			j		J				
Nutse	edge and eg	gplant res	ponse	to MIDAS a	applied unde	er VI	F mul	ch.	
Trial ID: Veg33-07		Prot	ocol I	D:					
Location: Ponder Farm	ı	Study D	irecto	r: Stanley	Culpepper				
		Inves	tigato	r: Stanley	Culpepper				
	6 by 50 feet								
	Mix size: 2 lite								
Trt Treatment	Form Form				Amt Product		-		
No. Name	Conc Unit	Type Rate	Unit S		to Measure	1	2	3	
1 MIDAS 150 broadcast Blocade Mulch				A A		101	205	301	
2 MIDAS 162.5 broadcast				A		102	201	305	
Blocade Mulch				A		102	201	305	
3 MIDAS 175 lb/A broadcas	•			A		103	202	303	
Blocade Mulch				A		100	202	000	
4 MB 50:50 240 lb/A broadd	:			А		104	203	302	
Blocade Mulch				А					
5 No Fumigant				А		105	204	304	
Blocade Mulch				А					
Amount* Unit Treatment Nam * 'Per area' calculations based * Product amount calculations	on spray volu	me= 14.8 ga	l/ac, mix je adjus	size= 2 liter tment.	s (mix size ba	sis).			
			I rial C	omments					
OBJECTIVE: Compare various rat	es of MIDAS and	d MB for the c	ontrol of	nutsedge and	eggplant produc	ction.			
VISUAL NUTSEDGE CONTROL: 1. Early season MIDAS at 150 an 2. At the first harvest MB at 240					or MB.				
NUTSEDGE COUNTS: 1. Nutsedge penetrating the mulc 2. MIDAS at 150 lb was less effe 3. In late August MB had 41 plant	ctive than other	treatments.			-	seaso	n.		
EGGPLANT INJURY AND HEIGHTS 1. Eggplant was not injured by fu 2. Plant heights were not impacted	migant treatmen	t.							
EGGPLANT YIELD:									

1. Eggplant was harvested 8 times.

2. When adding yield over all harvest: lowest yields were noted in the nontreated control followed most closely by MIDAS at 150 lb/A. No differences or trends for differences were noted with MB and MIDAS at 163 or 175.

CONCLUSIONS:

1. In heavy infestations of nutsedge, MIDAS should be applied at rates above 175 lb/A.

2. MB 50:50 does not provide adequate control of heavy nutsedge infestations. MB should be applied as a 67:43 formulation.

GENERAL COMMENTS:

1. Fumigants were applied, beds were formed and mulch was laid. MIDAS and MB were applied with the super bedder plastic layer injected 8 inches deep with 3 knives on a 32 inch bedtop.

	Trial ID: Veg33-07 Location: Ponder Farm		Study	tocol ID: Director:	Stanley				
Dee	t Cada		Inve	stigator:				CYPRO	CYPRO
	t Code		SOLME	SOLME	CYPRO	CYPRO	CYPRO	CIPRO	CIPRO
	p Code CH Scale		BVSO	BVSO					
	ing Date			Sep-07-07		Aug_10_07	Aug-23-07	Sep-07-07	Oct_01_07
	ing Data Type		injury	injury	•	U U	U U	•	
	ing Unit		%	% %	% 011101	0011101 %	% 00000	% 00000	
	essed By		SC	SC		SC	SC		, -
	s After First/Last Applic.		37	52			37		
-	Eval Interval		37 DA-A	37 DA-A					-
ARN	Action Codes			•••					
Trt	Treatment	Rate							
No.	Name	Rate Unit	1	2	3	4	5	6	7
1	MIDAS 150 broadcast		0 a	0 a	83 b	68 c	67 c	53 b	40 d
	Blocade Mulch								
2	MIDAS 162.5 broadcast		0 a	0 a	93 a	83 b	83 b	73 a	50 c
-	Blocade Mulch		υu	0 4	00 4	00 5	00 5	, o u	00 0
3	MIDAS 175 lb/A broadcast		0 a	0 a	97 a	93 a	88 ab	78 a	73 b
0	Blocade Mulch		υu	0 4	57 u	50 u	00 00	70 0	10.0
1	MB 50:50 240 lb/A broadc		0 a	0 a	97 a	95 a	92 a	82 a	77 a
4	Blocade Mulch		0 a	0 a	51 a	55 a	52 a	02 a	77 a
F			0 a	0 a	0 c	0 d	0 d	0 c	0 e
Э	No Fumigant Blocade Mulch		0 a	0 a	00	0 0	0 0	0.0	0 e
	0 (P=.05)		0.0	0.0	-	9.0	8.5	10.4	
	ndard Deviation		0.0	0.0		4.8	4.5	5.5	1.3
CV			0.0	0.0					
	lett's X2		0.0	0.0			0.636		-
P(B	artlett's X2)				0.30	0.724	0.888	0.689	0.49

Nutsedge and eggplant response to MIDAS applied under VIF mulch.

Crop Code BBCH ScaleAug-03-07 Aug-03-07Aug-13-07 HAug-28-07 HSOLME BVSO BVSO Sep-11-07 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th><u> </u></th> <th></th> <th></th> <th></th>							<u> </u>			
BBCH Scale Rating Date Rating Data TypeAug-03-07 (Mug-13-07)Aug-13-07 				CYPRO	CYPRO	CYPRO				plant 4
Rating Date Aug-03-07 Aug-13-07 Aug-28-07 Sep-11-07 Sep-11-07 <td>Cro</td> <td>p Code</td> <td></td> <td></td> <td></td> <td></td> <td>SOLME</td> <td>SOLME</td> <td>SOLME</td> <td>SOLME</td>	Cro	p Code					SOLME	SOLME	SOLME	SOLME
Rating Data Type#####hthththtRating Unit Assessed By Days After First/Last Applic.17274256565656Days After First/Last Applic.1727425656565656Trt-Eval Interval ARM Action Codes76 DA-A17 DA-A27 DA-A56 DA-A50 DA50 DA <t< td=""><td>BBC</td><td>CH Scale</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>BVSO</td></t<>	BBC	CH Scale								BVSO
Rating Unit Assessed By Days After First/Last Applic.per plot 17per plot 17per plot 27per plot 42cm <td>Rati</td> <td>ng Date</td> <td></td> <td>Aug-03-07</td> <td>Aug-13-07</td> <td>Aug-28-07</td> <td>Sep-11-07</td> <td>Sep-11-07</td> <td>Sep-11-07</td> <td>Sep-11-07</td>	Rati	ng Date		Aug-03-07	Aug-13-07	Aug-28-07	Sep-11-07	Sep-11-07	Sep-11-07	Sep-11-07
Assessed By Days After First/Last Applic. 17 27 42 56 <td< td=""><td>Rati</td><td>ng Data Type</td><td></td><td>#</td><td>#</td><td>#</td><td>ht</td><td>ht</td><td>ht</td><td>ht</td></td<>	Rati	ng Data Type		#	#	#	ht	ht	ht	ht
Days After First/Last Applic. 17 27 42 56 52 56 52 56 ab 52 52 56 ab	Rat	ng Unit		per plot	per plot	per plot	cm	cm	cm	cm
Trt-Eval Interval ARM Action Codes 76 DA-A 17 DA-A 27 DA-A 56 DA 56 DA 56 DA 1 MIDAS 150 broadcast 30 b 80 b 304 b 304 b 53 a 54 a 53 ab 47 3 MIDAS 175 Ib/A broadcast 3 b 15 c 63 c 53 a 45 b 56 ab 52 4 MB 50:50 240 Ib/A broadc 2 b 6 c 41 c 51 a	Ass	essed By								
ARM Action Codes Image: Constraint of the second secon	Day	s After First/Last Applic.		17	27	42	56	56	56	56
Trt Treatment Rate Name Rate No. Name Rate Unit 8 9 10 11 12 13 14 1 MIDAS 150 broadcast 30 b 80 b 304 b 53 a 54 a 61 a 59 2 MIDAS 162.5 broadcast 6 b 23 c 112 c 45 a 54 a 53 ab 47 3 MIDAS 175 lb/A broadcast 3 b 15 c 63 c 53 a 45 b 56 ab 52 Blocade Mulch 2 b 6 c 41 c 51 a 48 ab 48 ab 52 4 MB 50:50 240 lb/A broadc 2 b 6 c 41 c 51 a 48 ab 48 ab 52 5 No Fumigant 302 a 283 a 663 a 50 a 52 ab 44 b 53 Blocade Mulch 302 a 283 a 663 a 50 a 52 ab 44 b 53 5 No Fumigant 302 a 283 a 663 a 50 a 52 ab 44 b 53 Blocade Mulch 50 66.4 </td <td>Trt-I</td> <td>Eval Interval</td> <td></td> <td>76 DA-A</td> <td>17 DA-A</td> <td>27 DA-A</td> <td>56 DA-A</td> <td>56 DA-A</td> <td>56 DA-A</td> <td>56 DA-A</td>	Trt-I	Eval Interval		76 DA-A	17 DA-A	27 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A
No. Name Rate Unit 8 9 10 11 12 13 14 1 MIDAS 150 broadcast Blocade Mulch 30 b 80 b 304 b 53 a 54 a 61 a 59 2 MIDAS 162.5 broadcast Blocade Mulch 6 b 23 c 112 c 45 a 54 a 53 ab 47 3 MIDAS 175 lb/A broadcast Blocade Mulch 3 b 15 c 63 c 53 a 45 b 56 ab 52 4 MB 50:50 240 lb/A broadc 2 b 6 c 41 c 51 a 48 ab 48 ab 52 5 No Fumigant Blocade Mulch 302 a 283 a 663 a 50 a 52 ab 44 b 53 5 No Fumigant Blocade Mulch 66.4 45.6 176.1 16.8 7.4 13.3 18	ARM	A Action Codes								
1 MIDAS 150 broadcast Blocade Mulch 30 b 80 b 304 b 53 a 54 a 61 a 59 2 MIDAS 162.5 broadcast Blocade Mulch 6 b 23 c 112 c 45 a 54 a 53 ab 47 3 MIDAS 175 lb/A broadcast Blocade Mulch 3 b 15 c 63 c 53 a 45 b 56 ab 52 4 MB 50:50 240 lb/A broadc 2 b 6 c 41 c 51 a 48 ab 48 ab 52 5 No Fumigant Blocade Mulch 302 a 283 a 663 a 50 a 52 ab 44 b 53 LSD (P=.05) 66.4 45.6 176.1 16.8 7.4 13.3 18	Trt	Treatment	Rate							
Blocade Mulch Blocade	No.	Name	Rate Unit	8	9	10	11	12	13	14
2 MIDAS 162.5 broadcast Blocade Mulch 6 b 23 c 112 c 45 a 54 a 53 ab 47 3 MIDAS 175 lb/A broadcast Blocade Mulch 3 b 15 c 63 c 53 a 45 b 56 ab 52 4 MB 50:50 240 lb/A broadc Blocade Mulch 2 b 6 c 41 c 51 a 48 ab 48 ab 52 5 No Fumigant Blocade Mulch 302 a 283 a 663 a 50 a 52 ab 44 b 53 LSD (P=.05) 66.4 45.6 176.1 16.8 7.4 13.3 18	1			30 b	80 b	304 b	53 a	54 a	61 a	59 a
Blocade Mulch Image: Middle for the second sec				C h	22.5	110 -	45 -	54 c	50 ah	47 - 2
Blocade Mulch Image: Marcine and the second se	2			d d	23 C	112 C	45 a	54 a	53 ab	47 a
Blocade Mulch Image: Mode Mulch <	3			3 b	15 c	63 c	53 a	45 b	56 ab	52 a
Blocade Mulch LSD (P=.05) 66.4 45.6 176.1 16.8 7.4 13.3 18	4			2 b	6 c	41 c	51 a	48 ab	48 ab	52 a
	5	0		302 a	283 a	663 a	50 a	52 ab	44 b	53 a
	LSD	(P=.05)		66.4	45.6	176.1	16.8	7.4	13.3	18.1
				35.3	24.2	93.5	8.9	3.9	7.1	9.6
CV 51.34 29.66 39.51 17.75 7.81 13.48 18.3	CV			51.34	29.66	39.51	17.75	7.81	13.48	18.36
Bartlett's X2 24.278 8.191 8.773 0.134 1.718 1.796 5.3	Bart	lett's X2		24.278	8.191	8.773	0.134	1.718	1.796	5.32
P(Bartlett's X2) 0.001* 0.085 0.067 0.998 0.787 0.773 0.24	P(B	artlett's X2)		0.001*	0.085	0.067	0.998	0.787	0.773	0.256

G10PLa SOLME BVSO p-11-07 ht cm 56 56 DA-A T1
BVSO p-11-07 ht cm 56 56 DA-A
p-11-07 ht cm 56 56 DA-A
ht cm 56 56 DA-A
cm 56 56 DA-A
56 56 DA-A
56 DA-A
56 DA-A
T1
21
56 a
50 a
51 a
51 a
01 u
50 a
8.5
4.5
8.77
2.993
0.559

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

Column 21: T1 = @AVG([C11].[C20])

rv 3 Harv 4 ME SOLME /SO BVSO I-07 Oct-11-07 vt/lb #
/SO BVSO I-07 Oct-11-07
-07 Oct-11-07
vt/lb #
plot per plot
86 86
A-A 86 DA-A
28
8a 22a
1a 25a
8a 29a
8a 26a
6а 15а
6.5 14.3
3.5 7.6
2.19 32.28
116 3.254
539 0.516

Pest Code Harv 4 Harv 5 Harv 5 Harv 6 Harv 6 Harv 7 Harv 7 Harv 7 Crop Code SOLME SUSO BVSO <					<u> </u>			
BBCH Scale BVSO	Pest Code	Harv 4	Harv 5	Harv 5	Harv 6	Harv 6	Harv 7	Harv 7
Rating Date Oct-11-07 Oct-25-07 Oct-25-07 Oct-30-07 Nov-06-07 Nov-06-07 Wr/b # wr/b # <td>Crop Code</td> <td>SOLME</td> <td>SOLME</td> <td>SOLME</td> <td>SOLME</td> <td>SOLME</td> <td>SOLME</td> <td>SOLME</td>	Crop Code	SOLME						
Rating Data Type wt/lb # wt/lb	BBCH Scale	BVSO	BVSO	BVSO				
Rating Unit Assessed By Days After First/Last Applic.per plot 86per plot 100per plot 100per plot 100per plot 105per plot 105per plot 112per plot 105per plot <br< td=""><td>Rating Date</td><td>Oct-11-07</td><td>Oct-25-07</td><td>Oct-25-07</td><td>Oct-30-07</td><td>Oct-30-07</td><td>Nov-06-07</td><td>Nov-06-07</td></br<>	Rating Date	Oct-11-07	Oct-25-07	Oct-25-07	Oct-30-07	Oct-30-07	Nov-06-07	Nov-06-07
Assessed By Days After First/Last Applic. 86 100 100 105 105 112 112 Trt-Eval Interval ARM Action Codes 86 DA-A 105 DA-A 105 DA-A Trt Treatment Rate 22 ab 14 ab 16 ab 11 a 9 a 14 ab 1 MIDAS 150 broadcast 22 ab 14 ab 16 ab 11 a 9 a 14 ab 2 MIDAS 162.5 broadcast 24 ab 21 a 20 ab 15 a 13 a 19 a 3 MIDAS 175 Ib/A broadcast 30 a 22 a 22 a 16 a 14 a 20 a 18 ab 4 MB 50:50 240 lb/A broadc 26 26 22 a 21 ab 14 a 10 b <td< td=""><td>Rating Data Type</td><td>wt/lb</td><td>#</td><td>wt/lb</td><td>#</td><td>wt/lb</td><td>#</td><td>wt/lb</td></td<>	Rating Data Type	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb
Days After First/Last Applic. 86 100 100 105 105 112 112 Trt-Eval Interval 86 DA-A 105 DA-A 105 DA-A 105 DA-A Trt Treatment Rate 29 30 31 32 33 34 35 1 MIDAS 150 broadcast 22 ab 14 ab 16 ab 11 a 9 a 16 ab 14 ab Blocade Mulch 24 ab 21 a 20 ab 15 a 13 a 19 ab 19 a 3 MIDAS 175 lb/A broadcast 30 a 22 a 21 ab 14 ab 14 ab 20 a 18 ab Blocade Mulch 26 ab 22 a 21 ab 14 a 12 a 23 a 22 a 4 MB 50:50 240 lb/A broadc 26 ab 22 a 21 ab 14 a 12 a 23 a 22 a 5 No Fumigant 17 b 9 b 9 b 9 a 7 a 10 b 9 b	Rating Unit	per plot						
Trt-Eval Interval ARM Action Codes 86 DA-A 105 DA-A 105 DA-A Trt Treatment Rate 29 30 31 32 33 34 35 1 MIDAS 150 broadcast 22 ab 14 ab 16 ab 11 a 9 a 16 ab 14 ab 2 MIDAS 162.5 broadcast 24 ab 21 a 20 ab 15 a 13 a 19 ab 19 a 3 MIDAS 175 lb/A broadcast 30 a 22 a 22 a 16 a 14 a 20 a 18 ab Blocade Mulch 17 b 9 b 9 b 9 a 7 a 10 b 9 b 4 MB 50:50 240 lb/A broadc 26 ab 22 a 21 ab 14 a 12 a 23 a 22 a 5 No Fumigant 17 b 9 b 9 b 9 a 7 a 10 b 9 b Standard Deviation 6.2 4.9 6.2 4.8 4.3 4.7 4.7 CV 26.24 28.01 35.09 38.03 37.89 26.71 28.68 <td>Assessed By</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Assessed By							
ARM Action Codes Image: constraint of the second seco	Days After First/Last Applic.	86			105	105	112	112
Trt Treatment Rate 29 30 31 32 33 34 35 1 MIDAS 150 broadcast 22 ab 14 ab 16 ab 11 a 9 a 16 ab 14 ab 2 MIDAS 162.5 broadcast 24 ab 21 a 20 ab 15 a 13 a 19 ab 19 a 3 MIDAS 175 lb/A broadcast 30 a 22 a 22 a 16 a 14 a 20 a 18 ab 3 MIDAS 175 lb/A broadcast 30 a 22 a 21 ab 14 a 20 a 18 ab Blocade Mulch 26 ab 22 a 21 ab 14 a 12 a 23 a 22 a 4 MB 50:50 240 lb/A broadc 26 ab 22 a 21 ab 14 a 12 a 23 a 22 a 5 No Fumigant 17 b 9 b 9 b 9 a 7 a 10 b 9 b LSD (P=.05) 11.7 9.3 11.6 9.1 8.0 8.8 8.9 Standard Deviation 6.2 4.9 6.2 4.8 4.3 4.7 4.7 <t< td=""><td>Trt-Eval Interval</td><td>86 DA-A</td><td>86 DA-A</td><td>86 DA-A</td><td>86 DA-A</td><td>86 DA-A</td><td>105 DA-A</td><td>105 DA-A</td></t<>	Trt-Eval Interval	86 DA-A	105 DA-A	105 DA-A				
No. Name Rate Unit 29 30 31 32 33 34 35 1 MIDAS 150 broadcast Blocade Mulch 22 ab 14 ab 16 ab 11 a 9 a 16 ab 14 ab 2 MIDAS 162.5 broadcast Blocade Mulch 24 ab 21 a 20 ab 15 a 13 a 19 ab 19 ab 3 MIDAS 175 lb/A broadcast Blocade Mulch 30 a 22 a 22 a 16 a 14 a 20 a 18 ab 4 MB 50:50 240 lb/A broadc Blocade Mulch 26 ab 22 a 21 ab 14 a 12 a 23 a 22 a 5 No Fumigant Blocade Mulch 17 b 9 b 9 b 9 a 7 a 10 b 9 b LSD (P=.05) 11.7 9.3 11.6 9.1 8.0 8.8 8.9 Standard Deviation 6.2 4.9 6.2 4.8 4.3 4.7 4.7 CV 26.24 28.01 35.09 38.03 37.89 26.71 28.68 Bartlett's X2 1.822 4.407 3.03 4.956 3.858 9.094 6.602 <td>ARM Action Codes</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	ARM Action Codes							
1 MIDAS 150 broadcast Blocade Mulch 22 ab 14 ab 16 ab 11 a 9 a 16 ab 14 ab 2 MIDAS 162.5 broadcast Blocade Mulch 24 ab 21 a 20 ab 15 a 13 a 19 ab 19 a 3 MIDAS 175 lb/A broadcast Blocade Mulch 30 a 22 a 22 a 22 a 16 a 14 a 20 a 18 ab 4 MB 50:50 240 lb/A broadc Blocade Mulch 26 ab 22 a 21 ab 14 a 12 a 23 a 22 a 5 No Fumigant Blocade Mulch 17 b 9 b 9 b 9 a 7 a 10 b 9 b LSD (P=.05) 11.7 9.3 11.6 9.1 8.0 8.8 8.9 Standard Deviation 6.2 4.9 6.2 4.8 4.3 4.7 4.7 CV 26.24 1.822 4.407 3.03 4.956 3.858 9.094 6.602	Trt Treatment Rate							
Blocade Mulch Image: MIDAS 162.5 broadcast Blocade Mulch 24 ab 21 a 20 ab 15 a 13 a 19 ab 19 a 3 MIDAS 175 lb/A broadcast Blocade Mulch 30 a 22 a 22 a 16 a 14 a 20 a 18 ab 4 MB 50:50 240 lb/A broadc 26 ab 22 a 21 ab 14 a 12 a 23 a 22 a 5 No Fumigant Blocade Mulch 17 b 9 b 9 b 9 a 7 a 10 b 9 b LSD (P=.05) 11.7 9.3 11.6 9.1 8.0 8.8 8.9 Standard Deviation 6.2 4.9 6.2 4.8 4.3 4.7 4.7 CV 26.24 28.01 35.09 38.03 37.89 26.71 28.68 Bartlett's X2 1.822 4.407 3.03 4.956 3.858 9.094 6.602	No. Name Rate Unit	29	30	31	32	33	34	35
2 MIDAS 162.5 broadcast Blocade Mulch 24 ab 21 a 20 ab 15 a 13 a 19 ab 19 a 3 MIDAS 175 lb/A broadcast Blocade Mulch 30 a 22 a 22 a 16 a 14 a 20 a 18 ab 4 MB 50:50 240 lb/A broadc Blocade Mulch 26 ab 22 a 21 ab 14 a 12 a 23 a 22 a 5 No Fumigant Blocade Mulch 17 b 9 b 9 b 9 a 7 a 10 b 9 b LSD (P=.05) 11.7 9.3 11.6 9.1 8.0 8.8 8.9 Standard Deviation 6.2 4.9 6.2 4.8 4.3 4.7 4.7 CV 26.24 28.01 35.09 38.03 37.89 26.71 28.68 Bartlett's X2 1.822 4.407 3.03 4.956 3.858 9.094 6.602		22 ab	14 ab	16 ab	11 a	9 a	16 ab	14 ab
Blocade Mulch Image: Middle Mulch				00 I	4.5	10	10.1	10
Blocade Mulch Image: marking the second		24 ab	21 a	20 ab	15 a	13 a	19 ab	19 a
Blocade Mulch Image: marking and blocade Mulch		30 a	22 a	22 a	16 a	14 a	20 a	18 ab
Blocade Mulch Image: Marcine Standard Deviation 11.7 9.3 11.6 9.1 8.0 8.8 8.9 Standard Deviation 6.2 4.9 6.2 4.8 4.3 4.7 4.7 CV 26.24 28.01 35.09 38.03 37.89 26.71 28.68 Bartlett's X2 1.822 4.407 3.03 4.956 3.858 9.094 6.602		26 ab	22 a	21 ab	14 a	12 a	23 a	22 a
Standard Deviation6.24.96.24.84.34.74.7CV26.2428.0135.0938.0337.8926.7128.68Bartlett's X21.8224.4073.034.9563.8589.0946.602		17 b	9 b	9 b	9 a	7 a	10 b	9 b
CV26.2428.0135.0938.0337.8926.7128.68Bartlett's X21.8224.4073.034.9563.8589.0946.602	LSD (P=.05)	11.7	9.3	11.6	9.1	8.0	8.8	8.9
Bartlett's X2 1.822 4.407 3.03 4.956 3.858 9.094 6.602		6.2	4.9	6.2	4.8	4.3	4.7	4.7
	CV	26.24	28.01	35.09	38.03	37.89	26.71	28.68
P(Bartlett's X2) 0.768 0.354 0.553 0.292 0.426 0.059 0.158	Bartlett's X2	1.822	4.407	3.03	4.956	3.858	9.094	6.602
	P(Bartlett's X2)	0.768	0.354	0.553	0.292	0.426	0.059	0.158

				<u> </u>		
Pest Code	Harv 1-2	Harv 1-2	Harv 1-4	Harv 1-4	Harv 1-8	Harv 1-8
Crop Code	SOLME	SOLME	SOLME	SOLME	SOLME	SOLME
BBCH Scale	BVSO				BVSO	
Rating Date	Jan-06-08	Jan-06-08	Jan-06-08	Jan-06-08	Jan-06-08	Jan-06-08
Rating Data Type	#	wt/lb	#	wt/lb	#	wt/lb
Rating Unit	per plot	per plot	per plot	per plot	per plot	per plot
Assessed By						
Days After First/Last Applic.	173	173	173	173	173	173
Trt-Eval Interval	112 DA-A	112 DA-A	173 DA-A	173 DA-A	173 DA-A	173 DA-A
ARM Action Codes	T2	Т3	T4	T5	Т6	T7
Trt Treatment Rate						
No. Name Rate Unit	36	37	38	39	40	41
1 MIDAS 150 broadcast	11 ab	11 bc	40 ab	41 ab	80 b	80 a
Blocade Mulch						
2 MIDAS 162.5 broadcast	16 a	17 a	50 a	52 a	105 a	104 a
Blocade Mulch						
3 MIDAS 175 lb/A broadcast	14 a	15 ab	50 a	52 a	107 a	106 a
Blocade Mulch						
4 MB 50:50 240 lb/A broadc	15 a	16 ab	49 a	50 a	107 a	105 a
Blocade Mulch						
5 No Fumigant	6 b	6 c	26 b	29 b	55 c	54 b
Blocade Mulch	0.2					0.0
LSD (P=.05)	4.8	5.3	14.2	13.6	20.5	25.3
Standard Deviation	4.0 2.5	2.8		7.2	20.5	25.5 13.4
CV	2.5	2.6		7.2 16.14	11.98	13.4
Bartlett's X2	4.729	5.662	3.893	-	13.94	4.487
P(Bartlett's X2)	4.729 0.316	0.226		4.855	0.007*	0.344
	0.310	0.220	0.421	0.302	0.007	0.344

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

Column 36: T2 = ([C22]+[C24])Column 37: T3 = ([C23]+[C25])

Column 38: T4 = ([C22]+[C24]+[C26]+[C28]) Column 39: T5 = ([C23]+[C25]+[C27]+[C29])

Column 40: T6 = ([C22]+[C23]+[C26]+[C26]+[C30]+[C32]+[C34])

 $\frac{\text{Column 41: } \text{T7} = ([C23]+[C25]+[C27]+[C29]+[C31]+[C33]+[C35])}{\text{Column 41: } \text{T7} = ([C23]+[C25]+[C27]+[C29]+[C31]+[C33]+[C35])}$

	Nutsedge ar	nd eggplant response	to MIDAS applied	under VIF mulch.	
		_			
Trial ID: Ve	-	Protocol I			
Location: Po	onder Farm		r: Stanley Culpep		
			r: Stanley Culpep	per	
	-	eneral Trial Informa			
	Stanley Culpep		Title: Ext.	Weed Science	
	University of				
Postal Code:	31794	E-mail:			
Investigator:	Stanley Culpep	per	Title: Ext.	Weed Science	
-	University of	-			
Postal Code:					
Keywords:					
		Trial Location			
City: Ty	<i>י</i> Tv		l Status:	completed	
State/Prov.: GA			l Reliability:		
Postal Code: 31	-		iation Date:		
Country: US			ned Completion Dat		
		Longi			
		Unit: Angle			
			-		
Directions:					
Conducted Under	GLP: _	Official Trial C			
Conducted Under	GEP: _	Other Trial Co	ode:		
Guideline		Descr	iption		
1.					
_					
Objectives:					
Conclusions:					
	c	looperator/Landowner			
Cooperator:			Country:		
Organization:			Phone No:		
Address 1:			Fax No:		
Address 2:					
City:					
State/Prov:					
Postal Code:		E-mail:			

		Crop	Description				
Crop 1: SOLME So	olanum	melongena	A	ubergin	le		
Variety: Santana			Description:				
BBCH Scale: H	BVSO		Planting	Date:	Aug-1	14-07	
Planting Method:	trans	splant	Rate,	Unit:	1	20	inch
Depth, Unit:	1.5	in	Perennial Age,	Unit:			_
Row Spacing, Unit:	: 6	foot	Spacing Within Row,	Unit:	20	inch	
Seed Bed: 1	mulched	E	Soil Temperature,	Unit:	98	F	
Soil Moisture:	drip		Emergence	Date:			_
Harvest Date:			Harvest Equi	pment:			
Harvested Width, N	Unit: _		Harvested Leng	th, Uni	t:		
% Standard Moistu	re: _		Moisture 1	Meter:			
Weighing Equipment	t: _						

Pest 1 Type: W Code: CYPRO	
Common Name: Cyperus rotundus	
Description: purple nutsedge	

		Site	e and Design	
Plot Width, Unit:	6	FT	Site Type:	Ponder Research Farm
Plot Length, Unit:	50	FT	Tillage Type:	Conventional
Replications:	3		Study Design:	Randomized Complete Block
% Slope:			Soil Drainage:	

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.			

		Maintenance						
		Maintenance	Form	Form	Form		Rate	Tank
No.	Date	Treatment Name	Conc	Unit	Туре	Rate	Unit	Mix
1.								

Comment:

Field Prep./Maintenance:

Soil Description

			DOIT DEDETTPETON	
Description 1	Name:			
% Sand: 94	% OM:	6.4	Texture:	Sand
% Silt: 2	pH:	1.3	Soil Name:	Tifton sandy loam
% Clay: 4	CEC:		Fert. Level:	
Analyzed By:				

	Additional	Measured	Elemen	ts
Element		Quant	ity	Unit

	Moisture Conditions		
Overall Moisture Conditions:	drip irrigation		
Closest Weather Station:		Distance:	Unit:

	Date	Time	Amount	Unit	Туре	Interval	Unit
1.							

Application Description

	А
Application Date:	Jul-17-07
Time of Day:	1:00 pm
Application Method:	band
Application Timing:	preplant
Application Placement:	injected
Applied By:	
Air Temperature, Unit:	93 F
% Relative Humidity:	42
Wind Velocity, Unit:	4 mph
Wind Direction:	
Dew Presence (Y/N):	n
Water Hardness:	
Soil Temperature, Unit:	88 F
Soil Moisture:	moist
% Cloud Cover:	10
Next Rain Occurred On:	

Crop Stage At Each Application

	1
	A
Crop 1 Code, BBCH Scale:	SOLME BVSO
Stage Scale Used:	preplant
Stage Majority, Percent:	
Stage Minimum, Percent:	
Stage Maximum, Percent:	
Diameter, Unit:	
Height, Unit:	
Height Minimum, Maximum:	

Pest Stage At Each Application

	А
Pest 1 Code, Disc., Scale:	CYPRO W .
Stage Majority, Percent:	
Stage Minimum, Percent:	
Stage Maximum, Percent:	
Diameter, Unit:	
Height, Unit:	
Height Minimum, Maximum:	
Density, Unit:	0
Coverage, Unit:	

	P	A
Appl. Equipment:	super be	d
Operating Pressure, Unit:	see	commen
Nozzle Type:	section	
Nozzle Size:		
Nozzle Spacing, Unit:		
Nozzles/Row:		
Nozzle Calibration, Unit:		
Band Width, Unit:		
Boom ID:		
Boom Length, Unit:		
Boom Height, Unit:		
Ground Speed, Unit:		
Incorporation Equip.:		
Hours to Incorp.:		
Incorp. Depth, Unit:		
Carrier:		
Spray Volume, Unit:		
Mix Size, Unit:		
Spray pH:		
Propellant:		
Tank Mix (Y/N):		

Application Equipment

Equipment Comment:

Trt No	Treatment	Application Comment
Date	Ву	Notes
Date	Ву	Deviations

_

Reasons: