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TIME OF DAY EFFECTS ON PEANUT HERBICIDES
NON-CROP-BAREGROUND

Trial ID: PE-02-17 Study Dir.: WEN CARTER
Location: PONDER 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	Grow Unit	Appl Stg	Appl Code	Amt Product to Measure	Rep 1	Rep 2	Rep 3	Rep 4
1	7 AM GRAMOXONE	2 SL		12.0 oz/a		POST	A	9.374 ml/mx	101	205	310	403
	STORM	4 SL		16.0 oz/a		POST		12.5 ml/mx				
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST		12.5 ml/mx				
2	7 AM CADRE	2 AS		4.0 oz/a		POST	A	3.125 ml/mx	102	209	307	411
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST		12.5 ml/mx				
	2,4-DB	1.75 SL		18.0 oz/a		POST		14.06 ml/mx				
3	7 AM COBRA	2 EC		12.5 oz/a		POST	A	9.765 ml/mx	103	213	309	404
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST		12.5 ml/mx				
	2,4-DB	1.75 SL		18.0 oz/a		POST		14.06 ml/mx				
4	12 PM GRAMOXONE	2 SL		12.0 oz/a		POST	B	9.374 ml/mx	104	202	311	402
	STORM	4 SL		16.0 oz/a		POST		12.5 ml/mx				
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST		12.5 ml/mx				
5	12 PM CADRE	2 AS		4.0 oz/a		POST	B	3.125 ml/mx	105	203	305	413
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST		12.5 ml/mx				
	2,4-DB	1.75 SL		18.0 oz/a		POST		14.06 ml/mx				
6	12 PM COBRA	2 EC		12.5 oz/a		POST	B	9.765 ml/mx	106	212	306	407
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST		12.5 ml/mx				
	2,4-DB	1.75 SL		18.0 oz/a		POST		14.06 ml/mx				
7	5 PM GRAMOXONE	2 SL		12.0 oz/a		POST	C	9.374 ml/mx	107	211	304	408
	STORM	4 SL		16.0 oz/a		POST		12.5 ml/mx				
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST		12.5 ml/mx				
8	5 PM CADRE	2 AS		4.0 oz/a		POST	C	3.125 ml/mx	108	206	303	409
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST		12.5 ml/mx				
	2,4-DB	1.75 SL		18.0 oz/a		POST		14.06 ml/mx				
9	5 PM COBRA	2 EC		12.5 oz/a		POST	C	9.765 ml/mx	109	210	313	401
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST		12.5 ml/mx				
	2,4-DB	1.75 SL		18.0 oz/a		POST		14.06 ml/mx				
10	10 PM GRAMOXONE	2 SL		12.0 oz/a		POST	D	9.374 ml/mx	110	204	308	406
	STORM	4 SL		16.0 oz/a		POST		12.5 ml/mx				
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST		12.5 ml/mx				
11	10 PM CADRE	2 AS		4.0 oz/a		POST	D	3.125 ml/mx	111	207	301	410
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST		12.5 ml/mx				
	2,4-DB	1.75 SL		18.0 oz/a		POST		14.06 ml/mx				
12	10 PM COBRA	2 EC		12.5 oz/a		POST	D	9.765 ml/mx	112	208	312	405
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST		12.5 ml/mx				
	2,4-DB	1.75 SL		18.0 oz/a		POST		14.06 ml/mx				
13	NTC								113	201	302	412

Sort Order: Treatment

Trial Comments

LAST TILLAGE: APRIL 24

MAY 15 - SUNRISE: 6:37 am
MAY 15 - SUNSET: 8:23 pm

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SUMMARY:

1) FOR WEED CONTROL RATINGS OBTAINED 23 DAT, THE FOLLOWING OBSERVATIONS WERE MADE:

A) FOR PALMER AMARANTH CONTROL, A SIGNIFICANT INTERACTION WAS OBSERVED BETWEEN TIME OF DAY AND TREATMENT.

- DUE TO ALS -RESISTANCE, CADRE + DUAL MAGNUM + 2,4-DB PROVIDED POOR CONTROL (<45%) OF PALMER AMARANTH AT ALL TIMINGS. HOWEVER, PALMER AMARANTH CONTROL WITH THIS TREATMENT WAS LOWEST WHEN APPLIED AT 7 AM OR 10 PM.

- TIME OF DAY HAD NO EFFECT ON PALMER AMARANTH CONTROL WITH GRAMOXONE + STORM + DUAL MAGNUM OR COBRA + DUAL MAGNUM + 2,4-DB. PALMER AMARANTH CONTROL WITH THESE TREATMENTS EXCEEDED 90%.

B) FOR ANNUAL GRASS CONTROL, THERE WAS NO INTERACTION BETWEEN TIME OF DAY AND TREATMENT (P=0.3575).

- TIME OF DAY HAD NO EFFECT ON ANY TREATMENT (P=0.8658).

- WHEN AVERAGED OVER TIME OF DAY, GRASS CONTROL WAS AS FOLLOWS: CADRE + DUAL MAGNUM + 2,4-DB (88%) > GRAMOXONE + STORM + DUAL MAGNUM (68%) > COBRA + DUAL MAGNUM + 2,4-DB (9%).

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TIME OF DAY EFFECTS ON PEANUT HERBICIDES
 NON-CROP-BAREGROUND
 Trial ID: PE-02-17 Study Dir.: WEN CARTER
 Location: PONDER Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: WEN 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:** AGRASS TX MILLET/CRAB/CROW/GOOSE
Weed 3: _____ **4:** _____

Crop 1: NONE **Variety:** _____ **Planting Date:** _____
Planting Method: _____ **Rate:** _____ **Depth:** _____
Perennial Age: _____ **Row Spacing:** _____ **Seed Bed:** _____
Soil Temperature: _____ **Soil Moisture:** _____ **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: BARE GROUND: NON-CROP; 1 TO/A LIME PREPLANT;

Previous: Crops **Pesticides** **Year**
 1. COTTON 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:** 0.48 **% Sand:** 94 **% Silt:** 2 **% Clay:** 4
pH: 5.2 **CEC:** 2.7 **Soil Name:** FUQUAY **Fertility Level:** GOOD

MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. May-10-17	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
2. May-17-17	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
3. May-21-17	_____	0.11	IN	RAINFALL	_____	_____
4. May-23-17	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
5. May-23-17	_____	0.9	IN	RAINFALL	_____	_____
6. May-24-17	_____	0.51	IN	RAINFALL	_____	_____
7. May-31-17	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
8. Jun-1-17	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____

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

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	May-15-17	May-15-17	May-15-17	May-15-17	_____	_____
Time of Day:	7:00 AM	12:00 PM	5:00 PM	10:00 PM	_____	_____
Application Method:	BROADCAST	BROADCAST	BROADCAST	BROADCAST	_____	_____
Application Timing:	POST	POST	POST	POST	_____	_____
Applic. Placement:	FOLIAGE	FOLIAGE	FOLIAGE	FOLIAGE	_____	_____
Air Temp., Unit:	62 F	80 F	86 F	73 F	_____	_____
% Relative Humidity:	96	53	38	73	_____	_____
Wind Velocity, Unit:	0 MPH	2 MPH	5 MPH	0 MPH	_____	_____
Dew Presence (Y/N):	Y	N	N	N	_____	_____
Water Hardness:	---	---	---	---	_____	_____
Soil Temp., Unit:	71 F	78 F	91 F	84 F	_____	_____
Soil Moisture:	DRY	DRY	DRY	DRY	_____	_____
% Cloud Cover:	0	10	5	_____	_____	_____

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CROP STAGE AT EACH APPLICATION							
		A	B	C	D	E	F
Crop 1	Stage: NONE	_____	_____	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Height, Unit:	_____	_____	_____	_____	_____	_____

WEED STAGE AT EACH APPLICATION							
		A	B	C	D	E	F
Weed 1	Stage: AMAPA 2-3" TALL	_____	_____	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____
Weed 2	Stage: AGRASS 1-2" TALL	_____	_____	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____
Weed 3	Stage: _____	_____	_____	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____

APPLICATION EQUIPMENT							
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	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):	_____	_____	_____	_____	_____	_____	_____

Trt No	Treatment Application Comment
_____	_____

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Weed Code	AMAPA	AGRASS	AMAPA	A.GRASS	AMAPA	A.GRASS	
Crop Code	-----	-----	-----	-----	-----	-----	
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
Rating Date	May-22-17	May-22-17	May-30-17	May-30-17	Jun-7-17	Jun-7-17	
Trt-Eval Interval	7 DA-A	7 DA-A	15 DA-A	15 DA-A	23 DA-A	23 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Code
1	2	3	4	5	6		
TABLE OF R MEANS							
Replicate 1							
	84.8	66.7	82.0	53.8	74.6	47.9	
Replicate 2							
	83.5	65.0	82.3	52.9	70.8	56.3	
Replicate 3							
	85.2	64.2	81.2	47.5	72.8	52.1	
Replicate 4							
	83.9	70.4	84.3	61.2	74.8	64.2	
TABLE OF A (TIME OF DAY) MEANS							
1 7 AM							
	84.8 a	63.3 a	80.3 a	54.2 a	70.0 a	53.3 a	
2 12 PM							
	85.2 a	63.3 a	82.8 a	54.1 a	75.3 a	54.6 a	
3 5 PM							
	85.6 a	67.5 a	84.8 a	49.2 a	78.3 a	54.2 a	
4 10 PM							
	81.8 a	72.1 a	81.8 a	57.9 a	69.5 a	58.3 a	
LSD P=.10							
	2.97	10.20	4.63	11.12	8.68	11.70	
Standard Deviation							
	3.97	13.63	6.19	14.86	11.60	15.64	
CV							
	4.70	20.47	7.51	27.60	15.83	28.38	
TABLE OF B (TREATMENT) MEANS							
1 GRAMOXONE 2 SL 12.0 oz/a POST							
	99.0 a	85.0 a	97.4 a	78.1 a	93.6 a	67.8 b	
1 STORM 4 SL 16.0 oz/a POST							
1 DUAL MAGNUM 7.62 EC 16.0 oz/a POST							
2 CADRE 2 AS 4.0 oz/a POST							
	55.0 b	69.4 b	50.9 b	73.1 a	27.2 b	88.1 a	
2 DUAL MAGNUM 7.62 EC 16.0 oz/a POST							
2 2,4-DB 1.75 SL 18.0 oz/a POST							
3 COBRA 2 EC 12.5 oz/a POST							
	99.0 a	45.3 c	99.0 a	10.3 b	99.0 a	9.4 c	
3 DUAL MAGNUM 7.62 EC 16.0 oz/a POST							
3 2,4-DB 1.75 SL 18.0 oz/a POST							
LSD P=.10							
	1.81	5.50	2.54	13.38	6.00	11.30	
Standard Deviation							
	2.64	8.00	3.69	19.47	8.74	16.45	
CV							
	3.12	12.02	4.48	36.17	11.93	29.86	
TABLE OF A (TIME OF DAY) B (TREATMENT) MEANS							
1 7 AM							
	99.0 a	82.5 a	95.8 a	77.5 a	91.0 a	56.3 a	
1 GRAMOXONE 2 SL 12.0 oz/a POST							
1 STORM 4 SL 16.0 oz/a POST							
1 DUAL MAGNUM 7.62 EC 16.0 oz/a POST							
2 12 PM							
	99.0 a	88.8 a	95.8 a	84.8 a	90.8 a	75.0 a	
1 GRAMOXONE 2 SL 12.0 oz/a POST							
1 STORM 4 SL 16.0 oz/a POST							
1 DUAL MAGNUM 7.62 EC 16.0 oz/a POST							
3 5 PM							
	99.0 a	85.0 a	99.0 a	70.0 a	95.8 a	65.0 a	
1 GRAMOXONE 2 SL 12.0 oz/a POST							
1 STORM 4 SL 16.0 oz/a POST							
1 DUAL MAGNUM 7.62 EC 16.0 oz/a POST							
4 10 PM							
	99.0 a	83.8 a	99.0 a	80.0 a	97.0 a	75.0 a	
1 GRAMOXONE 2 SL 12.0 oz/a POST							
1 STORM 4 SL 16.0 oz/a POST							
1 DUAL MAGNUM 7.62 EC 16.0 oz/a POST							
1 7 AM							
	56.3 b	71.3 a	46.3 a	72.5 a	20.0 c	91.3 a	
2 CADRE 2 AS 4.0 oz/a POST							
2 DUAL MAGNUM 7.62 EC 16.0 oz/a POST							
2 2,4-DB 1.75 SL 18.0 oz/a POST							
2 12 PM							
	57.5 b	68.8 a	53.8 a	77.5 a	36.3 b	88.8 a	
2 CADRE 2 AS 4.0 oz/a POST							
2 DUAL MAGNUM 7.62 EC 16.0 oz/a POST							
2 2,4-DB 1.75 SL 18.0 oz/a POST							
3 5 PM							
	58.8 b	67.5 a	56.3 a	72.5 a	40.0 b	87.5 a	
2 CADRE 2 AS 4.0 oz/a POST							
2 DUAL MAGNUM 7.62 EC 16.0 oz/a POST							
2 2,4-DB 1.75 SL 18.0 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	AGRASS	AMAPA	A.GRASS	AMAPA	A.GRASS	
Crop Code						-----	-----	-----	-----	-----	-----	
Rating Data Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Unit						PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
Rating Date						May-22-17	May-22-17	May-30-17	May-30-17	Jun-7-17	Jun-7-17	
Tri-Eval Interval						7 DA-A	7 DA-A	15 DA-A	15 DA-A	23 DA-A	23 DA-A	
Tri No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit Stg	Appl Code	1	2	3	4	5	6
4	10 PM						47.5 c	70.0 a	47.5 a	70.0 a	12.5 c	85.0 a
2	CADRE	2	AS	4.0	oz/a	POST						
2	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST						
2	2,4-DB	1.75	SL	18.0	oz/a	POST						
1	7 AM						99.0 a	36.3 a	99.0 a	12.5 a	99.0 a	12.5 a
3	COBRA	2	EC	12.5	oz/a	POST						
3	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST						
3	2,4-DB	1.75	SL	18.0	oz/a	POST						
2	12 PM						99.0 a	32.5 a	99.0 a	0.0 a	99.0 a	0.0 a
3	COBRA	2	EC	12.5	oz/a	POST						
3	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST						
3	2,4-DB	1.75	SL	18.0	oz/a	POST						
3	5 PM						99.0 a	50.0 a	99.0 a	5.0 a	99.0 a	10.0 a
3	COBRA	2	EC	12.5	oz/a	POST						
3	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST						
3	2,4-DB	1.75	SL	18.0	oz/a	POST						
4	10 PM						99.0 a	62.5 a	99.0 a	23.8 a	99.0 a	15.0 a
3	COBRA	2	EC	12.5	oz/a	POST						
3	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST						
3	2,4-DB	1.75	SL	18.0	oz/a	POST						
LSD P=.10						4.86	14.48	7.64	13.91	11.04	17.22	
Standard Deviation						3.97	11.81	6.23	11.35	9.00	14.05	
CV						4.70	17.75	7.56	21.08	12.28	25.49	

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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COMPLETE FACTORIAL AOV For AMAPA ----- CONTROL PERCENT May-22-17 7 DA-A (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	21450.666667				
R	3	20.833333	6.944444	0.441	0.7264	
A	3	104.166667	34.722222	2.206	0.1569	3.0
RA	9	141.666667	15.740741			
B	2	20650.666667	10325.333333	1486.848	0.0001	1.8
RB	6	41.666667	6.944444			
AB	6	208.333333	34.722222	2.206	0.0904	4.9
RAB	18	283.333333	15.740741			

COMPLETE FACTORIAL AOV For AGRASS ----- CONTROL PERCENT May-22-17 7 DA-A (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	20007.812500				
R	3	276.562500	92.187500	0.661	0.5868	
A	3	626.562500	208.854167	1.125	0.3896	10.2
RA	9	1671.354167	185.706019			
B	2	12790.625000	6395.312500	99.829	0.0001	5.5
RB	6	384.375000	64.062500			
AB	6	1746.875000	291.145833	2.087	0.1059	14.5
RAB	18	2511.458333	139.525463			

COMPLETE FACTORIAL AOV For AMAPA ----- CONTROL PERCENT May-30-17 15 DA-A (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	25347.812500				
R	3	65.229167	21.743056	0.560	0.6482	
A	3	123.562500	41.187500	1.074	0.4077	4.6
RA	9	345.020833	38.335648			
B	2	23835.125000	11917.562500	875.130	0.0001	2.5
RB	6	81.708333	13.618056			
AB	6	198.375000	33.062500	0.852	0.5476	7.6
RAB	18	698.791667	38.821759			

COMPLETE FACTORIAL AOV For A.GRASS ----- CONTROL PERCENT May-30-17 15 DA-A (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	55220.666667				
R	3	1136.833333	378.944444	2.944	0.0609	
A	3	463.500000	154.500000	0.700	0.5753	11.1
RA	9	1986.333333	220.703704			
B	2	45652.541667	22826.270833	60.220	0.0001	13.4
RB	6	2274.291667	379.048611			
AB	6	1390.125000	231.687500	1.800	0.1558	13.9
RAB	18	2317.041667	128.724537			

COMPLETE FACTORIAL AOV For AMAPA ----- CONTROL PERCENT Jun-7-17 23 DA-A (Data Column 5)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	56629.479167				
R	3	123.562500	41.187500	0.508	0.6815	
A	3	647.562500	215.854167	1.604	0.2559	8.7
RA	9	1211.020833	134.557870			
B	2	51199.291667	25599.645833	335.092	0.0001	6.0
RB	6	458.375000	76.395833			
AB	6	1531.375000	255.229167	3.150	0.0272	11.0
RAB	18	1458.291667	81.016204			

COMPLETE FACTORIAL AOV For A.GRASS ----- CONTROL PERCENT Jun-7-17 23 DA-A (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	64174.479167				
R	3	1730.729167	576.909722	2.924	0.0620	
A	3	176.562500	58.854167	0.241	0.8658	11.7
RA	9	2200.520833	244.502315			
B	2	53488.541667	26744.270833	98.811	0.0001	11.3
RB	6	1623.958333	270.659722			
AB	6	1403.125000	233.854167	1.185	0.3575	17.2
RAB	18	3551.041667	197.280093			

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

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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TIME OF DAY EFFECTS ON PEANUT HERBICIDES NON-CROP-BAREGROUND Trial ID: PE-02-17 Study Dir.: WEN CARTER Location: PONDER Investigator: Eric P. Prostko											
Weed Code				AMAPA		AGRASS		AMAPA		A.GRASS	
Crop Code				-----		-----		-----		-----	
Rating Data Type				CONTROL		CONTROL		CONTROL		CONTROL	
Rating Unit				PERCENT		PERCENT		PERCENT		PERCENT	
Rating Date				May-22-17		May-22-17		May-30-17		May-30-17	
Trt-Eval Interval				7 DA-A		7 DA-A		15 DA-A		15 DA-A	
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3
1	7 AM						A	101	99.0	70.0	90.0
	GRAMOXONE	2	SL	12.0	oz/a	POST		205	99.0	85.0	99.0
	STORM	4	SL	16.0	oz/a	POST		310	99.0	85.0	95.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST		403	99.0	90.0	99.0
								Mean =	99.0	82.5	95.8
2	7 AM						A	102	65.0	75.0	50.0
	CADRE	2	AS	4.0	oz/a	POST		209	50.0	75.0	30.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST		307	60.0	60.0	55.0
	2,4-DB	1.75	SL	18.0	oz/a	POST		411	50.0	75.0	50.0
								Mean =	56.3	71.3	46.3
3	7 AM						A	103	99.0	40.0	99.0
	COBRA	2	EC	12.5	oz/a	POST		213	99.0	0.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST		309	99.0	40.0	99.0
	2,4-DB	1.75	SL	18.0	oz/a	POST		404	99.0	65.0	99.0
								Mean =	99.0	36.3	99.0
4	12 PM						B	104	99.0	85.0	95.0
	GRAMOXONE	2	SL	12.0	oz/a	POST		202	99.0	85.0	99.0
	STORM	4	SL	16.0	oz/a	POST		311	99.0	90.0	90.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST		402	99.0	95.0	99.0
								Mean =	99.0	88.8	95.8
5	12 PM						B	105	55.0	70.0	40.0
	CADRE	2	AS	4.0	oz/a	POST		203	50.0	75.0	55.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST		305	60.0	65.0	50.0
	2,4-DB	1.75	SL	18.0	oz/a	POST		413	65.0	65.0	70.0
								Mean =	57.5	68.8	53.8
6	12 PM						B	106	99.0	40.0	99.0
	COBRA	2	EC	12.5	oz/a	POST		212	99.0	30.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST		306	99.0	30.0	99.0
	2,4-DB	1.75	SL	18.0	oz/a	POST		407	99.0	30.0	99.0
								Mean =	99.0	32.5	99.0
7	5 PM						C	107	99.0	85.0	99.0
	GRAMOXONE	2	SL	12.0	oz/a	POST		211	99.0	85.0	99.0
	STORM	4	SL	16.0	oz/a	POST		304	99.0	85.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST		408	99.0	85.0	99.0
								Mean =	99.0	85.0	99.0
8	5 PM						C	108	65.0	70.0	65.0
	CADRE	2	AS	4.0	oz/a	POST		206	60.0	70.0	60.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST		303	60.0	65.0	50.0
	2,4-DB	1.75	SL	18.0	oz/a	POST		409	50.0	65.0	50.0
								Mean =	58.8	67.5	56.3
9	5 PM						C	109	99.0	40.0	99.0
	COBRA	2	EC	12.5	oz/a	POST		210	99.0	60.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST		313	99.0	70.0	99.0
	2,4-DB	1.75	SL	18.0	oz/a	POST		401	99.0	30.0	99.0
								Mean =	99.0	50.0	99.0
10	10 PM						D	110	99.0	85.0	99.0
	GRAMOXONE	2	SL	12.0	oz/a	POST		204	99.0	85.0	99.0
	STORM	4	SL	16.0	oz/a	POST		308	99.0	75.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST		406	99.0	90.0	99.0
								Mean =	99.0	83.8	99.0
11	10 PM						D	111	40.0	75.0	50.0
	CADRE	2	AS	4.0	oz/a	POST		207	50.0	65.0	50.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST		301	50.0	65.0	40.0
	2,4-DB	1.75	SL	18.0	oz/a	POST		410	50.0	75.0	50.0
								Mean =	47.5	70.0	47.5
12	10 PM						D	112	99.0	65.0	99.0
	COBRA	2	EC	12.5	oz/a	POST		208	99.0	65.0	99.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST		312	99.0	40.0	99.0
	2,4-DB	1.75	SL	18.0	oz/a	POST		405	99.0	80.0	99.0
								Mean =	99.0	62.5	99.0

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Weed Code	AMAPA	AGRASS	AMAPA	A.GRASS	AMAPA	A.GRASS
Crop Code	-----	-----	-----	-----	-----	-----
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	May-22-17	May-22-17	May-30-17	May-30-17	Jun-7-17	Jun-7-17
Trt-Eval Interval	7 DA-A	7 DA-A	15 DA-A	15 DA-A	23 DA-A	23 DA-A
Trt Treatment	Form Form	Rate Grow	Appl			
No. Name	Conc Type	Rate Unit Stg	Code Plot	1	2	3
13 NTC			113	0.0	0.0	0.0
			201	0.0	0.0	0.0
			302	0.0	0.0	0.0
			412	0.0	0.0	0.0
			Mean =	0.0	0.0	0.0

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