 GRAMOXONE 2 SL 12.0 oz/a EPOST														
1 STORM 4 SL 16.0 oz/a EPOST														
1 DUAL MAGNUM 7.62 EC 16.0 oz/a EPOST														
1 CADRE 2 AS 4.0 oz/a POST														
1 DUAL MAGNUM 7.62 EC 16.0 oz/a POST														
1 2,4-DB 1.75 SL 16.0 oz/a POST														

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

Weed Code						ARAHY	AMAPA	A.GRASS	AMAPA	A.GRASS	AMAPA	A.GRASS	
Crop Code						----	----	----	----	----	----	----	
Part Rated						LEAF -							
Rating Data Type						BURN	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Unit						PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
Rating Date						Jun-28-17	Jun-28-17	Jun-28-17	Jul-17-17	Jul-17-17	Aug-23-17	Aug-23-17	
PRM Data Type													
# Subsamples, Dec.													
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit Stg	Appl Code	8	9	10	11	12	13	14
4	10 PM						0.0 e	99.0 a	99.0 a	99.0 a	99.0 a	99.0 a	99.0 a
	1 GRAMOXONE	2	SL	12.0 oz/a	EPOST								
	1 STORM	4	SL	16.0 oz/a	EPOST								
	1 DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST								
	1 CADRE	2	AS	4.0 oz/a	POST								
	1 DUAL MAGNUM	7.62	EC	16.0 oz/a	POST								
	1 2,4-DB	1.75	SL	16.0 oz/a	POST								
1	7 AM						16.3 b	99.0 a	96.8 a	99.0 a	95.5 a	99.0 a	94.8 a
	2 GRAMOXONE	2	SL	12.0 oz/a	EPOST								
	2 STORM	4	SL	16.0 oz/a	EPOST								
	2 DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST								
	2 COBRA	2	EC	12.0 oz/a	POST								
	2 DUAL MAGNUM	7.62	EC	16.0 oz/a	POST								
	2 2,4-DB	1.75	SL	16.0 oz/a	POST								
2	12 PM						20.0 a	99.0 a	99.0 a	99.0 a	96.8 a	99.0 a	94.3 a
	2 GRAMOXONE	2	SL	12.0 oz/a	EPOST								
	2 STORM	4	SL	16.0 oz/a	EPOST								
	2 DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST								
	2 COBRA	2	EC	12.0 oz/a	POST								
	2 DUAL MAGNUM	7.62	EC	16.0 oz/a	POST								
	2 2,4-DB	1.75	SL	16.0 oz/a	POST								
3	5 PM						21.3 a	99.0 a	98.0 a	99.0 a	92.3 a	98.0 a	93.3 a
	2 GRAMOXONE	2	SL	12.0 oz/a	EPOST								
	2 STORM	4	SL	16.0 oz/a	EPOST								
	2 DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST								
	2 COBRA	2	EC	12.0 oz/a	POST								
	2 DUAL MAGNUM	7.62	EC	16.0 oz/a	POST								
	2 2,4-DB	1.75	SL	16.0 oz/a	POST								
4	10 PM						11.3 c	99.0 a	99.0 a	99.0 a	99.0 a	99.0 a	99.0 a
	2 GRAMOXONE	2	SL	12.0 oz/a	EPOST								
	2 STORM	4	SL	16.0 oz/a	EPOST								
	2 DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST								
	2 COBRA	2	EC	12.0 oz/a	POST								
	2 DUAL MAGNUM	7.62	EC	16.0 oz/a	POST								
	2 2,4-DB	1.75	SL	16.0 oz/a	POST								
LSD P=.10						2.19	1.50	2.86	1.37	4.75	1.83	5.90	
Standard Deviation						1.69	1.15	2.21	1.05	3.66	1.41	4.55	
CV						17.76	1.17	2.24	1.07	3.76	1.44	4.68	

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Weed Code						-----	-----
Crop Code						ARAHY	ARAHY
Part Rated						PLOT -	PLOT -
Rating Data Type						YIELD	YIELD
Rating Unit						LBS	LBS/A
Rating Date						Sep-18-17	Sep-18-17
PRM Data Type						ET9	TY1
# Subsamples, Dec.						- 2	- 1
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Stg	Appl Code
							15
							16
TABLE OF R MEANS							
Replicate 1							
							20.83
							5491.5
Replicate 2							
							22.61
							5961.1
Replicate 3							
							21.83
							5755.1
Replicate 4							
							21.89
							5770.0
TABLE OF A (TIME OF DAY) MEANS							
1 7 AM							
							20.42 c
							5382.8 c
2 12 PM							
							22.54 ab
							5941.3 ab
3 5 PM							
							21.43 bc
							5648.0 bc
4 10 PM							
							22.78 a
							6005.6 a
LSD P=.10							
Standard Deviation							
							1.272
							335.26
CV							
							1.388
							365.79
							6.368
							6.37
TABLE OF B (TREATMENT) MEANS							
1 GRAMOXONE 2 SL 12.0 oz/a EPOST							
							22.39 a
							5901.8 a
1 STORM 4 SL 16.0 oz/a EPOST							
1 DUAL MAGNUM 7.62 EC 16.0 oz/a EPOST							
1 CADRE 2 AS 4.0 oz/a POST							
1 DUAL MAGNUM 7.62 EC 16.0 oz/a POST							
1 2,4-DB 1.75 SL 16.0 oz/a POST							
2 GRAMOXONE 2 SL 12.0 oz/a EPOST							
							21.19 a
							5587.1 a
2 STORM 4 SL 16.0 oz/a EPOST							
2 DUAL MAGNUM 7.62 EC 16.0 oz/a EPOST							
2 COBRA 2 EC 12.0 oz/a POST							
2 DUAL MAGNUM 7.62 EC 16.0 oz/a POST							
2 2,4-DB 1.75 SL 16.0 oz/a POST							
LSD P=.10							
Standard Deviation							
							1.332
							351.10
CV							
							1.601
							421.97
							7.346
							7.35
TABLE OF A (TIME OF DAY) B (TREATMENT) MEANS							
1 7 AM							
							20.54 a
							5414.1 a
1 GRAMOXONE 2 SL 12.0 oz/a EPOST							
1 STORM 4 SL 16.0 oz/a EPOST							
1 DUAL MAGNUM 7.62 EC 16.0 oz/a EPOST							
1 CADRE 2 AS 4.0 oz/a POST							
1 DUAL MAGNUM 7.62 EC 16.0 oz/a POST							
1 2,4-DB 1.75 SL 16.0 oz/a POST							
2 12 PM							
							23.78 a
							6267.5 a
1 GRAMOXONE 2 SL 12.0 oz/a EPOST							
1 STORM 4 SL 16.0 oz/a EPOST							
1 DUAL MAGNUM 7.62 EC 16.0 oz/a EPOST							
1 CADRE 2 AS 4.0 oz/a POST							
1 DUAL MAGNUM 7.62 EC 16.0 oz/a POST							
1 2,4-DB 1.75 SL 16.0 oz/a POST							
3 5 PM							
							21.91 a
							5776.5 a
1 GRAMOXONE 2 SL 12.0 oz/a EPOST							
1 STORM 4 SL 16.0 oz/a EPOST							
1 DUAL MAGNUM 7.62 EC 16.0 oz/a EPOST							
1 CADRE 2 AS 4.0 oz/a POST							
1 DUAL MAGNUM 7.62 EC 16.0 oz/a POST							
1 2,4-DB 1.75 SL 16.0 oz/a POST							

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							----- ARAHY PLOT - YIELD LBS Sep-18-17 ET9 - 2	----- ARAHY PLOT - YIELD LBS/A Sep-18-17 TY1 - 1
Trt	Treatment	Form	Form	Rate	Grow	Appl		
No.	Name	Conc	Type	Unit	Stg	Code	15	16
4	10 PM						23.33 a	6148.9 a
1	GRAMOXONE	2	SL	12.0 oz/a	EPOST			
1	STORM	4	SL	16.0 oz/a	EPOST			
1	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST			
1	CADRE	2	AS	4.0 oz/a	POST			
1	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST			
1	2,4-DB	1.75	SL	16.0 oz/a	POST			
1	7 AM						20.30 a	5351.5 a
2	GRAMOXONE	2	SL	12.0 oz/a	EPOST			
2	STORM	4	SL	16.0 oz/a	EPOST			
2	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST			
2	COBRA	2	EC	12.0 oz/a	POST			
2	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST			
2	2,4-DB	1.75	SL	16.0 oz/a	POST			
2	12 PM						21.30 a	5615.1 a
2	GRAMOXONE	2	SL	12.0 oz/a	EPOST			
2	STORM	4	SL	16.0 oz/a	EPOST			
2	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST			
2	COBRA	2	EC	12.0 oz/a	POST			
2	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST			
2	2,4-DB	1.75	SL	16.0 oz/a	POST			
3	5 PM						20.94 a	5519.5 a
2	GRAMOXONE	2	SL	12.0 oz/a	EPOST			
2	STORM	4	SL	16.0 oz/a	EPOST			
2	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST			
2	COBRA	2	EC	12.0 oz/a	POST			
2	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST			
2	2,4-DB	1.75	SL	16.0 oz/a	POST			
4	10 PM						22.24 a	5862.2 a
2	GRAMOXONE	2	SL	12.0 oz/a	EPOST			
2	STORM	4	SL	16.0 oz/a	EPOST			
2	DUAL MAGNUM	7.62	EC	16.0 oz/a	EPOST			
2	COBRA	2	EC	12.0 oz/a	POST			
2	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST			
2	2,4-DB	1.75	SL	16.0 oz/a	POST			
LSD P=.10							2.874	757.75
Standard Deviation							2.218	584.59
CV							10.177	10.18

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COMPLETE FACTORIAL AOV For ----- ARAHY LEAF BURN PERCENT May-19-17 ET9 (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	950.000000				
R	3	31.250000	10.416667	0.857	0.4975	
A	3	675.000000	225.000000	46.286	0.0001	2.0
RA	9	43.750000	4.861111			
B	1	3.125000	3.125000	0.176	0.7027	3.5
RB	3	53.125000	17.708333			
AB	3	34.375000	11.458333	0.943	0.4597	4.5
RAB	9	109.375000	12.152778			

COMPLETE FACTORIAL AOV For AMAPA ----- CONTROL PERCENT May-19-17 (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	0.000000				
R	3	0.000000	0.000000	0.000	1.0000	
A	3	0.000000	0.000000	0.000	1.0000	
RA	9	0.000000	0.000000			
B	1	0.000000	0.000000	0.000	1.0000	
RB	3	0.000000	0.000000			
AB	3	0.000000	0.000000	0.000	1.0000	
RAB	9	0.000000	0.000000			

COMPLETE FACTORIAL AOV For A.GRASS ----- CONTROL PERCENT May-19-17 (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	0.000000				
R	3	0.000000	0.000000	0.000	1.0000	
A	3	0.000000	0.000000	0.000	1.0000	
RA	9	0.000000	0.000000			
B	1	0.000000	0.000000	0.000	1.0000	
RB	3	0.000000	0.000000			
AB	3	0.000000	0.000000	0.000	1.0000	
RAB	9	0.000000	0.000000			

COMPLETE FACTORIAL AOV For AMAPA ----- CONTROL PERCENT May-30-17 (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	24.218750				
R	3	2.343750	0.781250	1.000	0.4363	
A	3	2.343750	0.781250	1.000	0.4363	0.8
RA	9	7.031250	0.781250			
B	1	0.781250	0.781250	1.000	0.3910	0.7
RB	3	2.343750	0.781250			
AB	3	2.343750	0.781250	1.000	0.4363	1.1
RAB	9	7.031250	0.781250			

COMPLETE FACTORIAL AOV For A.GRASS ----- CONTROL PERCENT May-30-17 (Data Column 5)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	24.218750				
R	3	2.343750	0.781250	1.000	0.4363	
A	3	2.343750	0.781250	1.000	0.4363	0.8
RA	9	7.031250	0.781250			
B	1	0.781250	0.781250	1.000	0.3910	0.7
RB	3	2.343750	0.781250			
AB	3	2.343750	0.781250	1.000	0.4363	1.1
RAB	9	7.031250	0.781250			

COMPLETE FACTORIAL AOV For AMAPA ----- CONTROL PERCENT Jun-23-17 (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	196.875000				
R	3	7.125000	2.375000	0.336	0.7999	
A	3	11.125000	3.708333	0.579	0.6432	2.3
RA	9	57.625000	6.402778			
B	1	15.125000	15.125000	40.333	0.0079	0.5
RB	3	1.125000	0.375000			
AB	3	41.125000	13.708333	1.939	0.1939	3.4
RAB	9	63.625000	7.069444			

Means followed by same letter or symbol do not significantly differ (P=.10, LSD)
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COMPLETE FACTORIAL AOV For A.GRASS ----- CONTROL PERCENT Jun-23-17 (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	172.875000				
R	3	3.125000	1.041667	0.163	0.9186	
A	3	12.125000	4.041667	0.600	0.6310	2.4
RA	9	60.625000	6.736111			
B	1	0.000000	0.000000	0.000	1.0000	2.4
RB	3	24.250000	8.083333			
AB	3	15.250000	5.083333	0.796	0.5266	3.3
RAB	9	57.500000	6.388889			

COMPLETE FACTORIAL AOV For ARAHY ----- LEAF BURN PERCENT Jun-28-17 (Data Column 8)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	2367.968750				
R	3	8.593750	2.864583	1.000	0.4363	
A	3	289.843750	96.614583	27.146	0.0001	1.7
RA	9	32.031250	3.559028			
B	1	1875.781250	1875.781250	379.105	0.0003	1.9
RB	3	14.843750	4.947917			
AB	3	121.093750	40.364583	14.091	0.0010	2.2
RAB	9	25.781250	2.864583			

COMPLETE FACTORIAL AOV For AMAPA ----- CONTROL PERCENT Jun-28-17 (Data Column 9)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	56.000000				
R	3	0.000000	0.000000	0.000	1.0000	
A	3	12.000000	4.000000	3.000	0.0877	1.1
RA	9	12.000000	1.333333			
B	1	8.000000	8.000000	0.000	1.0000	
RB	3	0.000000	0.000000			
AB	3	12.000000	4.000000	3.000	0.0877	1.5
RAB	9	12.000000	1.333333			

COMPLETE FACTORIAL AOV For A.GRASS ----- CONTROL PERCENT Jun-28-17 (Data Column 10)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	103.968750				
R	3	9.093750	3.031250	0.623	0.6177	
A	3	14.093750	4.697917	1.741	0.2280	1.5
RA	9	24.281250	2.697917			
B	1	2.531250	2.531250	1.000	0.3910	1.3
RB	3	7.593750	2.531250			
AB	3	2.593750	0.864583	0.178	0.9088	2.9
RAB	9	43.781250	4.864583			

COMPLETE FACTORIAL AOV For AMAPA ----- CONTROL PERCENT Jul-17-17 (Data Column 11)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	30.000000				
R	3	2.000000	0.666667	0.600	0.6310	
A	3	2.000000	0.666667	0.600	0.6310	1.0
RA	9	10.000000	1.111111			
B	1	2.000000	2.000000	3.000	0.1817	0.7
RB	3	2.000000	0.666667			
AB	3	2.000000	0.666667	0.600	0.6310	1.4
RAB	9	10.000000	1.111111			

COMPLETE FACTORIAL AOV For A.GRASS ----- CONTROL PERCENT Jul-17-17 (Data Column 12)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	491.875000				
R	3	38.625000	12.875000	0.961	0.4523	
A	3	47.625000	15.875000	1.184	0.3692	3.4
RA	9	120.625000	13.402778			
B	1	78.125000	78.125000	6.068	0.0906	3.0
RB	3	38.625000	12.875000			
AB	3	47.625000	15.875000	1.184	0.3692	4.7
RAB	9	120.625000	13.402778			

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COMPLETE FACTORIAL AOV For AMAPA ----- CONTROL PERCENT Aug-23-17 (Data Column 13)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	56.000000				
R	3	4.000000	1.333333	0.667	0.5934	
A	3	4.000000	1.333333	0.750	0.5493	1.2
RA	9	16.000000	1.777778			
B	1	2.000000	2.000000	3.000	0.1817	0.7
RB	3	2.000000	0.666667			
AB	3	10.000000	3.333333	1.667	0.2427	1.8
RAB	9	18.000000	2.000000			

COMPLETE FACTORIAL AOV For A.GRASS ----- CONTROL PERCENT Aug-23-17 (Data Column 14)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	742.218750				
R	3	91.843750	30.614583	1.479	0.2848	
A	3	38.593750	12.864583	0.622	0.6186	4.2
RA	9	186.281250	20.697917			
B	1	108.781250	108.781250	3.553	0.1559	4.6
RB	3	91.843750	30.614583			
AB	3	38.593750	12.864583	0.622	0.6186	5.9
RAB	9	186.281250	20.697917			

COMPLETE FACTORIAL AOV For ----- ARAHY PLOT YIELD LBS Sep-18-17 ET9 2 (Data Column 15)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	127.197188				
R	3	12.855313	4.285104	0.871	0.4910	
A	3	28.439063	9.479687	4.924	0.0272	1.27
RA	9	17.327813	1.925313			
B	1	11.400313	11.400313	4.449	0.1254	1.33
RB	3	7.686563	2.562188			
AB	3	5.230313	1.743438	0.355	0.7872	2.87
RAB	9	44.257813	4.917535			

COMPLETE FACTORIAL AOV For ----- ARAHY PLOT YIELD LBS/A Sep-18-17 TY1 1 (Data Column 16)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	8839545.521310				
R	3	893377.615243	297792.538414	0.871	0.4910	
A	3	1976367.500674	658789.166891	4.924	0.0272	335.3
RA	9	1204193.193175	133799.243686			
B	1	792262.653613	792262.653613	4.449	0.1254	351.1
RB	3	534176.269590	178058.756530			
AB	3	363479.620447	121159.873482	0.355	0.7872	757.7
RAB	9	3075688.668567	341743.185396			

Weed Code
 AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.
 Part Rated
 LEAF = LEAF / FOLIAGE
 PRM Data Type
 ET9 = Excluded treatment 9
 TY1 = 263.6187*[C15]

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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INFLUENCE OF TIME OF DAY APPLICATIONS ON PEANUT WEED CONTROL SYSTEMS - I Trial ID: PE-01-17 Study Dir.: O.W. CARTER 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 LEAF - BURN PERCENT May-19-17 ET9	AMAPA ----- CONTROL PERCENT May-19-17	A.GRASS ----- CONTROL PERCENT May-19-17	AMAPA ----- CONTROL PERCENT May-30-17	A.GRASS ----- CONTROL PERCENT May-30-17	AMAPA ----- CONTROL PERCENT Jun-23-17	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Stg	Appl Code	Plot	1	2	3	4	5	6
1	7 AM						A	101	20.0	100.0	100.0	100.0	100.0	90.0
	GRAMOXONE	2	SL	12.0	oz/a	EPOST		204	20.0	100.0	100.0	100.0	100.0	99.0
	STORM	4	SL	16.0	oz/a	EPOST		305	20.0	100.0	100.0	100.0	100.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST		406	25.0	100.0	100.0	100.0	100.0	99.0
	CADRE	2	AS	4.0	oz/a	POST								
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST								
	2,4-DB	1.75	SL	16.0	oz/a	POST								
								Mean =	21.3	100.0	100.0	100.0	100.0	96.8
2	7 AM						A	102	30.0	100.0	100.0	100.0	100.0	99.0
	GRAMOXONE	2	SL	12.0	oz/a	EPOST		207	20.0	100.0	100.0	100.0	100.0	99.0
	STORM	4	SL	16.0	oz/a	EPOST		301	20.0	100.0	100.0	100.0	100.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST		405	25.0	100.0	100.0	100.0	100.0	99.0
	COBRA	2	EC	12.0	oz/a	POST								
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST								
	2,4-DB	1.75	SL	16.0	oz/a	POST								
								Mean =	23.8	100.0	100.0	100.0	100.0	99.0
3	12 PM						B	103	30.0	100.0	100.0	100.0	100.0	99.0
	GRAMOXONE	2	SL	12.0	oz/a	EPOST		208	25.0	100.0	100.0	100.0	100.0	90.0
	STORM	4	SL	16.0	oz/a	EPOST		307	30.0	100.0	100.0	100.0	100.0	95.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST		401	25.0	100.0	100.0	100.0	100.0	95.0
	CADRE	2	AS	4.0	oz/a	POST								
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST								
	2,4-DB	1.75	SL	16.0	oz/a	POST								
								Mean =	27.5	100.0	100.0	100.0	100.0	94.8
4	12 PM						B	104	25.0	100.0	100.0	100.0	100.0	99.0
	GRAMOXONE	2	SL	12.0	oz/a	EPOST		202	30.0	100.0	100.0	100.0	100.0	99.0
	STORM	4	SL	16.0	oz/a	EPOST		304	20.0	100.0	100.0	100.0	100.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST		403	25.0	100.0	100.0	100.0	100.0	99.0
	COBRA	2	EC	12.0	oz/a	POST								
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST								
	2,4-DB	1.75	SL	16.0	oz/a	POST								
								Mean =	25.0	100.0	100.0	100.0	100.0	99.0
5	5 PM						C	105	30.0	100.0	100.0	100.0	100.0	99.0
	GRAMOXONE	2	SL	12.0	oz/a	EPOST		203	25.0	100.0	100.0	100.0	100.0	99.0
	STORM	4	SL	16.0	oz/a	EPOST		306	30.0	100.0	100.0	100.0	100.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST		409	25.0	100.0	100.0	95.0	100.0	99.0
	CADRE	2	AS	4.0	oz/a	POST								
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST								
	2,4-DB	1.75	SL	16.0	oz/a	POST								
								Mean =	27.5	100.0	100.0	98.8	100.0	99.0
6	5 PM						C	106	25.0	100.0	100.0	100.0	100.0	95.0
	GRAMOXONE	2	SL	12.0	oz/a	EPOST		201	25.0	100.0	100.0	100.0	100.0	95.0
	STORM	4	SL	16.0	oz/a	EPOST		309	20.0	100.0	100.0	100.0	100.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST		404	30.0	100.0	100.0	100.0	100.0	99.0
	COBRA	2	EC	12.0	oz/a	POST								
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST								
	2,4-DB	1.75	SL	16.0	oz/a	POST								
								Mean =	25.0	100.0	100.0	100.0	100.0	97.0
7	10 PM						D	107	15.0	100.0	100.0	100.0	100.0	99.0
	GRAMOXONE	2	SL	12.0	oz/a	EPOST		209	15.0	100.0	100.0	100.0	100.0	99.0
	STORM	4	SL	16.0	oz/a	EPOST		303	15.0	100.0	100.0	100.0	100.0	95.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST		402	15.0	100.0	100.0	100.0	100.0	99.0
	CADRE	2	AS	4.0	oz/a	POST								
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST								
	2,4-DB	1.75	SL	16.0	oz/a	POST								
								Mean =	15.0	100.0	100.0	100.0	100.0	98.0

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Weed Code							-----	AMAPA	A. GRASS	AMAPA	A. GRASS	AMAPA		
Crop Code							ARAHY	-----	-----	-----	-----	-----		
Part Rated							LEAF -							
Rating Data Type							BURN	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL		
Rating Unit							PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT		
Rating Date							May-19-17	May-19-17	May-19-17	May-30-17	May-30-17	Jun-23-17		
PRM Data Type							ET9							
# Subsamples, Dec.														
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3	4	5	6
8	10 PM						D	108	15.0	100.0	100.0	100.0	100.0	99.0
	GRAMOXONE	2	SL	12.0	oz/a	EPOST		206	15.0	100.0	100.0	100.0	100.0	99.0
	STORM	4	SL	16.0	oz/a	EPOST		308	15.0	100.0	100.0	100.0	100.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST		407	15.0	100.0	100.0	100.0	95.0	99.0
	COBRA	2	EC	12.0	oz/a	POST								
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST								
	2,4-DB	1.75	SL	16.0	oz/a	POST								
							Mean =		15.0	100.0	100.0	100.0	98.8	99.0
9	NTC							109	0.0	0.0	0.0	0.0	0.0	0.0
								205	0.0	0.0	0.0	0.0	0.0	0.0
								302	0.0	0.0	0.0	0.0	0.0	0.0
								408	0.0	0.0	0.0	0.0	0.0	0.0
							Mean =		0.0	0.0	0.0	0.0	0.0	0.0

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.						A.GRASS ----- CONTROL PERCENT Jun-23-17	ARAHY ---- LEAF - BURN PERCENT Jun-28-17	AMAPA ----- CONTROL PERCENT Jun-28-17	A.GRASS ----- CONTROL PERCENT Jun-28-17	AMAPA ----- CONTROL PERCENT Jul-17-17	A.GRASS ----- CONTROL PERCENT Jul-17-17		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit Stg	Appl Code	Plot	7	8	9	10	11	12
1	7 AM					A	101	95.0	0.0	95.0	95.0	95.0	99.0
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	204	99.0	0.0	99.0	99.0	99.0	99.0
	STORM	4	SL	16.0	oz/a	EPOST	305	99.0	0.0	99.0	99.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	406	99.0	0.0	99.0	99.0	99.0	99.0
	CADRE	2	AS	4.0	oz/a	POST							
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST							
	2,4-DB	1.75	SL	16.0	oz/a	POST							
						Mean =		98.0	0.0	98.0	98.0	98.0	99.0
2	7 AM					A	102	99.0	20.0	99.0	99.0	99.0	99.0
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	207	99.0	15.0	99.0	99.0	99.0	99.0
	STORM	4	SL	16.0	oz/a	EPOST	301	90.0	15.0	99.0	90.0	99.0	85.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	405	99.0	15.0	99.0	99.0	99.0	99.0
	COBRA	2	EC	12.0	oz/a	POST							
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST							
	2,4-DB	1.75	SL	16.0	oz/a	POST							
						Mean =		96.8	16.3	99.0	96.8	99.0	95.5
3	12 PM					B	103	99.0	5.0	99.0	99.0	99.0	99.0
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	208	99.0	10.0	95.0	99.0	95.0	99.0
	STORM	4	SL	16.0	oz/a	EPOST	307	99.0	10.0	95.0	99.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	401	90.0	5.0	95.0	99.0	99.0	99.0
	CADRE	2	AS	4.0	oz/a	POST							
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST							
	2,4-DB	1.75	SL	16.0	oz/a	POST							
						Mean =		96.8	7.5	96.0	99.0	98.0	99.0
4	12 PM					B	104	99.0	20.0	99.0	99.0	99.0	99.0
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	202	99.0	20.0	99.0	99.0	99.0	90.0
	STORM	4	SL	16.0	oz/a	EPOST	304	99.0	20.0	99.0	99.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	403	99.0	20.0	99.0	99.0	99.0	99.0
	COBRA	2	EC	12.0	oz/a	POST							
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST							
	2,4-DB	1.75	SL	16.0	oz/a	POST							
						Mean =		99.0	20.0	99.0	99.0	99.0	96.8
5	5 PM					C	105	99.0	0.0	99.0	99.0	99.0	99.0
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	203	99.0	0.0	99.0	99.0	99.0	99.0
	STORM	4	SL	16.0	oz/a	EPOST	306	99.0	0.0	99.0	99.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	409	99.0	0.0	99.0	99.0	99.0	99.0
	CADRE	2	AS	4.0	oz/a	POST							
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST							
	2,4-DB	1.75	SL	16.0	oz/a	POST							
						Mean =		99.0	0.0	99.0	99.0	99.0	99.0
6	5 PM					C	106	99.0	25.0	99.0	95.0	99.0	90.0
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	201	95.0	20.0	99.0	99.0	99.0	85.0
	STORM	4	SL	16.0	oz/a	EPOST	309	99.0	20.0	99.0	99.0	99.0	95.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	404	99.0	20.0	99.0	99.0	99.0	99.0
	COBRA	2	EC	12.0	oz/a	POST							
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST							
	2,4-DB	1.75	SL	16.0	oz/a	POST							
						Mean =		98.0	21.3	99.0	98.0	99.0	92.3
7	10 PM					D	107	99.0	0.0	99.0	99.0	99.0	99.0
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	209	99.0	0.0	99.0	99.0	99.0	99.0
	STORM	4	SL	16.0	oz/a	EPOST	303	99.0	0.0	99.0	99.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	402	99.0	0.0	99.0	99.0	99.0	99.0
	CADRE	2	AS	4.0	oz/a	POST							
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST							
	2,4-DB	1.75	SL	16.0	oz/a	POST							
						Mean =		99.0	0.0	99.0	99.0	99.0	99.0

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Weed Code							A.GRASS	ARAHY	AMAPA	A.GRASS	AMAPA	A.GRASS		
Crop Code							----	----	----	----	----	----		
Part Rated								LEAF -						
Rating Data Type							CONTROL	BURN	CONTROL	CONTROL	CONTROL	CONTROL		
Rating Unit							PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT		
Rating Date							Jun-23-17	Jun-28-17	Jun-28-17	Jun-28-17	Jul-17-17	Jul-17-17		
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
8	10 PM						D	108	99.0	10.0	99.0	99.0	99.0	99.0
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	206		99.0	10.0	99.0	99.0	99.0	99.0
	STORM	4	SL	16.0	oz/a	EPOST	308		99.0	15.0	99.0	99.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	407		99.0	10.0	99.0	99.0	99.0	99.0
	COBRA	2	EC	12.0	oz/a	POST								
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST								
	2,4-DB	1.75	SL	16.0	oz/a	POST								
							Mean =		99.0	11.3	99.0	99.0	99.0	99.0
9	NTC							109	0.0	0.0	0.0	0.0	0.0	0.0
								205	0.0	0.0	0.0	0.0	0.0	0.0
								302	0.0	0.0	0.0	0.0	0.0	0.0
								408	0.0	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0	0.0

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Weed Code						AMAPA	A.GRASS	-----	-----		
Crop Code						-----	-----	ARAHY	ARAHY		
Part Rated								PLOT -	PLOT -		
Rating Data Type						CONTROL	CONTROL	YIELD	YIELD		
Rating Unit						PERCENT	PERCENT	LBS	LBS/A		
Rating Date						Aug-23-17	Aug-23-17	Sep-18-17	Sep-18-17		
PRM Data Type								ET9	TY1		
# Subsamples, Dec.								- 2	- 1		
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot			
								13	14		
								15	16		
1	7 AM					A	101	95.0	99.0	17.30	4560.6
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	204	99.0	99.0	19.95	5259.2
	STORM	4	SL	16.0	oz/a	EPOST	305	99.0	99.0	23.00	6063.2
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	406	99.0	99.0	21.90	5773.3
	CADRE	2	AS	4.0	oz/a	POST					
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST					
	2,4-DB	1.75	SL	16.0	oz/a	POST					
						Mean =		98.0	99.0	20.54	5414.1
2	7 AM					A	102	99.0	95.0	19.15	5048.3
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	207	99.0	99.0	23.25	6129.1
	STORM	4	SL	16.0	oz/a	EPOST	301	99.0	90.0	17.50	4613.3
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	405	99.0	95.0	21.30	5615.1
	COBRA	2	EC	12.0	oz/a	POST					
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST					
	2,4-DB	1.75	SL	16.0	oz/a	POST					
						Mean =		99.0	94.8	20.30	5351.5
3	12 PM					B	103	99.0	99.0	21.60	5694.2
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	208	95.0	99.0	26.90	7091.3
	STORM	4	SL	16.0	oz/a	EPOST	307	95.0	99.0	23.90	6300.5
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	401	99.0	99.0	22.70	5984.1
	CADRE	2	AS	4.0	oz/a	POST					
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST					
	2,4-DB	1.75	SL	16.0	oz/a	POST					
						Mean =		97.0	99.0	23.78	6267.5
4	12 PM					B	104	99.0	99.0	20.40	5377.8
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	202	99.0	80.0	21.50	5667.8
	STORM	4	SL	16.0	oz/a	EPOST	304	99.0	99.0	20.25	5338.3
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	403	99.0	99.0	23.05	6076.4
	COBRA	2	EC	12.0	oz/a	POST					
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST					
	2,4-DB	1.75	SL	16.0	oz/a	POST					
						Mean =		99.0	94.3	21.30	5615.1
5	5 PM					C	105	99.0	99.0	20.85	5496.5
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	203	99.0	99.0	23.00	6063.2
	STORM	4	SL	16.0	oz/a	EPOST	306	99.0	99.0	22.60	5957.8
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	409	99.0	99.0	21.20	5588.7
	CADRE	2	AS	4.0	oz/a	POST					
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST					
	2,4-DB	1.75	SL	16.0	oz/a	POST					
						Mean =		99.0	99.0	21.91	5776.5
6	5 PM					C	106	99.0	95.0	20.85	5496.5
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	201	95.0	80.0	20.30	5351.5
	STORM	4	SL	16.0	oz/a	EPOST	309	99.0	99.0	21.20	5588.7
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	404	99.0	99.0	21.40	5641.4
	COBRA	2	EC	12.0	oz/a	POST					
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST					
	2,4-DB	1.75	SL	16.0	oz/a	POST					
						Mean =		98.0	93.3	20.94	5519.5
7	10 PM					D	107	99.0	99.0	23.25	6129.1
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	209	99.0	99.0	25.30	6669.6
	STORM	4	SL	16.0	oz/a	EPOST	303	99.0	99.0	21.55	5681.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	402	99.0	99.0	23.20	6116.0
	CADRE	2	AS	4.0	oz/a	POST					
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST					
	2,4-DB	1.75	SL	16.0	oz/a	POST					
						Mean =		99.0	99.0	23.33	6148.9

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Weed Code							AMAPA	A. GRASS	-----	-----		
Crop Code							-----	-----	ARAHY	ARAHY		
Part Rated									PLOT -	PLOT -		
Rating Data Type							CONTROL	CONTROL	YIELD	YIELD		
Rating Unit							PERCENT	PERCENT	LBS	LBS/A		
Rating Date							Aug-23-17	Aug-23-17	Sep-18-17	Sep-18-17		
PRM Data Type									ET9	TY1		
# Subsamples, Dec.									- 2	- 1		
Trt	Treatment	Form	Form	Rate	Grow	Appl						
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	13	14	15	16
8	10 PM					D	108		99.0	99.0	23.25	6129.1
	GRAMOXONE	2	SL	12.0	oz/a	EPOST	206		99.0	99.0	20.70	5456.9
	STORM	4	SL	16.0	oz/a	EPOST	308		99.0	99.0	24.65	6498.2
	DUAL MAGNUM	7.62	EC	16.0	oz/a	EPOST	407		99.0	99.0	20.35	5364.6
	COBRA	2	EC	12.0	oz/a	POST						
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST						
	2,4-DB	1.75	SL	16.0	oz/a	POST						
						Mean =			99.0	99.0	22.24	5862.2
9	NTC						109		0.0	0.0	0.00	0.0
							205		0.0	0.0	0.00	0.0
							302		0.0	0.0	0.00	0.0
							408		0.0	0.0	0.00	0.0
						Mean =			0.0	0.0	0.00	0.0

University of Georgia

INFLUENCE OF TIME OF DAY APPLICATIONS ON PEANUT
WEED CONTROL SYSTEMS - I

Trial ID: PE-01-17 Study Dir.: O.W. CARTER
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code

AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.

Part Rated

LEAF = LEAF / FOLIAGE

PRM Data Type

ET9 = Excluded treatment 9

TY1 = 263.6187*[C15]