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Nutsedge and pepper response to various MIDAS mixtures.

Trial ID: Veg11-08

Study Dir.: Stanley Culpepper

Location: Ponder Farm 5159

Investigator: Stanley Culpepper

Reps: 4

Plots: 3 by 60 feet

Spray vol: 14.8 gal/ac

Mix size: 1 liters (min .92602)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate Unit	Grow Stg	Appl Code	Amt to Measure	Plot No. By Rep			
									1	2	3	4
1	MIDAS 50:50 @ 175 lb/A Blockade Mulch						A		101	206	304	406
2	MIDAS 50:50 @ 150 lb/A Blockade Mulch						A		102	210	302	404
3	MIDAS 98:2 @ 55 lb/A Blockade Mulch						A		103	207	309	403
4	MIDAS 98:2 @ 70 lb/A Blockade Mulch						A		104	201	307	410
5	MIDAS 98:2 @ 80 lb/A Blockade Mulch						A		105	209	306	409
6	MIDAS 98:2 @ 93 lb/A Blockade Mulch						A		106	205	301	408
7	3-WAY LDPE Mulch						A		107	203	310	402
8	MB 50:50 @ 210 lb/A Blockade Mulch						A		108	204	305	401
9	DMDS @ 50 GAL/A Blockade Mulch						A		109	208	303	405
10	Non-treated Blockade Mulch						A		110	202	308	407

Sort Order: Treatment

Product quantities required for listed treatments and applications in one trial:

Amount*	Unit	Treatment Name	Form Conc	Form Type	Lot Code
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* 'Per area' calculations based on spray volume= 14.8 gal/ac, mix size= 1 liters (mix size basis).

* Product amount calculations increased 25 % for overage adjustment.

Trial Comments

OBJECTIVE: Determine the most effective rate of MIDAS to use for the control of nutsedge in bell pepper.

Crop Response:

- Thirty days elapsed between fumigating and planting; thus, no injury was noted.

Nutsedge Visual Control:

- At 49 d after fumigating, all treatments except 98:2 MIDAS provided at least 90% control.
- By 83 d after fumigating, poor control was noted with MIDAS 98:2 at 55 lb; fair control was noted with MIDAS 98:2 at 70 or 80 lb, and the 3-WAY; good control was noted with MIDAS 50:50 at both rates, and MIDAS 98:2 at 93 lb; and excellent control was noted with MB and DMDS.

Pepper Heights:

- Forty plants per plot were measured and averaged with treatments having no impact on plant height at 5 to 6 weeks after planting.

Pepper Yield:

- Jumbo and X-Large pepper were picked by a migrant crew once a week for four weeks.
- At the first harvest, the trend was apparent for greatest yields to be noted in the non-treated control.
- No differences were noted in harvests 2, 3, or 4.

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4. When adding all harvests, no apparent differences or trends for differences were noted. Nutsedge emerged late in the crop and possibly because of the aggressive production practices nutsedge did not impact yield. It is extremely interesting that yields from the check were similar to plots without nutsedge which suggests if nutsedge emerges after pepper establishment yield will not be impacted if aggressive production practices are followed.

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Nutsedge and pepper response to various MIDAS mixtures.

Trial ID: Veg11-08

Study Dir.: Stanley Culpepper

Location: Ponder Farm 5159

Investigator: Stanley Culpepper

Weed Code	CPSAN	CPSAN	CYPRO	CYPRO	CYPRO	CYPRO	CYPRO	
Crop Code								
Part Rated								
Rating Data Type	injury	injury	control	control	control	#	#	
Rating Unit	%	%	%	%	%	per plot	per plot	
Rating Date	Apr-16-08	Apr-30-08	Apr-16-08	Apr-30-08	May-20-08	Apr-16-08	May-09-08	
Assessed By	SC	AD	SC	AD	SC			
Trt-Eval Interval	49 DA-A	63 DA-A	49 DA-A	63 DA-A	83 DA-A	49 DA-A	72 DA-A	
ARM Action Codes								
Trt Treatment	Rate							
No. Name	Rate Unit	1	2	3	4	5	7	8
1 MIDAS 50:50 @ 175 lb/A Blockade Mulch		0 a	0 a	96 a	96 a	90 ab	7 c	11 cd
2 MIDAS 50:50 @ 150 lb/A Blockade Mulch		0 a	0 a	95 a	92 a	87 abc	6 c	15 cd
3 MIDAS 98:2 @ 55 lb/A Blockade Mulch		0 a	5 a	66 b	56 b	46 d	53 b	104 b
4 MIDAS 98:2 @ 70 lb/A Blockade Mulch		0 a	0 a	92 a	91 a	78 c	9 c	30 cd
5 MIDAS 98:2 @ 80 lb/A Blockade Mulch		0 a	0 a	95 a	90 a	81 bc	7 c	21 cd
6 MIDAS 98:2 @ 93 lb/A Blockade Mulch		0 a	0 a	96 a	95 a	88 abc	5 c	13 cd
7 3-WAY LDPE Mulch		0 a	0 a	93 a	88 a	79 bc	13 c	37 c
8 MB 50:50 @ 210 lb/A Blockade Mulch		0 a	0 a	100 a	98 a	96 a	1 c	4 d
9 DMDS @ 50 GAL/A Blockade Mulch		0 a	0 a	100 a	98 a	97 a	1 c	4 d
10 Non-treated Blockade Mulch		0 a	0 a	0 c	0 c	0 e	484 a	390 a
LSD (P=.05)		0.0	4.6	14.8	12.6	10.4	14.9	24.2
Standard Deviation		0.0	3.2	10.2	8.7	7.2	10.3	16.7
CV		0.0	632.46	12.28	10.86	9.69	17.54	26.56
Bartlett's X2		0.0	0.0	67.8	49.032	39.568	36.762	42.493
P(Bartlett's X2)		.	.	0.001*	0.001*	0.001*	0.001*	0.001*

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

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Weed Code	plant 1 CPSAN	plant 2 CPSAN	plant 3 CPSAN	plant 4 CPSAN	plant 5 CPSAN	plant 6 CPSAN	plant 7 CPSAN	plant 8 CPSAN	
Crop Code	left	left	left	left	left	left	left	left	
Part Rated	ht	ht	ht	ht	ht	ht	ht	ht	
Rating Data Type	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Unit	Apr-16-08	Apr-16-08	Apr-16-08	Apr-16-08	Apr-16-08	Apr-16-08	Apr-16-08	Apr-16-08	
Rating Date	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	
Assessed By									
Trt-Eval Interval									
ARM Action Codes									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
		Unit	Unit	Unit	Unit	Unit	Unit	Unit	
		10	11	12	13	14	15	16	
		17							
1	MIDAS 50:50 @ 175 lb/A Blockade Mulch	21 ab	18 ab	19 a	18 a	19 a	20 ab	19 ab	17 a
2	MIDAS 50:50 @ 150 lb/A Blockade Mulch	18 b	19 ab	18 a	18 a	19 a	17 b	19 ab	18 a
3	MIDAS 98:2 @ 55 lb/A Blockade Mulch	19 b	20 ab	18 a	20 a	20 a	18 ab	18 ab	19 a
4	MIDAS 98:2 @ 70 lb/A Blockade Mulch	19 b	20 ab	20 a	21 a	20 a	18 ab	18 ab	19 a
5	MIDAS 98:2 @ 80 lb/A Blockade Mulch	18 b	17 b	18 a	17 a	16 a	18 ab	19 ab	18 a
6	MIDAS 98:2 @ 93 lb/A Blockade Mulch	20 ab	19 ab	18 a	19 a	19 a	20 a	20 a	19 a
7	3-WAY LDPE Mulch	18 b	21 ab	20 a	18 a	20 a	21 a	19 ab	19 a
8	MB 50:50 @ 210 lb/A Blockade Mulch	23 a	21 a	20 a	20 a	19 a	21 a	20 ab	20 a
9	DMDS @ 50 GAL/A Blockade Mulch	19 b	17 b	17 a	17 a	17 a	18 ab	16 b	18 a
10	Non-treated Blockade Mulch	18 b	20 ab	20 a	20 a	19 a	20 a	18 ab	17 a
LSD (P=.05)		2.8	3.3	2.7	4.0	4.4	3.1	3.4	2.8
Standard Deviation		1.9	2.3	1.9	2.7	3.0	2.1	2.3	1.9
CV		10.15	12.03	10.12	14.7	16.18	11.11	12.53	10.62
Bartlett's X2		10.172	6.073	3.103	4.949	6.925	9.816	7.422	3.161
P(Bartlett's X2)		0.337	0.733	0.96	0.839	0.645	0.366	0.593	0.958

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

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Weed Code	plant 9 CPSAN	plant 10 CPSAN	plant 11 CPSAN	plant 12 CPSAN	plant 13 CPSAN	plant 14 CPSAN	plant 15 CPSAN	plant 16 CPSAN			
Crop Code	left	left	left	left	left	left	left	left			
Part Rated	ht	ht	ht	ht	ht	ht	ht	ht			
Rating Data Type	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Unit	Apr-16-08	Apr-16-08	Apr-16-08	Apr-16-08	Apr-16-08	Apr-16-08	Apr-16-08	Apr-16-08			
Rating Date	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A			
Assessed By											
Trt-Eval Interval											
ARM Action Codes											
Trt No.	Treatment Name	Rate	Unit	18	19	20	21	22	23	24	25
1	MIDAS 50:50 @ 175 lb/A Blockade Mulch			17 a	20 ab	18 ab	17 abc	19 a	18 a	20 a	20 ab
2	MIDAS 50:50 @ 150 lb/A Blockade Mulch			18 a	19 ab	20 a	18 abc	17 a	18 a	20 a	18 b
3	MIDAS 98:2 @ 55 lb/A Blockade Mulch			20 a	19 ab	19 ab	18 abc	18 a	18 a	19 a	18 ab
4	MIDAS 98:2 @ 70 lb/A Blockade Mulch			20 a	20 ab	18 ab	19 abc	20 a	19 a	21 a	21 a
5	MIDAS 98:2 @ 80 lb/A Blockade Mulch			17 a	18 b	17 ab	17 bc	20 a	18 a	19 a	20 ab
6	MIDAS 98:2 @ 93 lb/A Blockade Mulch			18 a	17 b	19 ab	19 abc	19 a	18 a	20 a	20 ab
7	3-WAY LDPE Mulch			20 a	22 a	19 ab	20 a	19 a	20 a	20 a	20 ab
8	MB 50:50 @ 210 lb/A Blockade Mulch			19 a	20 ab	16 b	20 ab	20 a	21 a	20 a	20 ab
9	DMDS @ 50 GAL/A Blockade Mulch			18 a	19 ab	18 ab	18 abc	18 a	19 a	18 a	18 b
10	Non-treated Blockade Mulch			18 a	18 ab	18 ab	17 c	20 a	18 a	19 a	18 ab
LSD (P=.05)				3.1	3.1	3.1	2.6	2.8	3.2	3.3	2.3
Standard Deviation				2.1	2.1	2.1	1.8	1.9	2.2	2.2	1.6
CV				11.61	11.18	11.64	9.71	10.14	11.85	11.6	8.38
Bartlett's X2				8.628	4.449	3.114	4.994	6.404	8.492	12.764	11.06
P(Bartlett's X2)				0.472	0.879	0.96	0.835	0.699	0.485	0.174	0.272

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

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Weed Code	plant 17 CPSAN	plant 18 CPSAN	plant 19 CPSAN	plant 20 CPSAN	plant av CPSAN	plant 1 CPSAN	plant 2 CPSAN								
Crop Code	left	left	left	left	left	left	left								
Part Rated	ht	ht	ht	ht	ht	ht	ht								
Rating Data Type	cm	cm	cm	cm	cm	cm	cm								
Rating Unit	Apr-16-08	Apr-16-08	Apr-16-08	Apr-16-08	Apr-16-08	May-07-08	May-07-08								
Rating Date	Assessed By	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	70 DA-A								
Assessed By	Trt-Eval Interval	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	70 DA-A								
Trt-Eval Interval	ARM Action Codes	T2													
Trt No.	Treatment Name	Rate	Unit	26	27	28	29	30	31	32					
1	MIDAS 50:50 @ 175 lb/A Blockade Mulch	20	a	19	ab	19	a	20	a	19	ab	36	a	34	a
2	MIDAS 50:50 @ 150 lb/A Blockade Mulch	18	a	19	ab	19	a	18	a	18	ab	36	a	34	a
3	MIDAS 98:2 @ 55 lb/A Blockade Mulch	18	a	18	b	19	a	20	a	19	ab	38	a	38	a
4	MIDAS 98:2 @ 70 lb/A Blockade Mulch	21	a	21	a	21	a	20	a	20	a	37	a	36	a
5	MIDAS 98:2 @ 80 lb/A Blockade Mulch	18	a	21	a	19	a	20	a	18	ab	35	a	36	a
6	MIDAS 98:2 @ 93 lb/A Blockade Mulch	19	a	19	ab	20	a	19	a	19	ab	37	a	36	a
7	3-WAY LDPE Mulch	20	a	20	ab	19	a	21	a	20	a	34	a	37	a
8	MB 50:50 @ 210 lb/A Blockade Mulch	19	a	19	ab	19	a	20	a	20	a	32	a	35	a
9	DMDS @ 50 GAL/A Blockade Mulch	19	a	18	ab	18	a	18	a	18	b	36	a	36	a
10	Non-treated Blockade Mulch	19	a	20	ab	19	a	18	a	19	ab	38	a	34	a
LSD (P=.05)		3.6		2.4		2.9		2.9		1.6		5.6		4.2	
Standard Deviation		2.5		1.7		2.0		2.0		1.1		3.8		2.9	
CV		12.97		8.59		10.59		10.27		5.88		10.65		8.2	
Bartlett's X2		20.05		7.0		4.618		8.71		12.438		5.041		13.718	
P(Bartlett's X2)		0.018*		0.637		0.866		0.464		0.19		0.831		0.133	

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Column 28: T2 = @AVG([C10],[C29])

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Weed Code	plant 3	plant 4	plant 5	plant 6	plant 7	plant 8	plant 9	
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	
Part Rated	left	left	left	left	left	left	left	
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	
Rating Date	May-07-08	May-07-08	May-07-08	May-07-08	May-07-08	May-07-08	May-07-08	
Assessed By								
Trt-Eval Interval	70 DA-A	70 DA-A	70 DA-A	70 DA-A	70 DA-A	70 DA-A	70 DA-A	
ARM Action Codes								
Trt Treatment	Rate							
No. Name	Rate Unit	33	34	35	36	37	38	39
1 MIDAS 50:50 @ 175 lb/A Blockade Mulch		35 abc	34 a	35 bc	36 a	36 a	36 a	33 b
2 MIDAS 50:50 @ 150 lb/A Blockade Mulch		35 abc	36 a	37 bc	38 a	36 a	38 a	36 ab
3 MIDAS 98:2 @ 55 lb/A Blockade Mulch		37 abc	38 a	38 abc	35 a	38 a	36 a	35 ab
4 MIDAS 98:2 @ 70 lb/A Blockade Mulch		40 a	38 a	42 a	37 a	38 a	38 a	38 ab
5 MIDAS 98:2 @ 80 lb/A Blockade Mulch		36 abc	35 a	36 bc	39 a	37 a	37 a	37 ab
6 MIDAS 98:2 @ 93 lb/A Blockade Mulch		33 c	36 a	37 bc	38 a	39 a	36 a	38 ab
7 3-WAY LDPE Mulch		35 abc	38 a	36 bc	36 a	36 a	36 a	37 ab
8 MB 50:50 @ 210 lb/A Blockade Mulch		37 abc	38 a	39 ab	35 a	36 a	38 a	37 ab
9 DMDS @ 50 GAL/A Blockade Mulch		34 bc	35 a	33 c	34 a	38 a	36 a	36 ab
10 Non-treated Blockade Mulch		39 ab	36 a	37 abc	40 a	36 a	40 a	40 a
LSD (P=.05)		4.8	4.9	4.3	6.1	4.1	5.3	5.1
Standard Deviation		3.3	3.4	3.0	4.2	2.8	3.6	3.5
CV		9.23	9.35	8.11	11.44	7.56	9.8	9.61
Bartlett's X2		3.627	12.857	8.807	16.053	7.84	9.893	7.563
P(Bartlett's X2)		0.934	0.169	0.455	0.066	0.55	0.359	0.579

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

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Weed Code	plant 10	plant 11	plant 12	plant 13	plant 14	plant 15	plant 16			
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN			
Part Rated	left	right	right	right	right	right	right			
Rating Data Type	ht	ht	ht	ht	ht	ht	ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm			
Rating Date	May-07-08	May-07-08	May-07-08	May-07-08	May-07-08	May-07-08	May-07-08			
Assessed By										
Trt-Eval Interval	70 DA-A	70 DA-A	70 DA-A	70 DA-A	70 DA-A	70 DA-A	70 DA-A			
ARM Action Codes										
Trt No.	Treatment Name	Rate	Unit	40	41	42	43	44	45	46
1	MIDAS 50:50 @ 175 lb/A Blockade Mulch			36 a	39 a	38 ab	36 a	37 a	39 ab	38 ab
2	MIDAS 50:50 @ 150 lb/A Blockade Mulch			38 a	39 a	39 a	36 a	38 a	37 b	38 ab
3	MIDAS 98:2 @ 55 lb/A Blockade Mulch			39 a	35 ab	40 a	37 a	37 a	38 ab	34 ab
4	MIDAS 98:2 @ 70 lb/A Blockade Mulch			36 a	37 ab	39 a	38 a	35 a	37 b	36 ab
5	MIDAS 98:2 @ 80 lb/A Blockade Mulch			38 a	33 b	37 ab	37 a	35 a	37 b	34 ab
6	MIDAS 98:2 @ 93 lb/A Blockade Mulch			36 a	35 ab	33 b	34 a	34 a	37 b	37 ab
7	3-WAY LDPE Mulch			36 a	35 ab	39 a	36 a	36 a	39 ab	37 ab
8	MB 50:50 @ 210 lb/A Blockade Mulch			39 a	39 a	36 ab	37 a	36 a	37 b	32 b
9	DMDS @ 50 GAL/A Blockade Mulch			37 a	38 ab	37 ab	36 a	34 a	38 ab	37 ab
10	Non-treated Blockade Mulch			39 a	37 ab	39 a	39 a	39 a	44 a	41 a
LSD (P=.05)				4.8	4.7	5.2	4.6	6.8	4.9	7.2
Standard Deviation				3.3	3.2	3.6	3.2	4.7	3.3	5.0
CV				8.81	8.82	9.62	8.71	13.02	8.77	13.7
Bartlett's X2				9.812	8.853	13.383	6.072	8.674	6.397	14.111
P(Bartlett's X2)				0.366	0.451	0.146	0.733	0.468	0.70	0.118

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

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Weed Code	plant 17	plant 18	plant 19	plant 20	plant av	AVG40PLA	harv 1	
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	
Part Rated	right	right	right	right	right	both	fruit	
Rating Data Type	ht	ht	ht	ht	ht	ht	#	
Rating Unit	cm	cm	cm	cm	cm	cm	per plot	
Rating Date	May-07-08	May-07-08	May-07-08	May-07-08	May-07-08	May-07-08	Jun-02-08	
Assessed By								
Trt-Eval Interval	70 DA-A	70 DA-A	70 DA-A	70 DA-A	70 DA-A	70 DA-A	96 DA-A	
ARM Action Codes					T1	T5		
Trt Treatment	Rate							
No. Name	Rate Unit	47	48	49	50	51	52	54
1 MIDAS 50:50 @ 175 lb/A Blockade Mulch		34 a	35 a	34 c	36 ab	36 b	27 a	9 bc
2 MIDAS 50:50 @ 150 lb/A Blockade Mulch		37 a	37 a	37 bc	37 ab	37 ab	28 a	5 bc
3 MIDAS 98:2 @ 55 lb/A Blockade Mulch		37 a	35 a	39 ab	36 ab	37 ab	28 a	14 ab
4 MIDAS 98:2 @ 70 lb/A Blockade Mulch		38 a	35 a	38 abc	36 ab	37 ab	29 a	14 ab
5 MIDAS 98:2 @ 80 lb/A Blockade Mulch		35 a	35 a	36 bc	36 b	36 b	27 a	10 abc
6 MIDAS 98:2 @ 93 lb/A Blockade Mulch		38 a	35 a	36 bc	35 b	36 b	27 a	13 abc
7 3-WAY LDPE Mulch		36 a	37 a	38 abc	39 ab	37 ab	28 a	12 abc
8 MB 50:50 @ 210 lb/A Blockade Mulch		36 a	37 a	37 bc	35 b	36 b	28 a	3 c
9 DMDS @ 50 GAL/A Blockade Mulch		40 a	34 a	35 bc	38 ab	36 b	27 a	12 abc
10 Non-treated Blockade Mulch		38 a	38 a	42 a	41 a	39 a	29 a	19 a
LSD (P=.05)		5.5	5.5	4.5	4.4	2.2	1.8	8.8
Standard Deviation		3.8	3.8	3.1	3.0	1.5	1.2	6.1
CV		10.28	10.56	8.31	8.27	4.21	4.36	55.41
Bartlett's X2		8.052	10.178	15.555	6.585	7.257	11.205	16.379
P(Bartlett's X2)		0.529	0.336	0.077	0.68	0.61	0.262	0.059

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Column 49: T1 = @AVG([C31].[C50])

Column 50: T5 = ((C30)+[C51])/2

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Weed Code	harv 1	harv 2	harv 2	harv 3	harv 3	harv 4	harv 4	
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	
Part Rated	fruit	fruit	fruit	fruit	fruit	fruit	fruit	
Rating Data Type	lb	#	lb	#	lb	#	lb	
Rating Unit	per plot	per plot	per plot	per plot	per plot	per plot	per plot	
Rating Date	Jun-02-08	Jun-10-08	Jun-10-08	Jun-17-08	Jun-17-08	Jul-01-08	Jul-01-08	
Assessed By								
Trt-Eval Interval	96 DA-A	104 DA-A	104 DA-A	111 DA-A	111 DA-A	125 DA-A	125 DA-A	
ARM Action Codes								
Trt Treatment	Rate							
No. Name	Rate Unit	55	56	57	58	59	60	61
1 MIDAS 50:50 @ 175 lb/A Blockade Mulch		4 bc	156 a	58 a	187 a	64 a	47 a	14 a
2 MIDAS 50:50 @ 150 lb/A Blockade Mulch		2 c	143 a	54 a	216 a	76 a	56 a	17 a
3 MIDAS 98:2 @ 55 lb/A Blockade Mulch		6 ab	118 a	43 a	196 a	68 a	39 a	13 a
4 MIDAS 98:2 @ 70 lb/A Blockade Mulch		5 abc	180 a	65 a	183 a	64 a	42 a	13 a
5 MIDAS 98:2 @ 80 lb/A Blockade Mulch		4 bc	108 a	38 a	189 a	64 a	39 a	11 a
6 MIDAS 98:2 @ 93 lb/A Blockade Mulch		5 abc	169 a	61 a	191 a	67 a	37 a	11 a
7 3-WAY LDPE Mulch		5 abc	154 a	54 a	167 a	60 a	43 a	13 a
8 MB 50:50 @ 210 lb/A Blockade Mulch		1 c	172 a	62 a	179 a	62 a	55 a	16 a
9 DMDS @ 50 GAL/A Blockade Mulch		5 abc	160 a	57 a	180 a	61 a	51 a	15 a
10 Non-treated Blockade Mulch		8 a	105 a	39 a	179 a	60 a	38 a	12 a
LSD (P=.05)		3.4	72.8	25.9	94.7	31.6	20.1	6.8
Standard Deviation		2.4	50.2	17.9	65.2	21.8	13.8	4.7
CV		53.06	34.29	33.7	35.0	33.65	30.99	34.4
Bartlett's X2		16.216	15.311	16.961	20.187	22.433	11.218	11.589
P(Bartlett's X2)		0.062	0.083	0.049*	0.017*	0.008*	0.261	0.237

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

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Weed Code	harv1- 3	harv1- 3	harv1- 4	harv1- 4	
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	
Part Rated	fruit	fruit	fruit	fruit	
Rating Data Type	#	lb	#	lb	
Rating Unit	per plot	per plot	per plot	per plot	
Rating Date	Jun-17-08	Jun-17-08	Jul-01-08	Jul-01-08	
Assessed By					
Trt-Eval Interval	111 DA-A	111 DA-A	125 DA-A	125 DA-A	
ARM Action Codes	T3	T4	T6	T7	
Trt No.	Treatment Name	Rate	Rate	Rate	
		Unit	Unit	Unit	
64					
65					
66					
67					
1	MIDAS 50:50 @ 175 lb/A Blockade Mulch	351 a	126 a	398 a	140 a
2	MIDAS 50:50 @ 150 lb/A Blockade Mulch	363 a	131 a	419 a	148 a
3	MIDAS 98:2 @ 55 lb/A Blockade Mulch	328 a	117 a	367 a	129 a
4	MIDAS 98:2 @ 70 lb/A Blockade Mulch	376 a	134 a	418 a	147 a
5	MIDAS 98:2 @ 80 lb/A Blockade Mulch	306 a	106 a	346 a	118 a
6	MIDAS 98:2 @ 93 lb/A Blockade Mulch	373 a	133 a	410 a	144 a
7	3-WAY LDPE Mulch	332 a	119 a	374 a	132 a
8	MB 50:50 @ 210 lb/A Blockade Mulch	354 a	126 a	409 a	142 a
9	DMDS @ 50 GAL/A Blockade Mulch	352 a	123 a	403 a	138 a
10	Non-treated Blockade Mulch	303 a	107 a	342 a	119 a
LSD (P=.05)		142.0	48.7	148.0	50.7
Standard Deviation		97.8	33.6	102.0	34.9
CV		28.47	27.47	26.27	25.74
Bartlett's X2		15.929	19.66	15.338	17.45
P(Bartlett's X2)		0.068	0.02*	0.082	0.042*

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Column 59: T3 = ([C54]+[C56]+[C58])

Column 60: T4 = ([C55]+[C57]+[C59])

Column 61: T6 = [60]+[64]

Column 62: T7 = [61]+[65]

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

SOIL DESCRIPTION

% Sand: 94 % OM: 1.3 Texture: sandy loam
 % Silt: 2 pH: 6.4 Soil Name: Tifton sandy loam
 % Clay: 4 CEC: _____ Fert. Level: _____

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

No.	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

Overall Moisture Conditions: _____

Closest Weather Station: _____ Distance: _____ Unit: _____

APPLICATION DESCRIPTION

	A
Application Date:	Feb-27-08
Time of Day:	2 pm
Application Method:	banded
Application Timing:	preplant
Applic. Placement:	in bed
Air Temp., Unit:	65 F
% Relative Humidity:	60
Wind Velocity, Unit:	5 mph
Dew Presence (Y/N):	n
Water Hardness:	
Soil Temp., Unit:	70 F
Soil Moisture:	moist
% Cloud Cover:	25

CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	CPSAN A
Stage Scale:	preplant
Height, Unit:	0 inch

WEED STAGE AT EACH APPLICATION

	A
Weed 1 Code, Stage:	CYPRO A
Stage Scale:	preplant
Density, Unit:	

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APPLICATION EQUIPMENT

	A
Appl. Equipment:	super bed
Operating Pressure:	
Nozzle Type:	shank
Nozzle Size:	inject
Nozzle Spacing, Unit:	11 in
Nozzles/Row:	3
Band Width, Unit:	32 in
Boom Length, Unit:	
Boom Height, Unit:	
Ground Speed, Unit:	3 mph
Incorporation Equip.:	
Hours to Incorp.:	
Incorp. Depth, Unit:	
Carrier:	water
Spray Volume, Unit:	
Spray pH:	
Propellant:	N
Tank Mix (Y/N):	

Trt No	Treatment Application Comment