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DELAYED PRE APPLICATIONS FOR SESAME WEED CONTROL			
Trial ID:	SESAME-01-17	Study Dir.:	JACK ROSE
Location:	PONDER FARM	Investigator:	Eric P. Prostko

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Appl Code	Amt Product to Measure	Rep		
							1	2	3
1	3 DAE DUAL MAGNUM	7.62	EC	10.72 oz/a	A	8.374 ml/mx	101	207	308
2	3 DAE DUAL MAGNUM	7.62	EC	21.0 oz/a	A	16.4 ml/mx	102	210	301
3	3 DAE DUAL MAGNUM	7.62	EC	42.0 oz/a	A	32.81 ml/mx	103	204	311
4	3 DAE WARRANT		CS	48.0 oz/a	A	37.5 ml/mx	104	203	309
5	3 DAE ZIDUA		WG	1.5 oz/a	A	1.123 g/mx	105	211	307
6	3 DAE NTC				A		106	212	310
7	6 DAE DUAL MAGNUM	7.62	EC	10.72 oz/a	B	8.374 ml/mx	107	209	312
8	6 DAE DUAL MAGNUM	7.62	EC	21.0 oz/a	B	16.4 ml/mx	108	206	305
9	6 DAE DUAL MAGNUM	7.62	EC	42.0 oz/a	B	32.81 ml/mx	109	208	304
10	6 DAE WARRANT		CS	48.0 oz/a	B	37.5 ml/mx	110	205	306
11	6 DAE ZIDUA		WG	1.5 oz/a	B	1.123 g/mx	111	202	303
12	6 DAE NTC				B		112	201	302

Sort Order: Treatment

	Trial Comments
<p>SESAME EMERGENCE OCCURRED ON MAY 13, 2017</p> <p><u>SUMMARY:</u></p> <p>1) FROM VISUAL RATINGS OBTAINED JUNE 1 (23 DAP):</p> <p><u>A) SESAME PLANT STUNTING:</u></p> <ul style="list-style-type: none"> - NO INTERACTION BETWEEN TIME OF APPLICATION AND HERBICIDE TREATMENT - WHEN AVERAGED OVER HERBICIDE TREATMENT, 6 DAE TIMING WAS LESS INJURIOUS THAN 3 DAE TIMING - WHEN AVERAGED OVER TIMING, DUAL AT 21 OZ/A AND 42 OZ/A WAS MORE INJURIOUS THAN WARRANT (48 OZ/A) OR ZIDUA (1.5 OZ/A) <p><u>B) PALMER AMARANTH CONTROL:</u></p> <ul style="list-style-type: none"> - SIGNIFICANT INTERACTION BETWEEN TIMING AND HERBICIDE TREATMENT - WHEN APPLIED 3 DAE, THE ONLY TREATMENTS THAT PROVIDED >80% CONTROL WERE DUAL MAGNUM @ 42 OZ/A (83%), AND WARRANT @ 48 OZ/A (82%). - ANY HERBICIDE APPLIED 6 DAE PROVIDED <34% CONTROL OF PALMER AMARANTH. <p>2) FOR SESAME PLANT HEIGHT COLLECTED ON JUNE 8 (30 DAP):</p> <ul style="list-style-type: none"> -NO INTERACTION BETWEEN TIMING AND HERBICIDE TREATMENT. - WHEN AVERAGED OVER ALL TREATMENTS, TIMING WAS NOT SIGNIFICANT (P=0.1813) -WHEN AVERAGED OVER TIMINGS, ALL HERBICIDES REDUCED SESAME PLANT HEIGHTS. 42 OZ/A OF DUAL MAGNUM CAUSED GREATER HEIGHT REDUCTIONS (60%) THAN ANY OTHER TREATMENT. <p>3) FROM VISUAL RATINGS OBTAINED JUNE 27 (49 DAP):</p> <p><u>A) SESAME PLANT STUNTING:</u></p>	

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- NO INTERACTION BETWEEN TIME OF APPLICATION AND HERBICIDE TREATMENT.
- WHEN AVERAGED OVER TREATMENT, TIMING WAS NOT SIGNIFICANT (P=0.7717).
- WHEN AVERAGED OVER TIMING, DUAL AT 42 OZ/A WAS MORE INJURIOUS THAN ALL OTHER TREATMENTS EXCEPT WARRANT (48 OZ/A)

B) PALMER AMARANTH CONTROL:

- NO INTERACTION BETWEEN TIMING AND TREATMENT.
- TIMING WAS NOT SIGNIFICANT (P=0.2876)
- AMAPA CONTROL WITH ALL TREATMENTS WAS POOR (<51%)
- DUAL MAGNUM @ 10.72 OZ/A PROVIDED THE LEAST AMOUNT OF CONTROL (10%).

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Trial ID: SESAME-01-17 Study Dir.: JACK ROSE
 Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: JACK ROSE **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.** _____

Crop 1: SESAM **SESAME** **Variety:** S40 **Planting Date:** Jun-9-17
Planting Method: MONSOEM **Rate:** 12 **SEED/FT** **Depth:** 0.5 IN
Perennial Age: _____ **Row Spacing:** 30 IN **Seed Bed:** _____
Soil Temperature: _____ **Soil Moisture:** OPTIMUM **Emergence Date:** _____

Plot Width, Unit: 6 FT **Plot Length, Unit:** 25 FT **Reps:** 3
Site Type: _____
Tillage Type: CONVENTIONAL **Study Design:** FACTOR
Trial Initiation Comments: _____

Previous: Crops	Pesticides	Year
1. PEANUT	2016	_____

MAINTENANCE

Field Prep./Maintenance: _____

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

SOIL DESCRIPTION

Texture: SAND **% OM:** 0.65 **% Sand:** 92 **% Silt:** 4 **% Clay:** 4
pH: 6.0 **CEC:** 4.1 **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-11-17	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
3. May-15-17	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
4. May-17-17	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
5. Jun-19-17	1:00 PM	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-16-17	May-19-17	_____	_____	_____	_____
Time of Day:	7:30 AM	7:00 AM	_____	_____	_____	_____
Application Method:	BROADCAST	BROADCAST	_____	_____	_____	_____
Application Timing:	3 DAE	6 DAE	_____	_____	_____	_____
Applic. Placement:	FOLIAGE	FOLIAGE	_____	_____	_____	_____
Air Temp., Unit:	67 F	68 F	_____	_____	_____	_____
% Relative Humidity:	90	95	_____	_____	_____	_____
Wind Velocity, Unit:	0 MPH	0 MPH	_____	_____	_____	_____
Dew Presence (Y/N):	Y	Y	_____	_____	_____	_____
Water Hardness:	---	---	_____	_____	_____	_____
Soil Temp., Unit:	74 F	73 F	_____	_____	_____	_____
Soil Moisture:	OPTIMUM	OPTIMUM	_____	_____	_____	_____
% Cloud Cover:	0	0	_____	_____	_____	_____

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Crop 1 Stage:	SESAM	1 LF	_____	_____	_____	_____
Stage Scale:	COTYLEDON	_____	_____	_____	_____	_____
Height, Unit:	0.25 IN	0.5 IN	_____	_____	_____	_____

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		WEED STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Weed 1	Stage: AMAPA 0.25"	0.5-1"	_____	_____	_____	_____	_____
Stage Scale:		_____	_____	_____	_____	_____	_____
Density, Unit:		_____	_____	_____	_____	_____	_____

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK SAME AS A	_____	_____	_____	_____	_____	_____
Operating Pressure:	38	_____	_____	_____	_____	_____	_____
Nozzle Type:	AIXR	_____	_____	_____	_____	_____	_____
Nozzle Size:	11002	_____	_____	_____	_____	_____	_____
Nozzle Spacing, Unit:	20	IN	_____	_____	_____	_____	_____
Nozzles/Row:	_____	_____	_____	_____	_____	_____	_____
Band Width, Unit:	_____	_____	_____	_____	_____	_____	_____
Boom Length, Unit:	60	IN	_____	_____	_____	_____	_____
Boom Height, Unit:	20	IN	_____	_____	_____	_____	_____
Ground Speed, Unit:	3.5	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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Trial ID: SESAME-01-17		Study Dir.: JACK ROSE																					
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.	----- SESAME PLANT - STUNTING	AMAPA ----- CONTROL	----- SESAME PLANT - STUNTING	AMAPA ----- CONTROL	----- SESAME PLANT - HGT-1	----- SESAME PLANT - HGT-2	----- SESAME PLANT - HGT-3	----- SESAME PLANT - HGT-4								
				PERCENT	May-23-17			PERCENT	May-23-17	PERCENT	Jun-1-17	PERCENT	Jun-1-17	INCHES	Jun-8-17	INCHES	Jun-8-17	INCHES	Jun-8-17	INCHES	Jun-8-17		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Appl Unit	Code			1	2	3	4	5	6	7	8							
TABLE OF R MEANS																							
Replicate 1										25.4	32.9	49.2	30.8	3.71	3.79	3.83	3.63						
Replicate 2										22.5	44.6	53.3	39.2	4.00	3.63	3.83	4.17						
Replicate 3										26.7	32.9	54.6	32.5	3.58	3.42	3.67	3.63						
TABLE OF A (TIMING) MEANS																							
1 3 DAE										37.2 a	56.7 a	55.8 a	50.8 a	3.36 a	3.28 b	3.47 a	3.53 a						
2 6 DAE										12.5 b	16.9 a	48.9 b	17.5 a	4.17 a	3.94 a	4.08 a	4.08 a						
LSD P=.10										16.76	42.27	2.15	41.96	1.435	0.372	0.858	1.144						
Standard Deviation										17.22	43.43	2.20	43.11	1.474	0.382	0.882	1.176						
CV										69.26	118.00	4.21	126.17	39.170	10.575	23.345	30.891						
TABLE OF B (HERBICIDE) MEANS																							
1 DUAL MAGNUM		7.62 EC	10.72 oz/a								21.7 c	15.8 b	55.0 d	0.0 b	3.92 b	3.83 b	3.33 c	3.50 bc					
2 DUAL MAGNUM		7.62 EC	21.0 oz/a								32.5 ab	41.7 a	65.8 b	40.0 a	3.00 bc	2.92 bc	2.92 cd	3.25 cd					
3 DUAL MAGNUM		7.62 EC	42.0 oz/a								37.5 a	59.2 a	71.7 a	58.3 a	2.58 c	2.08 c	2.00 d	2.33 d					
4 WARRANT		3 CS		48.0 oz/a								25.0 bc	50.8 a	60.8 c	51.7 a	3.75 bc	3.33 bc	3.33 c	3.00 cd				
5 ZIDUA		85 WG		1.5 oz/a								32.5 ab	53.3 a	60.8 c	55.0 a	4.08 ab	4.25 ab	4.67 b	4.42 b				
6 NTC												0.0 d	0.0 b	0.0 e	0.0 b	5.25 a	5.25 a	6.42 a	6.33 a				
LSD P=.10												9.05	19.93	4.86	21.82	1.267	1.333	1.132	1.142				
Standard Deviation												8.65	19.05	4.64	20.86	1.210	1.274	1.081	1.091				
CV												34.80	51.75	8.86	61.04	32.161	35.286	28.626	28.669				
TABLE OF A (TIMING) B (HERBICIDE) MEANS																							
1 3 DAE												33.3 c	31.7 a	56.7 a	0.0 c	3.50 cde	3.17 a	2.50 cde	3.33 a				
1 DUAL MAGNUM		7.62 EC	10.72 oz/a										10.0 f	0.0 a	53.3 a	0.0 c	4.33 bc	4.50 a	4.17 b	3.67 a			
2 6 DAE														46.7 ab	66.7 a	66.7 a	63.3 a	3.33 def	3.33 a	3.50 bc	3.33 a		
2 DUAL MAGNUM		7.62 EC	21.0 oz/a										18.3 de	16.7 a	65.0 a	16.7 bc	2.67 ef	2.50 a	2.33 cde	3.17 a			
3 DAE														51.7 a	81.7 a	76.7 a	83.3 a	2.67 ef	1.67 a	1.83 e	2.17 a		
3 DUAL MAGNUM		7.62 EC	42.0 oz/a										23.3 d	36.7 a	66.7 a	33.3 b	2.50 f	2.50 a	2.17 de	2.50 a			
4 DAE														40.0 bc	80.0 a	65.0 a	81.7 a	3.33 def	3.00 a	3.33 bcd	2.67 a		
4 WARRANT		3 CS		48.0 oz/a										10.0 f	21.7 a	56.7 a	21.7 bc	4.17 bcd	3.67 a	3.33 bcd	3.33 a		
5 DAE														51.7 a	80.0 a	70.0 a	76.7 a	3.17 ef	4.00 a	3.50 bc	4.00 a		
5 ZIDUA		85 WG		1.5 oz/a										13.3 ef	26.7 a	51.7 a	33.3 b	5.00 b	4.50 a	5.83 a	4.83 a		
6 DAE														0.0 g	0.0 a	0.0 a	0.0 c	4.17 bcd	4.50 a	6.17 a	5.67 a		
6 NTC														0.0 g	0.0 a	0.0 a	0.0 c	6.33 a	6.00 a	6.67 a	7.00 a		
LSD P=.10														7.62	26.59	8.09	24.32	0.982	1.464	1.284	1.363		
Standard Deviation														5.15	17.97	5.46	16.43	0.664	0.990	0.868	0.921		
CV														20.72	48.81	10.44	48.09	17.629	27.402	22.967	24.207		

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
Crop Code	SESAME	SESAME	SESAME	-----
Part Rated	PLANT -	PLANT -	PLANT -	
Rating Data Type	HGT-5	HGT-AVG	STUNTING	CONTROL
Rating Unit	INCHES	INCHES	PERCENT	PERCENT
Rating Date	Jun-8-17	Jun-8-17	Jun-27-17	Jun-27-17
PRM Data Type		T1		
# Subsamples, Dec.		- 1		
Trt Treatment	Form Form	Rate Appl		
No. Name	Conc Type Rate Unit Code			
		9	10	11
				12
TABLE OF R MEANS				
Replicate 1		3.67	3.7	16.7
Replicate 2		4.04	3.9	21.0
Replicate 3		4.08	3.7	21.9
TABLE OF A (TIMING) MEANS				
1 3 DAE		3.72 a	3.5 a	20.8 a
2 6 DAE		4.14 a	4.1 a	18.9 a
LSD P=.10		1.480	0.89	17.12
Standard Deviation		1.521	0.91	17.59
CV		38.689	24.07	88.56
TABLE OF B (HERBICIDE) MEANS				
1 DUAL MAGNUM 7.62 EC 10.72 oz/a		3.58 bc	3.6 bc	13.7 c
2 DUAL MAGNUM 7.62 EC 21.0 oz/a		3.33 bc	3.1 cd	23.8 bc
3 DUAL MAGNUM 7.62 EC 42.0 oz/a		2.75 c	2.4 d	35.0 a
4 WARRANT 3 CS 48.0 oz/a		3.50 bc	3.4 bc	26.7 ab
5 ZIDUA 85 WG 1.5 oz/a		4.00 b	4.3 b	20.0 bc
6 NTC		6.42 a	5.9 a	0.0 d
LSD P=.10		1.121	0.97	11.13
Standard Deviation		1.072	0.92	10.64
CV		27.267	24.47	53.58
TABLE OF A (TIMING) B (HERBICIDE) MEANS				
1 3 DAE		3.67 a	3.2 a	14.0 a
1 DUAL MAGNUM 7.62 EC 10.72 oz/a				13.3 a
2 6 DAE		3.50 a	4.0 a	13.3 a
1 DUAL MAGNUM 7.62 EC 10.72 oz/a				6.7 a
1 3 DAE		3.50 a	3.4 a	21.0 a
2 DUAL MAGNUM 7.62 EC 21.0 oz/a				46.7 a
2 6 DAE		3.17 a	2.8 a	26.7 a
2 DUAL MAGNUM 7.62 EC 21.0 oz/a				23.3 a
1 3 DAE		2.83 a	2.2 a	36.7 a
3 DUAL MAGNUM 7.62 EC 42.0 oz/a				70.0 a
2 6 DAE		2.67 a	2.5 a	33.3 a
3 DUAL MAGNUM 7.62 EC 42.0 oz/a				31.7 a
1 3 DAE		3.50 a	3.2 a	26.7 a
4 WARRANT 3 CS 48.0 oz/a				66.7 a
2 6 DAE		3.50 a	3.6 a	26.7 a
4 WARRANT 3 CS 48.0 oz/a				25.0 a
1 3 DAE		3.17 a	3.6 a	26.7 a
5 ZIDUA 85 WG 1.5 oz/a				63.3 a
2 6 DAE		4.83 a	5.0 a	13.3 a
5 ZIDUA 85 WG 1.5 oz/a				33.3 a
1 3 DAE		5.67 a	5.2 a	0.0 a
6 NTC				0.0 a
2 6 DAE		7.17 a	6.6 a	0.0 a
6 NTC				0.0 a
LSD P=.10		1.685	1.02	14.00
Standard Deviation		1.138	0.69	9.46
CV		28.961	18.28	47.65

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COMPLETE FACTORIAL AOV For ----- SESAME PLANT STUNTING PERCENT May-23-17 (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	13924.305556				
R	2	109.722222	54.861111	2.068	0.1772	
A	1	5500.694444	5500.694444	18.550	0.0499	16.8
RA	2	593.055556	296.527778			
B	5	5428.472222	1085.694444	14.503	0.0003	9.1
RB	10	748.611111	74.861111			
AB	5	1278.472222	255.694444	9.639	0.0014	7.6
RAB	10	265.277778	26.527778			

COMPLETE FACTORIAL AOV For AMAPA ----- CONTROL PERCENT May-23-17 (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	46107.638889				
R	2	1088.888889	544.444444	1.687	0.2338	
A	1	14200.694444	14200.694444	7.529	0.1111	42.3
RA	2	3772.222222	1886.111111			
B	5	16728.472222	3345.694444	9.222	0.0017	19.9
RB	10	3627.777778	362.777778			
AB	5	3461.805556	692.361111	2.145	0.1425	26.6
RAB	10	3227.777778	322.777778			

COMPLETE FACTORIAL AOV For ----- SESAME PLANT STUNTING PERCENT Jun-1-17 (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	22174.305556				
R	2	193.055556	96.527778	3.233	0.0826	
A	1	434.027778	434.027778	89.286	0.0110	2.1
RA	2	9.722222	4.861111			
B	5	20678.472222	4135.694444	192.110	0.0001	4.9
RB	10	215.277778	21.527778			
AB	5	345.138889	69.027778	2.312	0.1215	8.1
RAB	10	298.611111	29.861111			

COMPLETE FACTORIAL AOV For AMAPA ----- CONTROL PERCENT Jun-1-17 (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	48625.000000				
R	2	466.666667	233.333333	0.864	0.4506	
A	1	10000.000000	10000.000000	5.381	0.1462	42.0
RA	2	3716.666667	1858.333333			
B	5	22158.333333	4431.666667	10.188	0.0011	21.8
RB	10	4350.000000	435.000000			
AB	5	5233.333333	1046.666667	3.877	0.0325	24.3
RAB	10	2700.000000	270.000000			

COMPLETE FACTORIAL AOV For ----- SESAME PLANT HGT-1 INCHES Jun-8-17 (Data Column 5)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	65.243056				
R	2	1.097222	0.548611	1.246	0.3287	
A	1	5.840278	5.840278	2.687	0.2428	1.43
RA	2	4.347222	2.173611			
B	5	25.868056	5.173611	3.531	0.0424	1.27
RB	10	14.652778	1.465278			
AB	5	9.034722	1.806944	4.104	0.0275	0.98
RAB	10	4.402778	0.440278			

COMPLETE FACTORIAL AOV For ----- SESAME PLANT HGT-2 INCHES Jun-8-17 (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	72.555556				
R	2	0.847222	0.423611	0.433	0.6604	
A	1	4.000000	4.000000	27.429	0.0346	0.37
RA	2	0.291667	0.145833			
B	5	36.222222	7.244444	4.462	0.0213	1.33
RB	10	16.236111	1.623611			
AB	5	5.166667	1.033333	1.055	0.4385	1.46
RAB	10	9.791667	0.979167			

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COMPLETE FACTORIAL AOV For ----- SESAME PLANT HGT-3 INCHES Jun-8-17 (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	108.222222				
R	2	0.222222	0.111111	0.148	0.8646	
A	1	3.361111	3.361111	4.321	0.1732	0.86
RA	2	1.555556	0.777778			
B	5	72.305556	14.461111	12.366	0.0005	1.13
RB	10	11.694444	1.169444			
AB	5	11.555556	2.311111	3.070	0.0618	1.28
RAB	10	7.527778	0.752778			

COMPLETE FACTORIAL AOV For ----- SESAME PLANT HGT-4 INCHES Jun-8-17 (Data Column 8)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	90.138889				
R	2	2.347222	1.173611	1.383	0.2949	
A	1	2.777778	2.777778	2.010	0.2920	1.14
RA	2	2.763889	1.381944			
B	5	59.888889	11.977778	10.063	0.0012	1.14
RB	10	11.902778	1.190278			
AB	5	1.972222	0.394444	0.465	0.7942	1.36
RAB	10	8.486111	0.848611			

COMPLETE FACTORIAL AOV For ----- SESAME PLANT HGT-5 INCHES Jun-8-17 (Data Column 9)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	87.576389				
R	2	1.263889	0.631944	0.488	0.6279	
A	1	1.562500	1.562500	0.676	0.4975	1.48
RA	2	4.625000	2.312500			
B	5	49.451389	9.890278	8.611	0.0022	1.12
RB	10	11.486111	1.148611			
AB	5	6.229167	1.245833	0.961	0.4846	1.68
RAB	10	12.958333	1.295833			

COMPLETE FACTORIAL AOV For ----- SESAME PLANT HGT-AVG INCHES Jun-8-17 T1 1 (Data Column 10)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	68.962222				
R	2	0.450556	0.225278	0.472	0.6368	
A	1	3.361111	3.361111	4.064	0.1813	0.9
RA	2	1.653889	0.826944			
B	5	45.595556	9.119111	10.670	0.0009	1.0
RB	10	8.546111	0.854611			
AB	5	4.585556	0.917111	1.923	0.1772	1.0
RAB	10	4.769444	0.476944			

COMPLETE FACTORIAL AOV For ----- SESAME PLANT STUNTING PERCENT Jun-27-17 (Data Column 11)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	7512.305556				
R	2	188.722222	94.361111	1.054	0.3844	
A	1	34.027778	34.027778	0.110	0.7717	17.1
RA	2	618.722222	309.361111			
B	5	4344.805556	868.961111	7.674	0.0033	11.1
RB	10	1132.277778	113.227778			
AB	5	298.138889	59.627778	0.666	0.6581	14.0
RAB	10	895.611111	89.561111			

COMPLETE FACTORIAL AOV For AMAPA ----- CONTROL PERCENT Jun-27-17 (Data Column 12)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	35	31650.000000				
R	2	654.166667	327.083333	1.146	0.3564	
A	1	4900.000000	4900.000000	2.061	0.2876	47.5
RA	2	4754.166667	2377.083333			
B	5	13975.000000	2795.000000	11.789	0.0006	16.1
RB	10	2370.833333	237.083333			
AB	5	2141.666667	428.333333	1.501	0.2731	25.0
RAB	10	2854.166667	285.416667			

Weed Code
 AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.
Part Rated
 PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)
PRM Data Type
 T1 = ([5]+[6]+[7]+[8]+[9])/5

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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DELAYED PRE APPLICATIONS FOR SESAME WEED CONTROL

Trial ID: SESAME-01-17 Study Dir.: JACK ROSE
 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.						----- SESAME PLANT - STUNTING PERCENT May-23-17	AMAPA ----- CONTROL PERCENT May-23-17	----- SESAME PLANT - STUNTING PERCENT Jun-1-17	AMAPA ----- CONTROL PERCENT Jun-1-17	----- SESAME PLANT - HGT-1 INCHES Jun-8-17	----- SESAME PLANT - HGT-2 INCHES Jun-8-17	----- SESAME PLANT - HGT-3 INCHES Jun-8-17
Trt Treatment	Form	Form	Rate	Appl		1	2	3	4	5	6	7
No. Name	Conc	Type	Rate	Unit	Code Plot							
1 3 DAE DUAL MAGNUM	7.62 EC		10.72 oz/a	A	101 207 308 Mean =	50.0 20.0 30.0 33.3	65.0 30.0 0.0 31.7	50.0 60.0 60.0 56.7	0.0 0.0 0.0 0.0	4.00 3.00 3.50 3.50	4.50 3.00 2.00 3.17	2.50 2.00 3.00 2.50
2 3 DAE DUAL MAGNUM	7.62 EC		21.0 oz/a	A	102 210 301 Mean =	50.0 40.0 50.0 46.7	65.0 85.0 50.0 66.7	65.0 70.0 65.0 66.7	90.0 50.0 50.0 63.3	2.00 4.00 4.00 3.33	4.00 3.00 3.00 3.33	3.50 3.50 3.50 3.50
3 3 DAE DUAL MAGNUM	7.62 EC		42.0 oz/a	A	103 204 311 Mean =	55.0 50.0 50.0 51.7	85.0 95.0 65.0 81.7	70.0 80.0 80.0 76.7	90.0 95.0 65.0 83.3	1.50 3.00 3.50 2.67	2.00 1.00 2.00 1.67	2.00 1.00 2.50 1.83
4 3 DAE WARRANT		3 CS	48.0 oz/a	A	104 203 309 Mean =	50.0 40.0 30.0 40.0	90.0 85.0 65.0 80.0	60.0 70.0 65.0 65.0	100.0 95.0 50.0 81.7	3.00 3.00 4.00 3.33	3.00 3.00 3.00 3.00	3.50 3.00 3.50 3.33
5 3 DAE ZIDUA		85 WG	1.5 oz/a	A	105 211 307 Mean =	55.0 50.0 50.0 51.7	90.0 85.0 65.0 80.0	70.0 65.0 75.0 70.0	90.0 65.0 75.0 76.7	2.50 3.50 3.50 3.17	4.00 4.00 4.00 4.00	3.50 4.00 3.00 3.50
6 3 DAE NTC				A	106 212 310 Mean =	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	5.00 4.00 3.50 4.17	4.00 5.50 4.00 4.50	6.50 6.00 6.00 6.17
7 6 DAE DUAL MAGNUM	7.62 EC		10.72 oz/a	B	107 209 312 Mean =	10.0 0.0 20.0 10.0	0.0 0.0 0.0 0.0	60.0 50.0 50.0 53.3	0.0 0.0 0.0 0.0	5.00 4.50 3.50 4.33	6.00 4.50 3.00 4.50	5.00 4.50 3.00 4.17
8 6 DAE DUAL MAGNUM	7.62 EC		21.0 oz/a	B	108 206 305 Mean =	15.0 10.0 30.0 18.3	0.0 0.0 50.0 16.7	65.0 60.0 70.0 65.0	0.0 0.0 50.0 16.7	2.00 3.00 3.00 2.67	0.50 3.00 4.00 2.50	1.00 3.00 3.00 2.33
9 6 DAE DUAL MAGNUM	7.62 EC		42.0 oz/a	B	109 208 304 Mean =	10.0 30.0 30.0 23.3	0.0 60.0 50.0 36.7	60.0 70.0 70.0 66.7	0.0 50.0 50.0 33.3	2.50 2.00 3.00 2.50	2.00 1.50 4.00 2.50	2.00 1.00 3.50 2.17
10 6 DAE WARRANT		3 CS	48.0 oz/a	B	110 205 306 Mean =	0.0 20.0 10.0 10.0	0.0 65.0 0.0 21.7	50.0 60.0 60.0 56.7	0.0 65.0 0.0 21.7	5.00 3.50 4.00 4.17	3.00 4.00 4.00 3.67	4.00 3.00 3.00 3.33
11 6 DAE ZIDUA		85 WG	1.5 oz/a	B	111 202 303 Mean =	10.0 10.0 20.0 13.3	0.0 30.0 50.0 26.7	40.0 55.0 60.0 51.7	0.0 50.0 50.0 33.3	5.00 6.50 3.50 5.00	6.00 4.50 3.00 4.50	6.50 6.00 5.00 5.83
12 6 DAE NTC				B	112 201 302 Mean =	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	7.00 8.00 4.00 6.33	6.50 6.50 5.00 6.00	6.00 9.00 5.00 6.67

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.				----- SESAME PLANT - HGT-4 INCHES Jun-8-17	----- SESAME PLANT - HGT-5 INCHES Jun-8-17	----- SESAME PLANT - HGT-AVG INCHES Jun-8-17 T1 - 1	----- SESAME PLANT - STUNTING PERCENT Jun-27-17	AMAPA ----- CONTROL PERCENT Jun-27-17				
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Appl Unit	Code	Plot	8	9	10	11	12
1	3 DAE DUAL MAGNUM	7.62 EC		10.72 oz/a	A	101 207 308 Mean =		4.00 3.00 3.00 3.33	3.50 3.50 4.00 3.67	3.7 2.9 3.1 3.2	10.0 2.0 30.0 14.0	0.0 20.0 20.0 13.3
2	3 DAE DUAL MAGNUM	7.62 EC		21.0 oz/a	A	102 210 301 Mean =		3.00 4.00 3.00 3.33	3.50 3.50 3.50 3.50	3.2 3.6 3.4 3.4	30.0 30.0 3.0 21.0	70.0 40.0 30.0 46.7
3	3 DAE DUAL MAGNUM	7.62 EC		42.0 oz/a	A	103 204 311 Mean =		1.50 2.00 3.00 2.17	3.00 2.00 3.50 2.83	2.0 1.8 2.9 2.2	40.0 50.0 20.0 36.7	85.0 75.0 50.0 70.0
4	3 DAE WARRANT		3 CS	48.0 oz/a	A	104 203 309 Mean =		2.50 3.00 2.50 2.67	3.00 3.50 4.00 3.50	3.0 3.1 3.4 3.2	30.0 20.0 30.0 26.7	85.0 85.0 30.0 66.7
5	3 DAE ZIDUA		85 WG	1.5 oz/a	A	105 211 307 Mean =		3.50 4.50 4.00 4.00	2.50 3.00 4.00 3.17	3.2 3.8 3.7 3.6	30.0 20.0 30.0 26.7	80.0 60.0 50.0 63.3
6	3 DAE NTC				A	106 212 310 Mean =		6.50 4.50 6.00 5.67	5.00 5.00 7.00 5.67	5.4 5.0 5.3 5.2	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0
7	6 DAE DUAL MAGNUM	7.62 EC		10.72 oz/a	B	107 209 312 Mean =		4.50 3.50 3.00 3.67	4.00 3.00 3.50 3.50	4.9 4.0 3.2 4.0	10.0 10.0 20.0 13.3	0.0 0.0 20.0 6.7
8	6 DAE DUAL MAGNUM	7.62 EC		21.0 oz/a	B	108 206 305 Mean =		1.50 5.50 2.50 3.17	1.50 4.00 4.00 3.17	1.3 3.7 3.3 2.8	20.0 30.0 30.0 26.7	0.0 20.0 50.0 23.3
9	6 DAE DUAL MAGNUM	7.62 EC		42.0 oz/a	B	109 208 304 Mean =		2.00 2.00 3.50 2.50	3.50 2.00 2.50 2.67	2.4 1.7 3.3 2.5	20.0 40.0 40.0 33.3	0.0 40.0 55.0 31.7
10	6 DAE WARRANT		3 CS	48.0 oz/a	B	110 205 306 Mean =		4.00 3.00 3.00 3.33	3.50 3.00 4.00 3.50	3.9 3.3 3.6 3.6	10.0 40.0 30.0 26.7	0.0 55.0 20.0 25.0
11	6 DAE ZIDUA		85 WG	1.5 oz/a	B	111 202 303 Mean =		4.50 6.00 4.00 4.83	5.00 7.50 2.00 4.83	5.4 6.1 3.5 5.0	0.0 10.0 30.0 13.3	0.0 50.0 50.0 33.3
12	6 DAE NTC				B	112 201 302 Mean =		6.00 9.00 6.00 7.00	6.00 8.50 7.00 7.17	6.3 8.2 5.4 6.6	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0

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DELAYED PRE APPLICATIONS FOR SESAME WEED CONTROL

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Location: PONDER FARM Investigator: Eric P. Prostko

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