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Tomato Yield:

1. Early season yields followed trends in early season stunting with greatest yields in plots treated with the reduced rate using LDPE mulch. Plant back is still the greatest issue with this alternative.

Eggplant Yield:

1. Eggplant was not stunted early in the season by any treatment but yields were generally greater in reduced rate treatments and when PicChlor 60 was used instead of Telone IIb Chloropicrin. (Need to further study this).

GENERAL COMMENTS:

1. 3 WAY = Telone II at 12 gal/A, chloropicrin (150 lb/A), Vapam (75 gal/A).
2. Fumigant were applied, beds were formed and mulch was laid within minutes of one another. Telone II 10-12 inches deep with a Yetter applicator. Pic Chlor 60 and PIC were applied with a super bedder plastic layer injected 8 inches deep with 3 knives on a 32 inch bedtop. Vapam was injected 4 inches in the final bed. Mulch was laid.

A FALL CROP WAS GROWN AS A SECOND CROP ON THESE TREATMENTS. DATA IS IN VEG20-07(FALL).

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Comparing the UGA 3-WAY to Pic Chlor 60 followed by Vapam for weed control and yield of tomato and eggplant.

Trial ID: Veg20-07(spring)

Study Dir.: Stanley Culpepper

Location: Ponder 5141

Investigator: Stanley Culpepper

Weed Code	CYPRO	CYPRO	CYPRO	CYPRO	CYPRO	CYPRO	CYPRO	CYPRO	
Crop Code									
Rating Data Type				#	#	# plot	# plot	#plot	
Rating Unit	%	%	%	plot	plot	north	south	N and S	
Rating Date	Apr-03-07	Apr-23-07	May-14-07	Mar-28-07	Apr-12-07	May-18-07	May-18-07	May-18-07	
Assessed By	SC	SC	SC						
Trt-Eval Interval	36 DA-A	56 DA-A	77 DA-A	30 DA-A	45 DA-A	81 DA-A	81 DA-A	81 DA-A	
ARM Action Codes								T25	
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
		Unit	Unit	Unit	Unit	Unit	Unit	Unit	
		1	2	3	5	6	7	8	9
1	No Fumigant LDPE 1.25 mil	0 d	0 e	0 e	256 a	186 a	500 a	325 a	825 a
2	3 WAY 12 fb 150 fb 75 LDPE 1.25 mil	93 ab	88 c	85 bc	8 b	11 b	19 b	8 b	27 b
3	3 WAY 12 fb 150 fb 75 VIF 1.25 mil Blocade	99 a	99 a	90 ab	1 b	1 b	6 b	1 b	7 b
4	Pic Chlor 60 @ 21 G Vapam 75 G LDPE 1.25 mil	94 ab	90 bc	92 a	5 b	8 b	8 b	10 b	17 b
5	Pic Chlor 60 @ 21 G Vapam 75 G VIF 1.25 mil Blocade	99 a	94 b	92 a	0 b	1 b	8 b	8 b	16 b
6	3 WAY 9 fb 113 fb 56 LDPE 1.25 mil	86 c	87 c	84 c	9 b	13 b	23 b	10 b	32 b
7	3 WAY 9 fb 113 fb 56 VIF 1.25 mil Blocade	90 bc	90 bc	81 c	6 b	14 b	53 b	14 b	66 b
8	Pic Chlor 60 @ 15.8 G Vapam 56 G LDPE 1.25 mil	84 c	79 d	75 d	15 b	23 b	57 b	18 b	74 b
9	Pic Chlor 60 @ 15.8 G Vapam 56 G VIF 1.25 mil Blocade	97 ab	92 bc	82 c	2 b	3 b	16 b	15 b	30 b
LSD (P=.05)		6.3	4.7	5.4	39.5	29.1	75.7	16.6	88.4
Standard Deviation		4.3	3.2	3.7	27.1	19.9	51.9	11.3	60.6
CV		5.27	4.04	4.89	81.14	69.25	67.79	25.17	49.82
Bartlett's X2		5.019	7.592	8.519	66.434	54.424	52.074	24.313	44.88
P(Bartlett's X2)		0.414	0.37	0.203	0.001*	0.001*	0.001*	0.002*	0.001*

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

Column 8: T25 = [C7]+[C8]

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Weed Code	plant 1 LYPES	plant 2 LYPES	plant 3 LYPES	plant 4 LYPES	plant 5 LYPES	plant 6 LYPES	plant 7 LYPES	plant 8 LYPES	
Crop Code									
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Date	Apr-03-07	Apr-03-07	Apr-03-07	Apr-03-07	Apr-03-07	Apr-03-07	Apr-03-07	Apr-03-07	
Assessed By									
Trt-Eval Interval	36 DA-A	36 DA-A	36 DA-A	36 DA-A	36 DA-A	36 DA-A	36 DA-A	36 DA-A	
ARM Action Codes									
Trt Treatment	Rate								
No. Name	Rate Unit	11	12	13	14	15	16	17	18
1 No Fumigant LDPE 1.25 mil		20 a	18 ab	17 a	19 a	19 a	19 a	19 a	19 ab
2 3 WAY 12 fb 150 fb 75 LDPE 1.25 mil		16 ab	15 ab	18 a	17 abc	16 abc	16 ab	18 abc	17 abc
3 3 WAY 12 fb 150 fb 75 VIF 1.25 mil Blocade		15 b	14 b	16 a	14 bc	16 abc	15 b	16 abc	15 c
4 Pic Chlor 60 @ 21 G Vapam 75 G LDPE 1.25 mil		16 ab	18 ab	17 a	16 abc	15 bc	18 ab	16 abc	18 abc
5 Pic Chlor 60 @ 21 G Vapam 75 G VIF 1.25 mil Blocade		15 b	16 ab	17 a	16 abc	15 c	17 ab	14 bc	17 bc
6 3 WAY 9 fb 113 fb 56 LDPE 1.25 mil		18 ab	20 a	18 a	19 ab	19 ab	18 ab	17 abc	19 ab
7 3 WAY 9 fb 113 fb 56 VIF 1.25 mil Blocade		17 ab	18 ab	17 a	16 abc	16 abc	18 ab	17 abc	18 abc
8 Pic Chlor 60 @ 15.8 G Vapam 56 G LDPE 1.25 mil		19 ab	19 a	18 a	16 abc	18 abc	18 ab	18 ab	21 a
9 Pic Chlor 60 @ 15.8 G Vapam 56 G VIF 1.25 mil Blocade		17 ab	17 ab	16 a	14 c	16 abc	16 ab	14 c	17 bc
LSD (P=.05)		3.8	4.0	3.4	3.8	3.4	3.7	3.6	3.2
Standard Deviation		2.6	2.8	2.3	2.6	2.3	2.5	2.5	2.2
CV		15.16	16.11	13.66	16.08	14.03	14.78	15.12	12.44
Bartlett's X2		6.544	11.766	6.998	5.013	6.497	3.685	7.737	3.695
P(Bartlett's X2)		0.586	0.162	0.537	0.756	0.592	0.884	0.46	0.884

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

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Weed Code	plant 9 LYPES	plant 10 LYPES	AVG10PLA LYPES	plant 1 LYPES	plant 2 LYPES	plant 3 LYPES	plant 4 LYPES	plant 5 LYPES
Crop Code								
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm
Rating Date	Apr-03-07	Apr-03-07		Apr-25-07	Apr-25-07	Apr-25-07	Apr-25-07	Apr-25-07
Assessed By								
Trt-Eval Interval	36 DA-A	36 DA-A		58 DA-A	58 DA-A	58 DA-A	58 DA-A	58 DA-A
ARM Action Codes			T1					
Trt Treatment	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate
No. Name	Rate Unit	Rate Unit	Rate Unit	Rate Unit	Rate Unit	Rate Unit	Rate Unit	Rate Unit
	19	20	21	22	23	24	25	26
1 No Fumigant LDPE 1.25 mil	21 a	19 ab	19 a	41 ab	40 a	34 a	41 ab	40 a
2 3 WAY 12 fb 150 fb 75 LDPE 1.25 mil	16 b	17 a-d	17 cd	37 bc	39 a	39 a	41 ab	39 a
3 3 WAY 12 fb 150 fb 75 VIF 1.25 mil Blocade	16 b	15 d	15 d	32 d	31 b	34 a	34 c	32 a
4 Pic Chlor 60 @ 21 G Vapam 75 G LDPE 1.25 mil	16 b	15 bcd	16 cd	39 bc	39 a	37 a	41 ab	33 a
5 Pic Chlor 60 @ 21 G Vapam 75 G VIF 1.25 mil Blocade	18 ab	17 a-d	16 cd	38 bc	36 ab	32 a	35 bc	37 a
6 3 WAY 9 fb 113 fb 56 LDPE 1.25 mil	18 ab	20 a	18 ab	44 a	39 a	38 a	43 a	39 a
7 3 WAY 9 fb 113 fb 56 VIF 1.25 mil Blocade	18 ab	15 cd	17 bc	34 cd	35 ab	37 a	38 abc	39 a
8 Pic Chlor 60 @ 15.8 G Vapam 56 G LDPE 1.25 mil	19 ab	18 a-d	19 ab	39 abc	38 a	36 a	41 ab	38 a
9 Pic Chlor 60 @ 15.8 G Vapam 56 G VIF 1.25 mil Blocade	18 ab	19 abc	16 cd	38 bc	36 ab	36 a	38 abc	34 a
LSD (P=.05)	3.7	3.4	1.6	5.1	5.4	8.1	5.6	7.0
Standard Deviation	2.6	2.3	1.1	3.5	3.7	5.5	3.8	4.8
CV	14.48	13.51	6.32	9.18	10.01	15.41	9.8	13.07
Bartlett's X2	4.235	17.097	5.798	14.834	7.048	7.88	9.193	6.707
P(Bartlett's X2)	0.835	0.029*	0.67	0.062	0.531	0.445	0.326	0.569

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

Column 19: T1 = @AVG([C11].[C20])

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Weed Code	plant 6 LYPES	plant 7 LYPES	plant 8 LYPES	plant 9 LYPES	plant 10 LYPES	AVG10PLA LYPES	plant 1 SOLME	plant 2 SOLME	
Crop Code									
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Date	Apr-25-07	Apr-25-07	Apr-25-07	Apr-25-07	Apr-25-07		Apr-03-07	Apr-03-07	
Assessed By									
Trt-Eval Interval	58 DA-A	58 DA-A	58 DA-A	58 DA-A	58 DA-A		36 DA-A	36 DA-A	
ARM Action Codes						T2			
Trt Treatment	Rate								
No. Name	Rate Unit	27	28	29	30	31	32	33	34
1 No Fumigant LDPE 1.25 mil		36 a	42 a	42 a	40 a	36 a	39 a	15 a	14 a
2 3 WAY 12 fb 150 fb 75 LDPE 1.25 mil		36 a	41 a	35 ab	40 a	37 a	38 a	13 a	15 a
3 3 WAY 12 fb 150 fb 75 VIF 1.25 mil Blocade		35 a	38 a	36 ab	37 a	101 a	41 a	13 a	14 a
4 Pic Chlor 60 @ 21 G Vapam 75 G LDPE 1.25 mil		37 a	39 a	37 ab	37 a	35 a	37 a	14 a	14 a
5 Pic Chlor 60 @ 21 G Vapam 75 G VIF 1.25 mil Blocade		35 a	37 a	33 b	37 a	39 a	36 a	13 a	14 a
6 3 WAY 9 fb 113 fb 56 LDPE 1.25 mil		35 a	37 a	37 ab	37 a	40 a	39 a	13 a	15 a
7 3 WAY 9 fb 113 fb 56 VIF 1.25 mil Blocade		38 a	35 a	42 a	35 a	39 a	37 a	14 a	14 a
8 Pic Chlor 60 @ 15.8 G Vapam 56 G LDPE 1.25 mil		34 a	41 a	38 ab	38 a	35 a	38 a	14 a	14 a
9 Pic Chlor 60 @ 15.8 G Vapam 56 G VIF 1.25 mil Blocade		38 a	41 a	35 ab	36 a	39 a	37 a	15 a	14 a
LSD (P=.05)		5.9	7.2	8.2	5.3	60.9	6.0	2.6	3.0
Standard Deviation		4.0	4.9	5.6	3.6	41.8	4.1	1.7	2.1
CV		11.18	12.72	15.17	9.75	93.84	10.86	12.92	14.87
Bartlett's X2		6.254	11.786	10.425	12.27	101.274	36.939	4.162	19.578
P(Bartlett's X2)		0.619	0.161	0.236	0.14	0.001*	0.001*	0.842	0.012*

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

Column 30: T2 = @AVG([C22].[C31])

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Weed Code	plant 3	plant 4	plant 5	plant 6	plant 7	plant 8	plant 9	plant 10	
Crop Code	SOLME	SOLME	SOLME	SOLME	SOLME	SOLME	SOLME	SOLME	
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Date	Apr-03-07	Apr-03-07	Apr-03-07	Apr-03-07	Apr-03-07	Apr-03-07	Apr-03-07	Apr-03-07	
Assessed By									
Trt-Eval Interval	36 DA-A	36 DA-A	36 DA-A	36 DA-A	36 DA-A	36 DA-A	36 DA-A	36 DA-A	
ARM Action Codes									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
		Unit	Unit	Unit	Unit	Unit	Unit	Unit	
		35	36	37	38	39	40	41	
1	No Fumigant LDPE 1.25 mil	14 a	13 a	14 a	14 a	14 a	14 abc	12 b	15 a
2	3 WAY 12 fb 150 fb 75 LDPE 1.25 mil	13 a	14 a	12 a	16 a	13 a	15 a	12 b	13 ab
3	3 WAY 12 fb 150 fb 75 VIF 1.25 mil Blocade	14 a	14 a	12 a	13 a	13 a	13 c	13 b	13 ab
4	Pic Chlor 60 @ 21 G Vapam 75 G LDPE 1.25 mil	15 a	13 a	14 a	14 a	14 a	14 abc	14 ab	15 a
5	Pic Chlor 60 @ 21 G Vapam 75 G VIF 1.25 mil Blocade	14 a	12 a	13 a	14 a	14 a	15 ab	14 ab	14 ab
6	3 WAY 9 fb 113 fb 56 LDPE 1.25 mil	13 a	14 a	12 a	14 a	13 a	15 a	14 ab	15 a
7	3 WAY 9 fb 113 fb 56 VIF 1.25 mil Blocade	13 a	14 a	14 a	13 a	15 a	15 ab	15 a	12 b
8	Pic Chlor 60 @ 15.8 G Vapam 56 G LDPE 1.25 mil	14 a	14 a	14 a	14 a	13 a	13 bc	14 ab	15 a
9	Pic Chlor 60 @ 15.8 G Vapam 56 G VIF 1.25 mil Blocade	14 a	15 a	14 a	15 a	13 a	14 abc	14 ab	14 a
LSD (P=.05)		2.1	2.2	2.2	3.9	1.9	1.7	1.7	2.3
Standard Deviation		1.4	1.5	1.5	2.6	1.3	1.1	1.2	1.6
CV		10.54	11.02	11.29	18.97	9.58	8.05	8.77	11.56
Bartlett's X2		5.142	7.108	5.623	11.901	8.045	6.38	4.074	5.986
P(Bartlett's X2)		0.742	0.525	0.689	0.156	0.429	0.605	0.85	0.649

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

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Weed Code	AVG10PLA	plant 1	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7	
Crop Code	SOLME	SOLME	SOLME	SOLME	SOLME	SOLME	SOLME	SOLME	
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Date		Apr-25-07	Apr-25-07	Apr-25-07	Apr-25-07	Apr-25-07	Apr-25-07	Apr-25-07	
Assessed By		58 DA-A	58 DA-A	58 DA-A	58 DA-A	58 DA-A	58 DA-A	58 DA-A	
Trt-Eval Interval									
ARM Action Codes	T3								
Trt Treatment	Rate								
No. Name	Rate Unit	43	44	45	46	47	48	49	50
1 No Fumigant LDPE 1.25 mil		14 a	24 a	28 a	24 b	24 a	28 a	23 b	31 a
2 3 WAY 12 fb 150 fb 75 LDPE 1.25 mil		14 a	28 a	25 a	24 b	26 a	25 a	26 ab	23 a
3 3 WAY 12 fb 150 fb 75 VIF 1.25 mil Blocade		13 a	27 a	24 a	25 b	24 a	22 a	23 b	25 a
4 Pic Chlor 60 @ 21 G Vapam 75 G LDPE 1.25 mil		14 a	26 a	27 a	26 ab	27 a	26 a	29 a	28 a
5 Pic Chlor 60 @ 21 G Vapam 75 G VIF 1.25 mil Blocade		13 a	23 a	24 a	23 b	21 a	24 a	25 ab	24 a
6 3 WAY 9 fb 113 fb 56 LDPE 1.25 mil		14 a	27 a	28 a	24 b	26 a	26 a	25 ab	28 a
7 3 WAY 9 fb 113 fb 56 VIF 1.25 mil Blocade		14 a	25 a	27 a	26 ab	26 a	24 a	24 ab	26 a
8 Pic Chlor 60 @ 15.8 G Vapam 56 G LDPE 1.25 mil		14 a	26 a	26 a	25 b	25 a	24 a	28 ab	26 a
9 Pic Chlor 60 @ 15.8 G Vapam 56 G VIF 1.25 mil Blocade		14 a	27 a	29 a	30 a	28 a	27 a	27 ab	27 a
LSD (P=.05)		1.0	6.3	4.8	4.7	5.9	5.9	5.0	6.7
Standard Deviation		0.7	4.3	3.3	3.2	4.0	4.0	3.4	4.6
CV		5.11	16.76	12.57	12.76	16.1	16.16	13.35	17.25
Bartlett's X2		17.037	5.217	9.194	7.024	7.662	13.625	16.091	4.661
P(Bartlett's X2)		0.03*	0.734	0.326	0.534	0.467	0.092	0.041*	0.793

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

Column 41: T3 = @AVG([C33].[C42])

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Weed Code	plant 8 SOLME	plant 9 SOLME	plant 10 SOLME	AVG10PLA SOLME	harv 1 LYPES	harv 1 LYPES	harv 2 LYPES	harv 2 LYPES	
Crop Code									
Rating Data Type	ht	ht	ht	ht	jumbo	jumbo	jumbo	jumbo	
Rating Unit	cm	cm	cm	cm	#	wt/lbs	#	wt/lbs	
Rating Date	Apr-25-07	Apr-25-07	Apr-25-07		May-24-07	May-24-07	May-30-07	May-30-07	
Assessed By									
Trt-Eval Interval	58 DA-A	58 DA-A	58 DA-A		87 DA-A	87 DA-A	93 DA-A	93 DA-A	
ARM Action Codes				T4					
Trt Treatment	Rate								
No. Name	Rate Unit	51	52	53	54	56	57	58	59
1 No Fumigant LDPE 1.25 mil		28 a	27 a	28 ab	26 abc	25 ab	11 ab	3 ab	1 ab
2 3 WAY 12 fb 150 fb 75 LDPE 1.25 mil		26 ab	24 a	21 b	25 bc	21 b	9 b	4 ab	1 ab
3 3 WAY 12 fb 150 fb 75 VIF 1.25 mil Blocade		22 b	25 a	26 ab	24 bc	23 b	9 b	2 ab	1 ab
4 Pic Chlor 60 @ 21 G Vapam 75 G LDPE 1.25 mil		28 a	28 a	27 ab	27 ab	33 ab	14 ab	1 b	0 ab
5 Pic Chlor 60 @ 21 G Vapam 75 G VIF 1.25 mil Blocade		27 ab	24 a	25 ab	24 c	28 ab	12 ab	1 b	0 b
6 3 WAY 9 fb 113 fb 56 LDPE 1.25 mil		26 ab	26 a	27 ab	26 abc	28 ab	13 ab	5 a	2 a
7 3 WAY 9 fb 113 fb 56 VIF 1.25 mil Blocade		28 a	28 a	26 ab	26 abc	29 ab	12 ab	1 b	1 ab
8 Pic Chlor 60 @ 15.8 G Vapam 56 G LDPE 1.25 mil		25 ab	23 a	26 ab	25 abc	38 a	16 a	4 ab	2 ab
9 Pic Chlor 60 @ 15.8 G Vapam 56 G VIF 1.25 mil Blocade		28 a	27 a	31 a	28 a	25 ab	11 b	5 ab	2 ab
LSD (P=.05)		4.2	5.9	6.3	2.8	11.9	4.8	3.2	1.5
Standard Deviation		2.9	4.1	4.3	1.9	8.2	3.3	2.2	1.0
CV		10.96	15.82	16.34	7.39	29.77	26.88	77.43	86.1
Bartlett's X2		8.269	4.306	12.953	4.169	11.528	14.383	8.728	9.606
P(Bartlett's X2)		0.408	0.829	0.113	0.842	0.174	0.072	0.366	0.294

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

Column 52: T4 = @AVG([C44].[C53])

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Weed Code	harv 2	harv 2	harv 2	harv 2	harv 2	harv 2	harv 3	
Crop Code	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	
Rating Data Type	large	large	medium	medium	small	small	jumbo	
Rating Unit	#	wt/lbs	#	wt/lbs	#	wt/lbs	#	
Rating Date	May-30-07	May-30-07	May-30-07	May-30-07	May-30-07	May-30-07	Jun-06-07	
Assessed By								
Trt-Eval Interval	93 DA-A	93 DA-A	93 DA-A	93 DA-A	93 DA-A	93 DA-A	100 DA-A	
ARM Action Codes								
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	
		Unit	Unit	Unit	Unit	Unit	Unit	
		60	61	62	63	64	65	
		66						
1	No Fumigant LDPE 1.25 mil	4 b	1 a	2 a	1 a	2 ab	0 ab	6 ab
2	3 WAY 12 fb 150 fb 75 LDPE 1.25 mil	5 ab	1 a	4 a	1 a	1 b	0 ab	7 ab
3	3 WAY 12 fb 150 fb 75 VIF 1.25 mil Blocade	6 ab	2 a	4 a	1 a	3 ab	0 ab	6 b
4	Pic Chlor 60 @ 21 G Vapam 75 G LDPE 1.25 mil	5 ab	2 a	4 a	1 a	1 b	0 b	8 ab
5	Pic Chlor 60 @ 21 G Vapam 75 G VIF 1.25 mil Blocade	5 ab	2 a	5 a	1 a	3 ab	1 ab	4 b
6	3 WAY 9 fb 113 fb 56 LDPE 1.25 mil	8 a	3 a	5 a	1 a	2 ab	0 ab	7 ab
7	3 WAY 9 fb 113 fb 56 VIF 1.25 mil Blocade	6 ab	2 a	5 a	1 a	2 ab	0 ab	8 ab
8	Pic Chlor 60 @ 15.8 G Vapam 56 G LDPE 1.25 mil	7 ab	2 a	4 a	1 a	4 a	1 a	11 a
9	Pic Chlor 60 @ 15.8 G Vapam 56 G VIF 1.25 mil Blocade	5 ab	1 a	5 a	1 a	2 ab	0 ab	8 ab
LSD (P=.05)		3.5	1.3	3.4	0.8	2.1	0.4	3.8
Standard Deviation		2.4	0.9	2.3	0.6	1.4	0.3	2.6
CV		43.78	48.56	58.93	58.36	68.44	90.2	36.84
Bartlett's X2		8.247	8.195	7.538	5.042	8.543	13.189	5.654
P(Bartlett's X2)		0.41	0.415	0.48	0.753	0.382	0.106	0.686

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

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Weed Code	harv 3 LYPES	harv 3 LYPES	harv 3 LYPES	harv 3 LYPES	harv 3 LYPES	harv 3 LYPES	harv 3 LYPES	harv 4 LYPES	
Crop Code	jumbo	large	large	medium	medium	small	small	jumbo	
Rating Data Type	wt/lbs	#	wt/lbs	#	wt/lbs	#	wt/lbs	#	
Rating Unit	Jun-06-07	Jun-06-07	Jun-06-07	Jun-06-07	Jun-06-07	Jun-06-07	Jun-06-07	Jun-13-07	
Rating Date	100 DA-A	100 DA-A	100 DA-A	100 DA-A	100 DA-A	100 DA-A	100 DA-A	107 DA-A	
Assessed By	ARM Action Codes								
Trt-Eval Interval									
ARM Action Codes									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
		Unit	Unit	Unit	Unit	Unit	Unit	Unit	
		67	68	69	70	71	72	73	
		74							
1	No Fumigant LDPE 1.25 mil	3 bc	5 a	2 a	2 a	0 a	3 a	1 a	26 a
2	3 WAY 12 fb 150 fb 75 LDPE 1.25 mil	4 abc	5 a	2 a	4 a	1 a	3 a	1 a	23 a
3	3 WAY 12 fb 150 fb 75 VIF 1.25 mil Blocade	3 bc	6 a	2 a	4 a	1 a	3 a	1 a	20 a
4	Pic Chlor 60 @ 21 G Vapam 75 G LDPE 1.25 mil	4 ab	7 a	2 a	4 a	1 a	3 a	0 a	23 a
5	Pic Chlor 60 @ 21 G Vapam 75 G VIF 1.25 mil Blocade	2 c	4 a	1 a	4 a	1 a	2 a	0 a	25 a
6	3 WAY 9 fb 113 fb 56 LDPE 1.25 mil	4 abc	7 a	2 a	3 a	1 a	2 a	0 a	30 a
7	3 WAY 9 fb 113 fb 56 VIF 1.25 mil Blocade	3 abc	6 a	2 a	3 a	1 a	2 a	0 a	31 a
8	Pic Chlor 60 @ 15.8 G Vapam 56 G LDPE 1.25 mil	5 a	6 a	2 a	3 a	1 a	2 a	0 a	28 a
9	Pic Chlor 60 @ 15.8 G Vapam 56 G VIF 1.25 mil Blocade	4 abc	6 a	2 a	2 a	1 a	2 a	0 a	24 a
LSD (P=.05)		1.8	3.7	1.3	2.1	0.5	2.2	0.4	11.0
Standard Deviation		1.2	2.5	0.9	1.5	0.4	1.5	0.3	7.6
CV		34.77	44.43	43.46	48.96	46.51	64.24	56.95	29.63
Bartlett's X2		6.718	8.877	9.072	4.641	3.778	6.13	14.684	3.059
P(Bartlett's X2)		0.567	0.353	0.336	0.795	0.877	0.633	0.066	0.931

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

University of Georgia

Weed Code	harv 4 LYPES	harv 4 LYPES	harv 4 LYPES	harv 4 LYPES	harv 4 LYPES	harv 4 LYPES	harv 4 LYPES	harv 5 LYPES	
Crop Code	jumbo	large	large	medium	medium	small	small	jumbo	
Rating Data Type	wt/lbs	#	wt.lbs	#	wt.lbs	#	wt/lbs	#	
Rating Unit	Jun-13-07	Jun-13-07	Jun-13-07	Jun-13-07	Jun-13-07	Jun-13-07	Jun-13-07	Jun-19-07	
Rating Date	107 DA-A	107 DA-A	107 DA-A	107 DA-A	107 DA-A	107 DA-A	107 DA-A	113 DA-A	
Assessed By	ARM Action Codes								
Trt-Eval Interval									
ARM Action Codes									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
Rate Unit	Rate Unit	75	76	77	78	79	80	81	82
1	No Fumigant LDPE 1.25 mil	14 a	8 a	3 a	7 ab	2 a	7 a	1 a	74 b
2	3 WAY 12 fb 150 fb 75 LDPE 1.25 mil	14 a	9 a	3 a	4 b	1 a	8 a	1 a	67 b
3	3 WAY 12 fb 150 fb 75 VIF 1.25 mil Blocade	11 a	14 a	5 a	8 ab	2 a	11 a	2 a	68 b
4	Pic Chlor 60 @ 21 G Vapam 75 G LDPE 1.25 mil	12 a	12 a	4 a	5 ab	1 a	9 a	1 a	82 ab
5	Pic Chlor 60 @ 21 G Vapam 75 G VIF 1.25 mil Blocade	13 a	15 a	5 a	9 a	2 a	8 a	1 a	72 b
6	3 WAY 9 fb 113 fb 56 LDPE 1.25 mil	17 a	12 a	4 a	6 ab	2 a	7 a	1 a	92 ab
7	3 WAY 9 fb 113 fb 56 VIF 1.25 mil Blocade	16 a	12 a	4 a	8 ab	2 a	9 a	1 a	79 ab
8	Pic Chlor 60 @ 15.8 G Vapam 56 G LDPE 1.25 mil	15 a	12 a	4 a	7 ab	2 a	6 a	1 a	103 a
9	Pic Chlor 60 @ 15.8 G Vapam 56 G VIF 1.25 mil Blocade	13 a	15 a	5 a	9 a	2 a	10 a	1 a	89 ab
LSD (P=.05)		6.6	5.9	2.3	4.3	1.2	4.6	0.8	22.8
Standard Deviation		4.5	4.1	1.5	2.9	0.8	3.2	0.6	15.7
CV		32.61	33.61	35.65	42.75	48.89	38.21	48.54	19.46
Bartlett's X2		7.318	6.143	6.464	3.764	7.293	9.559	10.99	7.325
P(Bartlett's X2)		0.503	0.631	0.595	0.878	0.505	0.297	0.202	0.502

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

University of Georgia

Weed Code	harv 5 LYPES	harv 5 LYPES	harv 5 LYPES	harv 5 LYPES	harv 5 LYPES	harv 5 LYPES	harv 5 LYPES	harv 6 LYPES	
Crop Code	jumbo	large	large	medium	medium	small	small	jumbo	
Rating Data Type	wt/lbs	#	wt/lbs	#	wt/lbs	#	wt/lbs	#	
Rating Unit	Jun-19-07	Jun-19-07	Jun-19-07	Jun-19-07	Jun-19-07	Jun-19-07	Jun-19-07	Jun-27-07	
Rating Date	113 DA-A	113 DA-A	113 DA-A	113 DA-A	113 DA-A	113 DA-A	113 DA-A	121 DA-A	
Assessed By	ARM Action Codes								
Trt-Eval Interval									
ARM Action Codes									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
90	89	88	87	86	85	84	83		
1	No Fumigant LDPE 1.25 mil	42 bc	19 a	7 a	8 a	2 a	9 ab	1 ab	112 c
2	3 WAY 12 fb 150 fb 75 LDPE 1.25 mil	46 bc	16 a	6 a	6 a	2 a	6 b	1 ab	142 ab
3	3 WAY 12 fb 150 fb 75 VIF 1.25 mil Blocade	38 c	17 a	6 a	5 a	1 a	12 a	2 a	150 ab
4	Pic Chlor 60 @ 21 G Vapam 75 G LDPE 1.25 mil	53 abc	16 a	6 a	6 a	2 a	6 b	1 ab	139 b
5	Pic Chlor 60 @ 21 G Vapam 75 G VIF 1.25 mil Blocade	48 abc	11 a	4 a	7 a	2 a	8 ab	1 ab	146 ab
6	3 WAY 9 fb 113 fb 56 LDPE 1.25 mil	61 ab	15 a	5 a	7 a	2 a	8 ab	1 ab	135 bc
7	3 WAY 9 fb 113 fb 56 VIF 1.25 mil Blocade	51 abc	19 a	7 a	9 a	2 a	6 b	1 b	167 a
8	Pic Chlor 60 @ 15.8 G Vapam 56 G LDPE 1.25 mil	66 a	17 a	6 a	6 a	1 a	6 b	1 ab	155 ab
9	Pic Chlor 60 @ 15.8 G Vapam 56 G VIF 1.25 mil Blocade	55 abc	12 a	4 a	6 a	2 a	7 ab	1 ab	146 ab
LSD (P=.05)	16.5	9.4	3.8	3.6	1.1	5.0	0.7	22.9	
Standard Deviation	11.3	6.4	2.6	2.5	0.8	3.5	0.5	15.7	
CV	22.16	41.26	45.07	38.26	43.41	45.56	49.29	10.96	
Bartlett's X2	6.887	11.57	13.665	5.434	5.277	7.103	13.158	8.386	
P(Bartlett's X2)	0.549	0.171	0.091	0.71	0.728	0.526	0.107	0.397	

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

University of Georgia

Weed Code	harv 6 LYPES	harv 6 LYPES	harv 6 LYPES	harv 6 LYPES	harv 6 LYPES	harv1-3 LYPES	harv1-3 LYPES	harv 1-6 LYPES	
Crop Code	jumbo	large	large	med/sm	med/sm	jumbo	jumbo	jumbo	
Rating Data Type	wt/lbs	#	wt/lbs	#	wt/lbs	#	wt/lbs	#	
Rating Unit	Jun-27-07	Jun-27-07	Jun-27-07	Jun-27-07	Jun-27-07				
Rating Date	121 DA-A	121 DA-A	121 DA-A	121 DA-A	121 DA-A				
Assessed By									
Trt-Eval Interval						T5	T6	T7	
ARM Action Codes									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
		Unit	Unit	Unit	Unit	Unit	Unit	Unit	
1	No Fumigant LDPE 1.25 mil	65 b	70 a	29 a	11 a	2 a	34 b	16 bc	246 c
2	3 WAY 12 fb 150 fb 75 LDPE 1.25 mil	86 ab	65 ab	29 a	11 a	2 a	31 b	14 bc	263 bc
3	3 WAY 12 fb 150 fb 75 VIF 1.25 mil Blocade	92 ab	63 abc	27 a	8 a	1 a	31 b	13 c	268 bc
4	Pic Chlor 60 @ 21 G Vapam 75 G LDPE 1.25 mil	92 ab	69 ab	27 a	8 a	2 a	42 ab	19 ab	287 bc
5	Pic Chlor 60 @ 21 G Vapam 75 G VIF 1.25 mil Blocade	91 ab	58 a-d	25 ab	10 a	2 a	33 b	15 bc	274 bc
6	3 WAY 9 fb 113 fb 56 LDPE 1.25 mil	85 ab	42 d	18 c	8 a	2 a	41 ab	19 ab	297 abc
7	3 WAY 9 fb 113 fb 56 VIF 1.25 mil Blocade	106 a	51 bcd	23 abc	5 a	1 a	38 b	16 bc	315 ab
8	Pic Chlor 60 @ 15.8 G Vapam 56 G LDPE 1.25 mil	76 ab	41 d	17 c	5 a	1 a	52 a	23 a	338 a
9	Pic Chlor 60 @ 15.8 G Vapam 56 G VIF 1.25 mil Blocade	93 ab	46 cd	20 bc	7 a	1 a	37 b	16 bc	295 abc
LSD (P=.05)		27.9	16.7	6.6	6.3	1.5	11.8	5.0	46.1
Standard Deviation		19.1	11.4	4.5	4.3	1.0	8.1	3.4	31.6
CV		21.89	20.39	18.89	54.02	65.43	21.63	20.45	11.02
Bartlett's X2		14.002	6.427	7.304	19.676	20.931	8.928	13.498	13.263
P(Bartlett's X2)		0.082	0.599	0.504	0.012*	0.007*	0.348	0.096	0.103

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

Column 93: T5 = (([C56]+[C58]+[C66])

Column 94: T6 = (([C57]+[C59]+[C67])

Column 95: T7 = (([C56]+[C58]+[C66]+[C74]+[C82]+[C90])

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Weed Code	harv1-6	harv2-3	harv2-3	harv2-6	harv2-6	harv2-3	harv2-3	harv2-6	harv2-6	harv2-3	
Crop Code	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	
Rating Data Type	jumbo	large	large	large	large	medium	medium	medium	medium	small	
Rating Unit	wt/lbs	#	wt/lbs	#	wt/lbs	#	wt/lbs	#	wt/lbs	#	
Rating Date											
Assessed By											
Trt-Eval Interval											
ARM Action Codes	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	
Trt Treatment	Rate										
No. Name	Rate Unit	99	100	101	102	103	104	105	106	107	108
1 No Fumigant LDPE 1.25 mil		134 b	16 a	6 b	106 a	42 a	11 a	3 a	30 a	7 a	11 a
2 3 WAY 12 fb 150 fb 75 LDPE 1.25 mil		158 ab	19 a	7 ab	100 ab	42 a	11 a	3 a	28 a	7 a	12 a
3 3 WAY 12 fb 150 fb 75 VIF 1.25 mil Blocade		151 ab	26 a	9 a	106 a	42 a	15 a	4 a	28 a	7 a	17 a
4 Pic Chlor 60 @ 21 G Vapam 75 G LDPE 1.25 mil		172 ab	24 a	8 ab	108 a	41 a	12 a	3 a	27 a	6 a	13 a
5 Pic Chlor 60 @ 21 G Vapam 75 G VIF 1.25 mil Blocade		166 ab	24 a	8 ab	92 ab	37 ab	17 a	4 a	33 a	8 a	13 a
6 3 WAY 9 fb 113 fb 56 LDPE 1.25 mil		178 ab	26 a	9 a	83 b	33 b	13 a	3 a	28 a	7 a	11 a
7 3 WAY 9 fb 113 fb56 VIF 1.25 mil Blocade		186 a	25 a	8 ab	95 ab	38 ab	16 a	4 a	30 a	7 a	13 a
8 Pic Chlor 60 @ 15.8 G Vapam 56 G LDPE 1.25 mil		175 ab	25 a	9 ab	83 b	32 b	14 a	4 a	24 a	6 a	12 a
9 Pic Chlor 60 @ 15.8 G Vapam 56 G VIF 1.25 mil Blocade		174 ab	25 a	9 ab	82 b	32 b	16 a	4 a	28 a	7 a	13 a
LSD (P=.05)		41.0	8.8	3.1	19.7	7.4	5.7	1.6	7.8	2.2	5.4
Standard Deviation		28.1	6.0	2.1	13.5	5.1	3.9	1.1	5.4	1.5	3.7
CV		16.94	25.9	26.59	14.28	13.47	28.26	30.64	18.92	21.62	29.24
Bartlett's X2		14.654	6.08	3.195	7.229	5.255	5.896	7.787	21.292	14.414	10.155
P(Bartlett's X2)		0.066	0.638	0.921	0.512	0.73	0.659	0.455	0.006*	0.072	0.254

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

Column 96: T8 = ([C57]+[C59]+[C65]+[C75]+[C83]+[C91])

Column 97: T9 = ([C60]+[C68]+[C76])

Column 98: T10 = ([C61]+[C69]+[C77])

Column 99: T11 = ([C60]+[C68]+[C76]+[C84]+[C92])

Column 100: T12 = ([C61]+[C69]+[C77]+[C85]+[C93])

Column 101: T13 = ([C62]+[C70]+[C78])

Column 102: T14 = ([C63]+[C71]+[C79])

Column 103: T15 = ([C62]+[C70]+[C78]+[C86]+[C94])

Column 104: T16 = ([C63]+[C71]+[C79]+[C87]+[C95])

Column 105: T17 = ([C64]+[C72]+[C80])

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Weed Code	harv2-3 LYPES small wt/lbs	harv2-6 LYPES small #	harv2-6 LYPES small wt/lbs	harv 1 SOLME #	harv 1 SOLME wt/lbs	harv 2 SOLME #	harv 2 SOLME wt/lbs	harv 3 SOLME #									
Crop Code																	
Rating Data Type																	
Rating Unit																	
Rating Date				Jun-03-07	Jun-03-07	Jun-08-07	Jun-08-07	Jun-15-07									
Assessed By																	
Trt-Eval Interval				97 DA-A	97 DA-A	102 DA-A	102 DA-A	109 DA-A									
ARM Action Codes	T18	T19	T20														
Trt No.	Treatment Name	Rate	Rate Unit	109	110	111	112	113	114	115	116						
1	No Fumigant LDPE 1.25 mil	2	a	31	ab	5	a	3	bcd	3	b	9	a	11	a	24	ab
2	3 WAY 12 fb 150 fb 75 LDPE 1.25 mil	2	a	30	ab	5	a	4	a-d	4	b	10	a	13	a	22	b
3	3 WAY 12 fb 150 fb 75 VIF 1.25 mil Blocade	3	a	37	a	6	a	4	a-d	4	b	10	a	12	a	20	b
4	Pic Chlor 60 @ 21 G Vapam 75 G LDPE 1.25 mil	2	a	27	ab	4	a	6	a	7	a	13	a	16	a	26	ab
5	Pic Chlor 60 @ 21 G Vapam 75 G VIF 1.25 mil Blocade	2	a	31	ab	5	a	2	cd	2	b	12	a	14	a	27	ab
6	3 WAY 9 fb 113 fb 56 LDPE 1.25 mil	2	a	26	ab	4	a	1	d	2	b	11	a	13	a	32	a
7	3 WAY 9 fb 113 fb 56 VIF 1.25 mil Blocade	2	a	24	b	3	a	3	bcd	3	b	11	a	14	a	32	a
8	Pic Chlor 60 @ 15.8 G Vapam 56 G LDPE 1.25 mil	2	a	22	b	4	a	5	ab	5	ab	10	a	13	a	31	a
9	Pic Chlor 60 @ 15.8 G Vapam 56 G VIF 1.25 mil Blocade	2	a	27	ab	4	a	4	abc	5	ab	10	a	13	a	24	ab
LSD (P=.05)		1.1		10.0		2.1		2.2		2.9		4.2		5.9		7.5	
Standard Deviation		0.7		6.9		1.4		1.5		2.0		2.9		4.0		5.1	
CV		38.93		24.36		31.84		45.55		50.22		27.99		30.36		19.61	
Bartlett's X2		11.895		14.152		17.035		11.636		9.797		4.009		3.177		3.887	
P(Bartlett's X2)		0.156		0.078		0.03*		0.168		0.28		0.856		0.923		0.867	

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

Column 106: T18 = ([C65]+[C73]+[C81])

Column 107: T19 = ([C64]+[C72]+[C80]+[C88]+[C94])

Column 108: T20 = ([C65]+[C73]+[C81]+[C89]+[C95])

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Weed Code	harv 3 SOLME wt/lbs	harv 4 SOLME #	harv 4 SOLME wt/lbs	harv 5 SOLME #	harv 5 SOLME wt/lbs	harv 6 SOLME #	harv 6 SOLME wt/lbs	harv1-3 SOLME #
Crop Code								
Rating Data Type								
Rating Unit								
Rating Date	Jun-15-07	Jun-21-07	Jun-21-07	Jun-29-07	Jun-29-07	Jul-06-07	Jul-06-07	
Assessed By								
Trt-Eval Interval	109 DA-A	115 DA-A	115 DA-A	123 DA-A	123 DA-A	130 DA-A	130 DA-A	
ARM Action Codes								T21
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate
		Unit	Unit	Unit	Unit	Unit	Unit	Unit
		117	118	119	120	121	122	123
		124						
1	No Fumigant LDPE 1.25 mil	34 abc	37 c	58 d	13 a	21 a	14 b	21 a
2	3 WAY 12 fb 150 fb 75 LDPE 1.25 mil	32 bc	43 bc	68 cd	21 a	34 a	22 ab	36 a
3	3 WAY 12 fb 150 fb 75 VIF 1.25 mil Blocade	28 c	51 ab	73 bc	13 a	22 a	25 a	9878 a
4	Pic Chlor 60 @ 21 G Vapam 75 G LDPE 1.25 mil	37 abc	50 ab	77 abc	15 a	25 a	24 a	41 a
5	Pic Chlor 60 @ 21 G Vapam 75 G VIF 1.25 mil Blocade	39 abc	46 bc	77 abc	20 a	35 a	25 a	37 a
6	3 WAY 9 fb 113 fb 56 LDPE 1.25 mil	46 a	51 ab	78 abc	17 a	29 a	22 ab	38 a
7	3 WAY 9 fb 113 fb 56 VIF 1.25 mil Blocade	45 a	48 abc	85 ab	18 a	31 a	25 a	42 a
8	Pic Chlor 60 @ 15.8 G Vapam 56 G LDPE 1.25 mil	45 ab	60 a	89 a	15 a	24 a	21 ab	33 a
9	Pic Chlor 60 @ 15.8 G Vapam 56 G VIF 1.25 mil Blocade	39 abc	52 ab	77 abc	14 a	23 a	30 a	50 a
	LSD (P=.05)	11.1	11.1	12.2	8.7	14.7	9.4	9570.0
	Standard Deviation	7.6	7.6	8.4	5.9	10.1	6.5	6557.2
	CV	19.75	15.65	11.08	37.01	37.19	28.14	579.83
	Bartlett's X2	4.224	5.859	7.697	14.136	15.61	14.056	277.318
	P(Bartlett's X2)	0.836	0.663	0.464	0.078	0.048*	0.08	0.001*
								7.5
								5.1
								12.87
								6.765
								0.562

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

Column 121: T21 = ([C112]+[C114]+[C116])

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Weed Code	harv1-3 SOLME wt/lbs	harv1-6 SOLME #	harv1-6 SOLME wt/lbs	nematode LYPES root knot	nematode LYPES stubby root	nematode LYPES ring	
Crop Code				Jul-03-07	Jul-03-07	Jul-03-07	
Rating Data Type				127 DA-A	127 DA-A	127 DA-A	
Rating Unit							
Rating Date							
Assessed By							
Trt-Eval Interval							
ARM Action Codes	T22	T23	T24				
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	
Unit	Rate Unit	125	126	127	128	129	
130							
1	No Fumigant LDPE 1.25 mil	48 cd	99 b	149 a	7 a	1 a	29 a
2	3 WAY 12 fb 150 fb 75 LDPE 1.25 mil	50 bcd	121 ab	188 a	19 a	3 a	4 b
3	3 WAY 12 fb 150 fb 75 VIF 1.25 mil Blocade	44 d	121 ab	10017 a	6 a	3 a	0 b
4	Pic Chlor 60 @ 21 G Vapam 75 G LDPE 1.25 mil	60 abc	133 a	204 a	2 a	2 a	0 b
5	Pic Chlor 60 @ 21 G Vapam 75 G VIF 1.25 mil Blocade	55 a-d	131 a	205 a	3 a	4 a	0 b
6	3 WAY 9 fb 113 fb 56 LDPE 1.25 mil	61 ab	133 a	206 a	6 a	1 a	0 b
7	3 WAY 9 fb 113 fb 56 VIF 1.25 mil Blocade	63 a	137 a	221 a	12 a	1 a	1 b
8	Pic Chlor 60 @ 15.8 G Vapam 56 G LDPE 1.25 mil	63 a	141 a	209 a	7 a	2 a	1 b
9	Pic Chlor 60 @ 15.8 G Vapam 56 G VIF 1.25 mil Blocade	57 abc	133 a	206 a	7 a	1 a	0 b
LSD (P=.05)		11.0	21.4	9572.3	15.9	4.0	4.8
Standard Deviation		7.5	14.7	6558.7	10.9	2.7	3.3
CV		13.55	11.53	508.68	145.64	162.79	84.98
Bartlett's X2		6.494	9.928	250.054	20.922	19.342	6.414
P(Bartlett's X2)		0.592	0.27	0.001*	0.007*	0.013*	0.093

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

Column 122: T22 = ([C113]+[C115]+[C117])

Column 123: T23 = ([C112]+[C114]+[C116]+[C118]+[C120]+[C122])

Column 124: T24 = ([C113]+[C115]+[C117]+[C119]+[C121]+[C123])

University of Georgia

Comparing the UGA 3-WAY to Pic Chlor 60 followed by Vapam for weed control and yield of tomato and eggplant.

Trial ID: Veg20-07(spring) Study Dir.: Stanley Culpepper
 Location: Ponder 5141 Investigator: Stanley Culpepper

GENERAL TRIAL INFORMATION

Study Director: Davis, Culpepper **Title:** Ext. weed science
Affiliation: Univ. of Georgia
Postal Code: 31794

Investigator: Stanley Culpepper **Title:** Ext. weed science
Affiliation: Univ. of Georgia
Postal Code: 31794

TRIAL LOCATION

City: Ty Ty **Trial Status:** completed
State/Prov.: Georgia **Trial Reliability:** good
Postal Code: 31795 **Initiation Date:** Feb-26-08
Country: USA **Planned Completion Date:** _____
E-Longitude of LL Corner °: _____ **N-Latitude of LL Corner °:** _____
Altitude of LL Corner: _____ **Unit:** _____ **Angle y-axis to North °:** _____
Directions:

COOPERATOR/LANDOWNER

Cooperator: _____ **Country:** _____
Org: _____ **Phone No:** _____
Address 1: _____ **Fax No:** _____
Address 2: _____
City: _____
State/Prov: _____
Postal Code: _____

Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N
Guidelines: _____ **Guideline Description:** _____

Objective:

Conclusions:

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.	CYPZZ	yellow and purple nutsedge	

Crop 1: LYPES tomato **Variety:** Amelia
Planting Date: Mar-22-07 **Planting Method:** transplant
Rate: 1 18 inch **Depth:** 1 in **Perennial Age:** _____
Row Spacing: 6 ft **Spacing Within Row:** 18 in **Seed Bed:** mulch
Soil Temperature: 78 f **Soil Moisture:** drip **Emergence Date:** _____

Crop 2: SOLME eggplant **Variety:** Santana
Planting Date: Mar-22-07 **Planting Method:** transplant
Rate: 1 18 inch **Depth:** 1 in **Perennial Age:** _____
Row Spacing: 6 ft **Spacing Within Row:** 18 in **Seed Bed:** mulch
Soil Temperature: 78 f **Soil Moisture:** drip **Emergence Date:** _____

SITE AND DESIGN

Plot Width, Unit: 6 FT **Plot Length, Unit:** 50 FT **Reps:** 4
Site Type: Ponder Farm
Tillage Type: Conventional **Study Design:** RANDOMIZED COMPLETE BLOCK

Trial Initiation Comments:

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	Previous Crops	Previous Pesticides	Year
1.			

MAINTENANCE

Field Prep./Maintenance:

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

SOIL DESCRIPTION

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

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

Overall Moisture Conditions: _____

Closest Weather Station: _____ Distance: _____ Unit: _____

APPLICATION DESCRIPTION

	A
Application Date:	Feb-26-07
Time of Day:	5 pm
Application Method:	band
Application Timing:	preplant
Applic. Placement:	shank inj
Air Temp., Unit:	65 f
% Relative Humidity:	42
Wind Velocity, Unit:	0 MPH
Dew Presence (Y/N):	n
Water Hardness:	
Soil Temp., Unit:	58 f
Soil Moisture:	moist
% Cloud Cover:	0

CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	LYPES preplant
Stage Scale:	not up
Height, Unit:	0 in
Crop 2 Code, Stage:	SOLME preplant
Stage Scale:	not up
Height, Unit:	0 in

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WEED STAGE AT EACH APPLICATION

	A
Weed 1 Code, Stage:	CYPZZ preplant
Stage Scale:	not up
Density, Unit:	0 inch

APPLICATION EQUIPMENT

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

Trt No	Treatment Application Comment