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INFLUENCE OF NOZZLE TYPE ON WEED CONTROL
 WITH POST PEANUT HERBICIDES - NON-CROP
 Trial ID: PE-25-15 Study Dir.: WEN CARTER
 Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 3 Plots: 6 by 25 feet
 Spray vol: 15 GAL/AC Mix Size: 1.5 liters (calculated mix size .58658)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	Amt Product to Measure	Rep 1	Rep 2	Rep 3
1	11002DG GRAMOXONE	2 SL		12.0 oz/a		POST	A	9.374 ml/mx	101	213	311
	STORM	4 SL		16.0 oz/a		POST	A	12.5 ml/mx			
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST	A	12.5 ml/mx			
2	11002DG CADRE	2 AS		4.0 oz/a		POST	A	3.125 ml/mx	102	206	303
	2,4-DB	1.75 SL		18.0 oz/a		POST	A	14.06 ml/mx			
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST	A	12.5 ml/mx			
3	11002DG COBRA	2 EC		12.5 oz/a		POST	A	9.765 ml/mx	103	208	301
	2,4-DB	1.75 SL		18.0 oz/a		POST	A	14.06 ml/mx			
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST	A	12.5 ml/mx			
4	11002DG ULTRA BLAZER	2 SL		24.0 oz/a		POST	A	18.75 ml/mx	104	201	312
	2,4-DB	1.75 SL		18.0 oz/a		POST	A	14.06 ml/mx			
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST	A	12.5 ml/mx			
5	TTI02 GRAMOXONE	2 SL		12.0 oz/a		POST	A	9.374 ml/mx	105	212	308
	STORM	4 SL		16.0 oz/a		POST	A	12.5 ml/mx			
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST	A	12.5 ml/mx			
6	TTI02 CADRE	2 AS		4.0 oz/a		POST	A	3.125 ml/mx	106	205	302
	2,4-DB	1.75 SL		18.0 oz/a		POST	A	14.06 ml/mx			
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST	A	12.5 ml/mx			
7	TTI02 COBRA	2 EC		12.5 oz/a		POST	A	9.765 ml/mx	107	203	304
	2,4-DB	1.75 SL		18.0 oz/a		POST	A	14.06 ml/mx			
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST	A	12.5 ml/mx			
8	TTI02 ULTRA BLAZER	2 SL		24.0 oz/a		POST	A	18.75 ml/mx	108	210	305
	2,4-DB	1.75 SL		18.0 oz/a		POST	A	14.06 ml/mx			
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST	A	12.5 ml/mx			
9	AIXR 11002 GRAMOXONE	2 SL		12.0 oz/a		POST	A	9.374 ml/mx	109	211	306
	STORM	4 SL		16.0 oz/a		POST	A	12.5 ml/mx			
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST	A	12.5 ml/mx			
10	AIXR 11002 CADRE	2 AS		4.0 oz/a		POST	A	3.125 ml/mx	110	204	313
	2,4-DB	1.75 SL		18.0 oz/a		POST	A	14.06 ml/mx			
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST	A	12.5 ml/mx			
11	AIXR 11002 COBRA	2 EC		12.5 oz/a		POST	A	9.765 ml/mx	111	207	310
	2,4-DB	1.75 SL		18.0 oz/a		POST	A	14.06 ml/mx			
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST	A	12.5 ml/mx			
12	AIXR 11002 ULTRA BLAZER	2 SL		24.0 oz/a		POST	A	18.75 ml/mx	112	209	307
	2,4-DB	1.75 SL		18.0 oz/a		POST	A	14.06 ml/mx			
	DUAL MAGNUM	7.62 EC		16.0 oz/a		POST	A	12.5 ml/mx			
13	NTC								113	202	309

Sort Order: Treatment

Trial Comments

SUMMARY:

1) THERE WAS NO INTERACTION BETWEEN NOZZLE TYPE AND HERBICIDE TREATMENT FOR ANY WEED RATING (P>0.10).

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2) FOR PALMER AMARANTH CONTROL AT 27 DAT, NOZZLE TYPE WAS NOT SIGNIFICANT ($P=0.7183$). WHEN AVERAGED OVER TREATMENT, THERE WAS NO DIFFERENCE IN CONTROL BETWEEN NOZZLE TYPES. WHEN AVERAGED OVER NOZZLE TYPE, GRAMOXONE + STORM + DUAL MAGNUM, COBRA + 2,4-DB + DUAL MAGNUM AND ULTRA BLAZER + 2,4-DB + DUAL MAGNUM PROVIDED BETTER CONTROL THAN CADRE + 2,4-DB + DUAL MAGNUM (ALS-RESISTANT POPULATION?).

3) FOR ANNUAL GRASS CONTROL AT 27 DAT SIMILAR OBSERVATIONS WERE MADE. NOZZLE TYPE HAD NO EFFECT ON CONTROL ($P=0.6024$) BUT TREATMENT DID. CADRE + 2,4-DB + DUAL MAGNUM PROVIDED BETTER CONTROL OF ANNUAL GRASS THAN GRAMOXONE, COBRA OR ULTRA BLAZER TREATMENTS.

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		WEED STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Weed 1	Stage: AMAPA 2-8"	_____	_____	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____
Weed 2	Stage: DEDTO 1-2"	_____	_____	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____
Weed 3	Stage: AGRASS 1-5"	_____	_____	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____
Weed 4	Stage: IPOSP 1-4"	_____	_____	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	_____	_____	_____	_____	_____	_____
Operating Pressure:	33	_____	_____	_____	_____	_____	_____
Nozzle Type:	VARIOUS	_____	_____	_____	_____	_____	_____
Nozzle Size:	_____	_____	_____	_____	_____	_____	_____
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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INFLUENCE OF NOZZLE TYPE ON WEED CONTROL WITH POST PEANUT HERBICIDES - NON-CROP											
Trial ID: PE-25-15		Study Dir.: WEN CARTER									
Location: PONDER FARM		Investigator: Eric P. Prostko									
Weed Code	Crop Code	AMAPA ----- CONTROL PERCENT	ANNUAL GRASS CONTROL PERCENT	IPOSP CONTROL PERCENT	DEDTO ----- CONTROL PERCENT	AMAPA ----- CONTROL PERCENT	ANNUAL GRASS CONTROL PERCENT	AMAPA ----- CONTROL PERCENT			
Rating Data Type	Rating Unit	Jun-18-15 7 DA-A	Jun-18-15 7 DA-A	Jun-18-15 7 DA-A	Jun-18-15 7 DA-A	Jun-24-15 13 DA-A	Jun-24-15 13 DA-A	Jul-8-15 27 DA-A			
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		85.8	58.3	92.1	98.7	78.1	50.8	64.3			
Replicate 2		86.2	53.2	80.8	99.0	77.7	32.9	71.0			
Replicate 3		89.0	43.3	72.0	99.0	89.4	26.3	81.8			
TABLE OF A (NOZZLE TYPE) MEANS											
1 11002DG		87.3 a	50.0 a	81.1 a	98.7 a	83.8 a	41.3 a	72.8 a			
2 TTI02		85.8 a	51.2 a	81.0 a	99.0 a	79.3 a	32.9 a	70.9 a			
3 AIXR 11002		87.9 a	53.6 a	82.8 a	99.0 a	82.0 a	35.8 a	73.3 a			
LSD P=.10		4.73	24.14	12.97	0.58	8.41	12.15	6.41			
Standard Deviation		5.44	27.74	14.91	0.67	9.66	13.96	7.37			
CV		6.25	53.77	18.26	0.67	11.83	38.06	10.18			
TABLE OF B (TREATMENT) MEANS											
1 GRAMOXONE 2 SL 12.0 oz/a POST A		94.1 a	65.6 ab	93.4 a	99.0 a	89.7 a	35.6 b	83.8 a			
1 STORM 4 SL 16.0 oz/a POST A											
1 DUAL MAGNUM 7.62 EC 16.0 oz/a POST A											
2 CADRE 2 AS 4.0 oz/a POST A		58.3 b	77.4 a	65.3 b	99.0 a	53.3 b	81.1 a	22.2 b			
2 2,4-DB 1.75 SL 18.0 oz/a POST A											
2 DUAL MAGNUM 7.62 EC 16.0 oz/a POST A											
3 COBRA 2 EC 12.5 oz/a POST A		98.6 a	20.6 c	82.7 a	99.0 a	95.2 a	3.3 c	97.1 a			
3 2,4-DB 1.75 SL 18.0 oz/a POST A											
3 DUAL MAGNUM 7.62 EC 16.0 oz/a POST A											
4 ULTRA BLAZER 2 SL 24.0 oz/a POST A		97.0 a	42.8 bc	85.0 a	98.6 a	88.7 a	26.7 b	86.3 a			
4 2,4-DB 1.75 SL 18.0 oz/a POST A											
4 DUAL MAGNUM 7.62 EC 16.0 oz/a POST A											
LSD P=.10		5.05	29.93	12.66	0.61	6.93	22.17	18.13			
Standard Deviation		5.51	32.68	13.83	0.67	7.57	24.20	19.80			
CV		6.34	63.34	16.94	0.67	9.26	66.01	27.36			
TABLE OF A (NOZZLE TYPE) B (TREATMENT) MEANS											
1 11002DG		97.7 a	65.0 a	97.7 a	99.0 a	93.0 a	36.7 a	85.0 a			
1 GRAMOXONE 2 SL 12.0 oz/a POST A											
1 STORM 4 SL 16.0 oz/a POST A											
1 DUAL MAGNUM 7.62 EC 16.0 oz/a POST A											
2 TTI02		94.7 a	65.0 a	94.7 a	99.0 a	93.0 a	33.3 a	86.3 a			
1 GRAMOXONE 2 SL 12.0 oz/a POST A											
1 STORM 4 SL 16.0 oz/a POST A											
1 DUAL MAGNUM 7.62 EC 16.0 oz/a POST A											
3 AIXR 11002		90.0 a	66.7 a	88.0 a	99.0 a	83.0 a	36.7 a	80.0 a			
1 GRAMOXONE 2 SL 12.0 oz/a POST A											
1 STORM 4 SL 16.0 oz/a POST A											
1 DUAL MAGNUM 7.62 EC 16.0 oz/a POST A											
1 11002DG		55.0 a	66.7 a	60.0 a	99.0 a	58.3 a	81.7 a	33.3 a			
2 CADRE 2 AS 4.0 oz/a POST A											
2 2,4-DB 1.75 SL 18.0 oz/a POST A											
2 DUAL MAGNUM 7.62 EC 16.0 oz/a POST A											
2 TTI02		55.0 a	76.3 a	66.3 a	99.0 a	51.7 a	78.3 a	16.7 a			
2 CADRE 2 AS 4.0 oz/a POST A											
2 2,4-DB 1.75 SL 18.0 oz/a POST A											
2 DUAL MAGNUM 7.62 EC 16.0 oz/a POST A											
3 AIXR 11002		65.0 a	89.3 a	69.7 a	99.0 a	50.0 a	83.3 a	16.7 a			
2 CADRE 2 AS 4.0 oz/a POST A											
2 2,4-DB 1.75 SL 18.0 oz/a POST A											
2 DUAL MAGNUM 7.62 EC 16.0 oz/a POST A											
1 11002DG		99.0 a	0.0 a	78.3 a	99.0 a	99.0 a	0.0 a	94.7 a			
3 COBRA 2 EC 12.5 oz/a POST A											
3 2,4-DB 1.75 SL 18.0 oz/a POST A											
3 DUAL MAGNUM 7.62 EC 16.0 oz/a POST A											

Means followed by same letter 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 Rating Data Type Rating Unit Rating Date Trt-Eval Interval							AMAPA ----- CONTROL PERCENT Jun-18-15 7 DA-A	ANNUAL GRASS CONTROL PERCENT Jun-18-15 7 DA-A	IPOSP CONTROL PERCENT Jun-18-15 7 DA-A	DEDTO ----- CONTROL PERCENT Jun-18-15 7 DA-A	AMAPA ----- CONTROL PERCENT Jun-24-15 13 DA-A	ANNUAL GRASS CONTROL PERCENT Jun-24-15 13 DA-A	AMAPA ----- CONTROL PERCENT Jul-8-15 27 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg Code	1	2	3	4	5	6	7
2	TTI02						99.0 a	28.3 a	81.3 a	99.0 a	87.7 a	0.0 a	99.0 a
3	COBRA	2	EC	12.5	oz/a	POST A							
3	2,4-DB	1.75	SL	18.0	oz/a	POST A							
3	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST A							
3	AIXR 11002						97.7 a	33.3 a	88.3 a	99.0 a	99.0 a	10.0 a	97.7 a
3	COBRA	2	EC	12.5	oz/a	POST A							
3	2,4-DB	1.75	SL	18.0	oz/a	POST A							
3	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST A							
1	11002DG						97.7 a	68.3 a	88.3 a	97.7 a	85.0 a	46.7 a	78.3 a
4	ULTRA BLAZER	2	SL	24.0	oz/a	POST A							
4	2,4-DB	1.75	SL	18.0	oz/a	POST A							
4	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST A							
2	TTI02						94.3 a	35.0 a	81.7 a	99.0 a	85.0 a	20.0 a	81.7 a
4	ULTRA BLAZER	2	SL	24.0	oz/a	POST A							
4	2,4-DB	1.75	SL	18.0	oz/a	POST A							
4	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST A							
3	AIXR 11002						99.0 a	25.0 a	85.0 a	99.0 a	96.0 a	13.3 a	99.0 a
4	ULTRA BLAZER	2	SL	24.0	oz/a	POST A							
4	2,4-DB	1.75	SL	18.0	oz/a	POST A							
4	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST A							
LSD P=.10							10.54	34.90	16.62	0.97	16.89	16.05	17.84
Standard Deviation							7.25	23.98	11.42	0.67	11.61	11.03	12.26
CV							8.33	46.49	13.99	0.67	14.20	30.08	16.94

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Weed Code						ANNUAL
Crop Code						GRASS
Rating Data Type						CONTROL
Rating Unit						PERCENT
Rating Date						Jul-8-15
Trt-Eval Interval						27 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg Code
						8
TABLE OF R MEANS						
	Replicate 1					37.8
	Replicate 2					31.2
	Replicate 3					18.8
TABLE OF A (NOZZLE TYPE) MEANS						
	1 11002DG					32.5 a
	2 TTI02					30.3 a
	3 AIXR 11002					24.9 a
	LSD P=.10					15.46
	Standard Deviation					17.76
	CV					60.79
TABLE OF B (TREATMENT) MEANS						
	1 GRAMOXONE	2	SL	12.0	oz/a	POST A 4.4 c
	1 STORM	4	SL	16.0	oz/a	POST A
	1 DUAL MAGNUM	7.62	EC	16.0	oz/a	POST A
	2 CADRE	2	AS	4.0	oz/a	POST A 85.2 a
	2 2,4-DB	1.75	SL	18.0	oz/a	POST A
	2 DUAL MAGNUM	7.62	EC	16.0	oz/a	POST A
	3 COBRA	2	EC	12.5	oz/a	POST A 0.0 c
	3 2,4-DB	1.75	SL	18.0	oz/a	POST A
	3 DUAL MAGNUM	7.62	EC	16.0	oz/a	POST A
	4 ULTRA BLAZER	2	SL	24.0	oz/a	POST A 27.2 b
	4 2,4-DB	1.75	SL	18.0	oz/a	POST A
	4 DUAL MAGNUM	7.62	EC	16.0	oz/a	POST A
	LSD P=.10					19.65
	Standard Deviation					21.45
	CV					73.39
TABLE OF A (NOZZLE TYPE) B (TREATMENT) MEANS						
	1 11002DG					0.0 a
	1 GRAMOXONE	2	SL	12.0	oz/a	POST A
	1 STORM	4	SL	16.0	oz/a	POST A
	1 DUAL MAGNUM	7.62	EC	16.0	oz/a	POST A
	2 TTI02					13.3 a
	1 GRAMOXONE	2	SL	12.0	oz/a	POST A
	1 STORM	4	SL	16.0	oz/a	POST A
	1 DUAL MAGNUM	7.62	EC	16.0	oz/a	POST A
	3 AIXR 11002					0.0 a
	1 GRAMOXONE	2	SL	12.0	oz/a	POST A
	1 STORM	4	SL	16.0	oz/a	POST A
	1 DUAL MAGNUM	7.62	EC	16.0	oz/a	POST A
	1 11002DG					83.3 a
	2 CADRE	2	AS	4.0	oz/a	POST A
	2 2,4-DB	1.75	SL	18.0	oz/a	POST A
	2 DUAL MAGNUM	7.62	EC	16.0	oz/a	POST A
	2 TTI02					86.0 a
	2 CADRE	2	AS	4.0	oz/a	POST A
	2 2,4-DB	1.75	SL	18.0	oz/a	POST A
	2 DUAL MAGNUM	7.62	EC	16.0	oz/a	POST A
	3 AIXR 11002					86.3 a
	2 CADRE	2	AS	4.0	oz/a	POST A
	2 2,4-DB	1.75	SL	18.0	oz/a	POST A
	2 DUAL MAGNUM	7.62	EC	16.0	oz/a	POST A
	1 11002DG					0.0 a
	3 COBRA	2	EC	12.5	oz/a	POST A
	3 2,4-DB	1.75	SL	18.0	oz/a	POST A
	3 DUAL MAGNUM	7.62	EC	16.0	oz/a	POST A

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Weed Code							ANNUAL
Crop Code							GRASS
Rating Data Type							CONTROL
Rating Unit							PERCENT
Rating Date							Jul-8-15
Trt-Eval Interval							27 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code
							8
2	TTI02						0.0 a
3	COBRA	2	EC	12.5	oz/a	POST A	
3	2,4-DB	1.75	SL	18.0	oz/a	POST A	
3	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST A	
3	AIXR 11002						0.0 a
3	COBRA	2	EC	12.5	oz/a	POST A	
3	2,4-DB	1.75	SL	18.0	oz/a	POST A	
3	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST A	
1	11002DG						46.7 a
4	ULTRA BLAZER	2	SL	24.0	oz/a	POST A	
4	2,4-DB	1.75	SL	18.0	oz/a	POST A	
4	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST A	
2	TTI02						21.7 a
4	ULTRA BLAZER	2	SL	24.0	oz/a	POST A	
4	2,4-DB	1.75	SL	18.0	oz/a	POST A	
4	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST A	
3	AIXR 11002						13.3 a
4	ULTRA BLAZER	2	SL	24.0	oz/a	POST A	
4	2,4-DB	1.75	SL	18.0	oz/a	POST A	
4	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST A	
LSD P=.10							22.75
Standard Deviation							15.63
CV							53.49

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COMPLETE FACTORIAL AOV For AMAPA ----- CONTROL PERCENT Jun-18-15 7 DA-A (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	11284.000000				
R	2	72.666667	36.333333	0.692	0.5195	
A	2	30.166667	15.083333	0.511	0.6346	4.7
RA	4	118.166667	29.541667			
B	3	9952.888889	3317.629630	109.106	0.0001	5.1
RB	6	182.444444	30.407407			
AB	6	297.611111	49.601852	0.945	0.4993	10.5
RAB	12	630.055556	52.504630			

COMPLETE FACTORIAL AOV For ANNUAL GRASS CONTROL PERCENT Jun-18-15 7 DA-A (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	40712.750000				
R	2	1380.166667	690.083333	1.200	0.3349	
A	2	80.166667	40.083333	0.052	0.9499	24.1
RA	4	3077.666667	769.416667			
B	3	17138.527778	5712.842593	5.351	0.0393	29.9
RB	6	6406.055556	1067.675926			
AB	6	5729.388889	954.898148	1.661	0.2140	34.9
RAB	12	6900.777778	575.064815			

COMPLETE FACTORIAL AOV For IPOSP CONTROL PERCENT Jun-18-15 7 DA-A (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	10308.555556				
R	2	2433.388889	1216.694444	9.329	0.0036	
A	2	23.388889	11.694444	0.053	0.9494	13.0
RA	4	888.777778	222.194444			
B	3	3758.333333	1252.777778	6.554	0.0254	12.7
RB	6	1146.833333	191.138889			
AB	6	492.833333	82.138889	0.630	0.7045	16.6
RAB	12	1565.000000	130.416667			

COMPLETE FACTORIAL AOV For DEDTO ----- CONTROL PERCENT Jun-18-15 7 DA-A (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	15.555556				
R	2	0.888889	0.444444	1.000	0.3966	
A	2	0.888889	0.444444	1.000	0.4444	0.6
RA	4	1.777778	0.444444			
B	3	1.333333	0.444444	1.000	0.4547	0.6
RB	6	2.666667	0.444444			
AB	6	2.666667	0.444444	1.000	0.4682	1.0
RAB	12	5.333333	0.444444			

COMPLETE FACTORIAL AOV For AMAPA ----- CONTROL PERCENT Jun-24-15 13 DA-A (Data Column 5)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	14111.222222				
R	2	1066.722222	533.361111	3.960	0.0478	
A	2	122.888889	61.444444	0.658	0.5662	8.4
RA	4	373.611111	93.402778			
B	3	9895.666667	3298.555556	57.617	0.0001	6.9
RB	6	343.500000	57.250000			
AB	6	692.666667	115.444444	0.857	0.5518	16.9
RAB	12	1616.166667	134.680556			

COMPLETE FACTORIAL AOV For ANNUAL GRASS CONTROL PERCENT Jun-24-15 13 DA-A (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	40450.000000				
R	2	3879.166667	1939.583333	15.945	0.0004	
A	2	429.166667	214.583333	1.102	0.4158	12.1
RA	4	779.166667	194.791667			
B	3	28688.888889	9562.962963	16.322	0.0027	22.2
RB	6	3515.277778	585.879630			
AB	6	1698.611111	283.101852	2.327	0.1004	16.1
RAB	12	1459.722222	121.643519			

COMPLETE FACTORIAL AOV For AMAPA ----- CONTROL PERCENT Jul-8-15 27 DA-A (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	38684.305556				
R	2	1853.388889	926.694444	6.166	0.0144	
A	2	39.055556	19.527778	0.360	0.7183	6.4
RA	4	217.111111	54.277778			
B	3	31068.305556	10356.101852	26.427	0.0007	18.1
RB	6	2351.277778	391.879630			
AB	6	1351.611111	225.268519	1.499	0.2590	17.8
RAB	12	1803.555556	150.296296			

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COMPLETE FACTORIAL AOV For ANNUAL GRASS CONTROL PERCENT Jul-8-15 27 DA-A (Data Column 8)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	52836.222222				
R	2	2234.055556	1117.027778	4.572	0.0334	
A	2	364.055556	182.027778	0.577	0.6024	15.5
RA	4	1262.111111	315.527778			
B	3	41470.888889	13823.629630	30.052	0.0005	19.6
RB	6	2759.944444	459.990741			
AB	6	1813.277778	302.212963	1.237	0.3538	22.7
RAB	12	2931.888889	244.324074			

Weed Code

AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.
 DEDTO = BEGGARWEED, FLORIDA / DESMODIUM TORTUOSUM (SWEET) DC.

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INFLUENCE OF NOZZLE TYPE ON WEED CONTROL
 WITH POST PEANUT HERBICIDES - NON-CROP
 Trial ID: PE-25-15 Study Dir.: WEN CARTER
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	AMAPA ----- CONTROL PERCENT Jun-18-15 7 DA-A	ANNUAL GRASS CONTROL PERCENT Jun-18-15 7 DA-A	IPOSP CONTROL PERCENT Jun-18-15 7 DA-A	DEDTO ----- CONTROL PERCENT Jun-18-15 7 DA-A	AMAPA ----- CONTROL PERCENT Jun-24-15 13 DA-A	ANNUAL GRASS CONTROL PERCENT Jun-24-15 13 DA-A
Trt Treatment	Form Form	Rate Grow	Appl			1	2	3	4	5	6
No. Name	Conc Type	Rate Unit	Stg	Code	Plot						
1 11002DG					101	99.0	50.0	99.0	99.0	90.0	40.0
GRAMOXONE	2 SL	12.0 oz/a	POST A		213	95.0	70.0	99.0	99.0	90.0	40.0
STORM	4 SL	16.0 oz/a	POST A		311	99.0	75.0	95.0	99.0	99.0	30.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST A								
					Mean =	97.7	65.0	97.7	99.0	93.0	36.7
2 11002DG					102	50.0	50.0	50.0	99.0	50.0	75.0
CADRE	2 AS	4.0 oz/a	POST A		206	60.0	90.0	80.0	99.0	60.0	95.0
2,4-DB	1.75 SL	18.0 oz/a	POST A		303	55.0	60.0	50.0	99.0	65.0	75.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST A								
					Mean =	55.0	66.7	60.0	99.0	58.3	81.7
3 11002DG					103	99.0	0.0	90.0	99.0	99.0	0.0
COBRA	2 EC	12.5 oz/a	POST A		208	99.0	0.0	75.0	99.0	99.0	0.0
2,4-DB	1.75 SL	18.0 oz/a	POST A		301	99.0	0.0	70.0	99.0	99.0	0.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST A								
					Mean =	99.0	0.0	78.3	99.0	99.0	0.0
4 11002DG					104	95.0	95.0	95.0	95.0	95.0	90.0
ULTRA BLAZER	2 SL	24.0 oz/a	POST A		201	99.0	90.0	95.0	99.0	65.0	50.0
2,4-DB	1.75 SL	18.0 oz/a	POST A		312	99.0	20.0	75.0	99.0	95.0	0.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST A								
					Mean =	97.7	68.3	88.3	97.7	85.0	46.7
5 TTI02					105	95.0	65.0	95.0	99.0	95.0	50.0
GRAMOXONE	2 SL	12.0 oz/a	POST A		212	90.0	65.0	90.0	99.0	85.0	30.0
STORM	4 SL	16.0 oz/a	POST A		308	99.0	65.0	99.0	99.0	99.0	20.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST A								
					Mean =	94.7	65.0	94.7	99.0	93.0	33.3
6 TTI02					106	50.0	50.0	99.0	99.0	50.0	80.0
CADRE	2 AS	4.0 oz/a	POST A		205	50.0	99.0	70.0	99.0	40.0	80.0
2,4-DB	1.75 SL	18.0 oz/a	POST A		302	65.0	80.0	30.0	99.0	65.0	75.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST A								
					Mean =	55.0	76.3	66.3	99.0	51.7	78.3
7 TTI02					107	99.0	0.0	99.0	99.0	99.0	0.0
COBRA	2 EC	12.5 oz/a	POST A		203	99.0	65.0	80.0	99.0	65.0	0.0
2,4-DB	1.75 SL	18.0 oz/a	POST A		304	99.0	20.0	65.0	99.0	99.0	0.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST A								
					Mean =	99.0	28.3	81.3	99.0	87.7	0.0
8 TTI02					108	85.0	85.0	90.0	99.0	65.0	60.0
ULTRA BLAZER	2 SL	24.0 oz/a	POST A		210	99.0	0.0	80.0	99.0	95.0	0.0
2,4-DB	1.75 SL	18.0 oz/a	POST A		305	99.0	20.0	75.0	99.0	95.0	0.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST A								
					Mean =	94.3	35.0	81.7	99.0	85.0	20.0
9 AIXR 11002					109	80.0	70.0	99.0	99.0	65.0	50.0
GRAMOXONE	2 SL	12.0 oz/a	POST A		211	95.0	60.0	80.0	99.0	85.0	20.0
STORM	4 SL	16.0 oz/a	POST A		306	95.0	70.0	85.0	99.0	99.0	40.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST A								
					Mean =	90.0	66.7	88.0	99.0	83.0	36.7
10 AIXR 11002					110	80.0	99.0	99.0	99.0	40.0	95.0
CADRE	2 AS	4.0 oz/a	POST A		204	50.0	99.0	60.0	99.0	50.0	80.0
2,4-DB	1.75 SL	18.0 oz/a	POST A		313	65.0	70.0	50.0	99.0	60.0	75.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST A								
					Mean =	65.0	89.3	69.7	99.0	50.0	83.3
11 AIXR 11002					111	99.0	80.0	95.0	99.0	99.0	30.0
COBRA	2 EC	12.5 oz/a	POST A		207	99.0	0.0	85.0	99.0	99.0	0.0
2,4-DB	1.75 SL	18.0 oz/a	POST A		310	95.0	20.0	85.0	99.0	99.0	0.0
DUAL MAGNUM	7.62 EC	16.0 oz/a	POST A								
					Mean =	97.7	33.3	88.3	99.0	99.0	10.0

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Weed Code Crop Code Rating Data Type Rating Unit Rating Date Trt-Eval Interval						AMAPA ----- CONTROL PERCENT Jun-18-15 7 DA-A	ANNUAL GRASS CONTROL PERCENT Jun-18-15 7 DA-A	IPOSP CONTROL PERCENT Jun-18-15 7 DA-A	DEDTO ----- CONTROL PERCENT Jun-18-15 7 DA-A	AMAPA ----- CONTROL PERCENT Jun-24-15 13 DA-A	ANNUAL GRASS CONTROL PERCENT Jun-24-15 13 DA-A			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	Plot	1	2	3	4	5	6
12	AIXR 11002							112	99.0	55.0	95.0	99.0	90.0	40.0
	ULTRA BLAZER	2	SL	24.0	oz/a	POST	A	209	99.0	0.0	75.0	99.0	99.0	0.0
	2,4-DB	1.75	SL	18.0	oz/a	POST	A	307	99.0	20.0	85.0	99.0	99.0	0.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST	A							
								Mean =	99.0	25.0	85.0	99.0	96.0	13.3
13	NTC							113	0.0	0.0	0.0	0.0	0.0	0.0
								202	0.0	0.0	0.0	0.0	0.0	0.0
								309	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	ANNUAL	
Crop Code						-----	GRASS	
Rating Data Type						CONTROL	CONTROL	
Rating Unit						PERCENT	PERCENT	
Rating Date						Jul-8-15	Jul-8-15	
Trt-Eval Interval						27 DA-A	27 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit Stg	Appl Code Plot	7	8
1	11002DG					101	85.0	0.0
	GRAMOXONE	2	SL	12.0	oz/a POST A	213	85.0	0.0
	STORM	4	SL	16.0	oz/a POST A	311	85.0	0.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a POST A			
						Mean =	85.0	0.0
2	11002DG					102	0.0	95.0
	CADRE	2	AS	4.0	oz/a POST A	206	50.0	95.0
	2,4-DB	1.75	SL	18.0	oz/a POST A	303	50.0	60.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a POST A			
						Mean =	33.3	83.3
3	11002DG					103	90.0	0.0
	COBRA	2	EC	12.5	oz/a POST A	208	95.0	0.0
	2,4-DB	1.75	SL	18.0	oz/a POST A	301	99.0	0.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a POST A			
						Mean =	94.7	0.0
4	11002DG					104	90.0	75.0
	ULTRA BLAZER	2	SL	24.0	oz/a POST A	201	65.0	65.0
	2,4-DB	1.75	SL	18.0	oz/a POST A	312	80.0	0.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a POST A			
						Mean =	78.3	46.7
5	TTI02					105	75.0	20.0
	GRAMOXONE	2	SL	12.0	oz/a POST A	212	85.0	0.0
	STORM	4	SL	16.0	oz/a POST A	308	99.0	20.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a POST A			
						Mean =	86.3	13.3
6	TTI02					106	0.0	99.0
	CADRE	2	AS	4.0	oz/a POST A	205	0.0	99.0
	2,4-DB	1.75	SL	18.0	oz/a POST A	302	50.0	60.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a POST A			
						Mean =	16.7	86.0
7	TTI02					107	99.0	0.0
	COBRA	2	EC	12.5	oz/a POST A	203	99.0	0.0
	2,4-DB	1.75	SL	18.0	oz/a POST A	304	99.0	0.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a POST A			
						Mean =	99.0	0.0
8	TTI02					108	65.0	65.0
	ULTRA BLAZER	2	SL	24.0	oz/a POST A	210	90.0	0.0
	2,4-DB	1.75	SL	18.0	oz/a POST A	305	90.0	0.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a POST A			
						Mean =	81.7	21.7
9	AIXR 11002					109	70.0	0.0
	GRAMOXONE	2	SL	12.0	oz/a POST A	211	85.0	0.0
	STORM	4	SL	16.0	oz/a POST A	306	85.0	0.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a POST A			
						Mean =	80.0	0.0
10	AIXR 11002					110	0.0	99.0
	CADRE	2	AS	4.0	oz/a POST A	204	0.0	95.0
	2,4-DB	1.75	SL	18.0	oz/a POST A	313	50.0	65.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a POST A			
						Mean =	16.7	86.3
11	AIXR 11002					111	99.0	0.0
	COBRA	2	EC	12.5	oz/a POST A	207	99.0	0.0
	2,4-DB	1.75	SL	18.0	oz/a POST A	310	95.0	0.0
	DUAL MAGNUM	7.62	EC	16.0	oz/a POST A			
						Mean =	97.7	0.0

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Weed Code						AMAPA	ANNUAL
Crop Code						-----	GRASS
Rating Data Type						CONTROL	CONTROL
Rating Unit						PERCENT	PERCENT
Rating Date						Jul-8-15	Jul-8-15
Trt-Eval Interval						27 DA-A	27 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code Plot
12	AIXR 11002						112
	ULTRA BLAZER	2 SL		24.0 oz/a	POST A		209
	2,4-DB	1.75 SL		18.0 oz/a	POST A		307
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST A		
							Mean =
							99.0
							13.3
13	NTC						113
							202
							309
							Mean =
							0.0
							0.0
							0.0
							0.0

University of Georgia

INFLUENCE OF NOZZLE TYPE ON WEED CONTROL
WITH POST PEANUT HERBICIDES - NON-CROP
Trial ID: PE-25-15 Study Dir.: WEN CARTER
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code

AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.
DEDTO = BEGGARWEED, FLORIDA / DESMODIUM TORTUOSUM (SWEET) DC.