



## University of Georgia

5. Value of cucumber were not different among treatments. When comparing to MB: 3-Way = 110% in value of MB; MIDAS = 107% in value of MB; DMDS = 99.4% in value of MB.

### RETURNS FOR BOTH THE PEPPER AND CUCUMBER CROP:

1. These returns were calculated by adding the value of the pepper crop, the value of the cucumber crop, and subtracting the cost of mulch and the fumigant (costs for DMDS are assuming the same costs as the 3-WAY). No production costs are included thus these values are not suggesting net returns.
2. Value from both crops minus fumigant and mulch cost noted greater value with MB and the 3-WAY systems than with MIDAS or DMDS systems. When compared to MB: 3-WAY = 101% in value of MB; MIDAS equalled 95% in value of MB; and DMDS = 95% in value of MB.

### GENERAL COMMENTS:

1. Individual plots were 0.12792 acres of treated land.
2. Trial initiated on Jan 27, 2007. Took 6 hours to put all treatments out. Soil temp at 8 inch was 55 F and 61 F at 4 inch. Soil moisture was 68% at 12 inch and 60% at 8 inch.

# University of Georgia

## 2007 Large Acreage Replicated On Farm MB Alternative Trial.

Trial ID: Veg44-07

Study Dir.: Bill Brim

Location: Lewis Taylor Farms

Investigator: Stanley Culpepper

Weed Code	plant 1	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7	
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	
Part Rated	Front	Front	Front	Front	Front	Front	Front	
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	
Rating Date	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	
Crop Stage	Bed 1	Bed 1	Bed 1	Bed 1	Bed 1	Bed 1	Bed 1	
Assessed By								
Trt-Eval Interval	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	
ARM Action Codes								
Trt Treatment	Rate							
No. Name	Rate Unit	1	2	3	4	5	6	7
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch		32 a	29 b	32 a	35 a	50 a	35 a	34 a
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch		47 a	45 a	47 a	45 a	39 ab	39 a	33 a
3 DMDS 71.3 G/A BC LDPE MULCH		35 a	35 ab	32 a	39 a	46 ab	44 a	42 a
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch		30 a	40 ab	43 a	35 a	28 b	51 a	50 a
LSD (P=.05)		20.7	12.1	15.7	25.9	19.3	18.6	21.0
Standard Deviation		12.9	7.6	9.8	16.2	12.1	11.6	13.2
CV		35.94	20.45	25.6	42.05	29.63	27.57	33.08
Bartlett's X2		1.29	1.323	0.304	3.056	1.769	3.765	2.589
P(Bartlett's X2)		0.732	0.724	0.959	0.383	0.622	0.288	0.459

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

## University of Georgia

Weed Code	plant 8	plant 9	plant 10	plant 11	plant 12	plant 13	plant 14	
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	
Part Rated	Front	Front	Front	Front	Front	Front	Front	
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	
Rating Date	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	
Crop Stage	Bed 1	Bed 1	Bed 1	Bed 1	Bed 1	Bed 1	Bed 1	
Assessed By								
Trt-Eval Interval	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	
ARM Action Codes								
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	
		Unit	Unit	Unit	Unit	Unit	Unit	
		8	9	10	11	12	13	
		14						
1	MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	33 a	47 a	42 a	44 a	38 a	29 a	32 a
2	MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	47 a	42 a	45 a	47 a	50 a	46 a	51 a
3	DMDS 71.3 G/A BC LDPE MULCH	35 a	36 a	43 a	38 a	47 a	33 a	45 a
4	Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	38 a	43 a	29 a	39 a	39 a	37 a	37 a
LSD (P=.05)		25.2	31.7	26.3	28.7	24.6	27.7	19.7
Standard Deviation		15.8	19.8	16.5	18.0	15.4	17.3	12.3
CV		41.33	47.22	41.48	42.68	35.52	47.86	29.9
Bartlett's X2		6.263	2.276	2.058	2.638	4.976	0.831	1.579
P(Bartlett's X2)		0.099	0.517	0.561	0.451	0.174	0.842	0.664

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

# University of Georgia

Weed Code	plant 15	plant 16	plant 17	plant 18	plant 19	plant 20	plant av	
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	
Part Rated	Front	Front	Front	Front	Front	Front	Front	
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	
Rating Date	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	
Crop Stage	Bed 1	Bed 1	Bed 1	Bed 1	Bed 1	Bed 1	Bed 1	
Assessed By								
Trt-Eval Interval	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	
ARM Action Codes							T1	
Trt Treatment	Rate							
No. Name	Rate Unit	15	16	17	18	19	20	21
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch		31 a	32 a	47 a	31 ab	38 a	44 a	37 a
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch		46 a	52 a	43 a	23 b	43 a	61 a	45 a
3 DMDS 71.3 G/A BC LDPE MULCH		50 a	44 a	47 a	48 a	48 a	47 a	42 a
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch		36 a	41 a	38 a	42 ab	39 a	40 a	39 a
LSD (P=.05)		30.1	34.6	21.8	20.0	26.0	26.5	13.6
Standard Deviation		18.8	21.6	13.6	12.5	16.3	16.5	8.5
CV		46.12	51.29	31.41	34.53	38.61	34.69	21.09
Bartlett's X2		0.772	2.31	1.814	8.37	0.414	0.669	3.238
P(Bartlett's X2)		0.856	0.511	0.612	0.039*	0.937	0.88	0.356

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

Column 21: T1 = @AVG([C1].[C20])

## University of Georgia

Weed Code	plant 1	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7								
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA								
Part Rated	Front	Front	Front	Front	Front	Front	Front								
Rating Data Type	ht	ht	ht	ht	ht	ht	ht								
Rating Unit	cm	cm	cm	cm	cm	cm	cm								
Rating Date	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07								
Crop Stage	Bed 2	Bed 2	Bed 2	Bed 2	Bed 2	Bed 2	Bed 2								
Assessed By															
Trt-Eval Interval	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A								
ARM Action Codes															
Trt No.	Treatment Name	Rate	Unit	22	23	24	25	26	27	28					
1	MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	34	a	38	a	41	a	42	a	30	a	34	a	42	a
2	MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	32	a	36	a	38	a	50	a	36	a	40	a	45	a
3	DMDS 71.3 G/A BC LDPE MULCH	34	a	46	a	50	a	45	a	33	a	40	a	33	a
4	Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	43	a	50	a	40	a	32	a	40	a	41	a	37	a
LSD (P=.05)		25.6		19.9		19.3		18.0		20.2		30.0		23.6	
Standard Deviation		16.0		12.5		12.1		11.3		12.7		18.7		14.7	
CV		45.03		29.54		28.66		26.83		36.74		48.6		37.6	
Bartlett's X2		4.181		1.107		2.024		2.877		0.588		0.153		1.104	
P(Bartlett's X2)		0.243		0.775		0.567		0.411		0.899		0.985		0.776	

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

## University of Georgia

Weed Code	plant 8	plant9	plant 10	plant 11	plant 12	plant 13	plant 14	
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	
Part Rated	Front	Front	Front	Front	Front	Front	Front	
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	
Rating Date	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	
Crop Stage	Bed 2	Bed 2	Bed 2	Bed 2	Bed 2	Bed 2	Bed 2	
Assessed By								
Trt-Eval Interval	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	
ARM Action Codes								
Trt Treatment	Rate							
No. Name	Rate Unit	29	30	31	32	33	34	35
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch		42 a	37 a	41 a	39 a	47 a	37 ab	40 a
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch		32 a	33 a	43 a	32 a	41 a	38 ab	37 a
3 DMDS 71.3 G/A BC LDPE MULCH		37 a	40 a	41 a	36 a	35 a	28 b	40 a
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch		31 a	28 a	39 a	41 a	37 a	53 a	46 a
LSD (P=.05)		18.7	21.7	25.7	24.2	27.2	20.8	18.2
Standard Deviation		11.7	13.5	16.1	15.1	17.0	13.0	11.4
CV		33.05	39.24	39.29	40.89	42.66	33.48	27.95
Bartlett's X2		0.13	0.306	1.523	2.641	0.295	1.109	4.819
P(Bartlett's X2)		0.988	0.959	0.677	0.45	0.961	0.775	0.186

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

## University of Georgia

Weed Code	plant 15	plant 16	plant 17	plant 18	plant 19	plant 20	plant av
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA
Part Rated	Front	Front	Front	Front	Front	Front	Front
Rating Data Type	ht	ht	ht	ht	ht	ht	ht
Rating Unit	cm	cm	cm	cm	cm	cm	cm
Rating Date	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07
Crop Stage	Bed 2	Bed 2	Bed 2	Bed 2	Bed 2	Bed 2	Bed 2
Assessed By							
Trt-Eval Interval	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A
ARM Action Codes							T2
Trt Treatment	Rate						
No. Name	Rate Unit						
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	30 a	41 ab	42 a	46 a	42 a	43 a	39 a
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	31 a	47 a	48 a	49 a	45 a	43 a	40 a
3 DMDS 71.3 G/A BC LDPE MULCH	47 a	29 b	31 a	42 a	42 a	40 a	38 a
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	47 a	46 ab	49 a	36 a	30 a	38 a	40 a
LSD (P=.05)	20.7	16.8	20.3	25.8	16.9	13.2	10.0
Standard Deviation	12.9	10.5	12.7	16.1	10.6	8.3	6.3
CV	33.69	25.86	29.98	37.29	26.81	20.1	15.98
Bartlett's X2	2.39	2.164	1.603	0.589	1.383	0.212	0.3
P(Bartlett's X2)	0.495	0.539	0.659	0.899	0.71	0.976	0.96

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

Column 42: T2 = @AVG([C22].[C41])



## University of Georgia

Weed Code	plant 1	plant 2	plant 3	plant4	plant 5	plant 6	plant 7
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA
Part Rated	Front	Front	Front	Front	Front	Front	Front
Rating Data Type	ht	ht	ht	ht	ht	ht	ht
Rating Unit	cm	cm	cm	cm	cm	cm	cm
Rating Date	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07
Crop Stage	Bed 3	Bed 3	Bed 3	Bed 3	Bed 3	Bed 3	Bed 3
Assessed By							
Trt-Eval Interval	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A
ARM Action Codes							
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate
		Unit	Unit	Unit	Unit	Unit	Unit
		43	44	45	46	47	48
		49					
1	MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	35 a	36 a	38 a	29 a	37 a	38 a
2	MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	36 a	37 a	35 a	35 a	32 a	35 a
3	DMDS 71.3 G/A BC LDPE MULCH	33 a	32 a	24 a	40 a	24 a	36 a
4	Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	21 a	30 a	28 a	25 a	27 a	39 a
	LSD (P=.05)	27.3	24.8	19.5	20.8	21.3	18.4
	Standard Deviation	17.0	15.5	12.2	13.0	13.3	11.5
	CV	54.87	46.06	39.4	40.44	44.52	31.18
	Bartlett's X2	6.766	1.168	6.376	2.747	7.075	2.872
	P(Bartlett's X2)	0.08	0.761	0.095	0.432	0.07	0.412

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

## University of Georgia

Weed Code	plant 8	plant 9	plant 10	plant 11	plant 12	plant 13	plant 14
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA
Part Rated	Front	Front	Front	Front	Front	Front	Front
Rating Data Type	ht	ht	ht	ht	ht	ht	ht
Rating Unit	cm	cm	cm	cm	cm	cm	cm
Rating Date	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07
Crop Stage	Bed 3	Bed 3	Bed 3	Bed 3	Bed 3	Bed 3	Bed 3
Assessed By							
Trt-Eval Interval	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A
ARM Action Codes							
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate
		Unit	Unit	Unit	Unit	Unit	Unit
		50	51	52	53	54	55
1	MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	29 a	45 a	37 a	39 a	34 a	42 a
2	MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	38 a	33 a	32 a	31 a	36 a	40 a
3	DMDS 71.3 G/A BC LDPE MULCH	40 a	47 a	47 a	43 a	36 a	34 a
4	Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	30 a	26 a	28 a	24 a	25 a	28 a
	LSD (P=.05)	14.1	20.6	29.6	27.5	30.6	19.8
	Standard Deviation	8.8	12.9	18.5	17.2	19.1	12.4
	CV	25.87	34.17	51.51	50.42	58.55	34.55
	Bartlett's X2	3.413	0.35	1.052	0.395	1.881	5.012
	P(Bartlett's X2)	0.332	0.95	0.789	0.941	0.597	0.171

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

## University of Georgia

Weed Code	plant 15	plant16	plant 17	plant 18	plant 19	plant 20	plant av	
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	
Part Rated	Front	Front	Front	Front	Front	Front	Front	
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	
Rating Date	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	
Crop Stage	Bed 3	Bed 3	Bed 3	Bed 3	Bed 3	Bed 3	Bed 3	
Assessed By								
Trt-Eval Interval	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	
ARM Action Codes							T3	
Trt Treatment	Rate							
No. Name	Rate Unit	57	58	59	60	61	62	63
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch		36 a	27 b	41 ab	40 ab	43 a	42 a	37 a
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch		43 a	32 ab	29 ab	46 a	34 a	42 a	35 a
3 DMDS 71.3 G/A BC LDPE MULCH		37 a	43 a	46 a	44 a	52 a	36 a	38 a
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch		27 a	29 ab	28 b	24 b	32 a	25 a	27 a
LSD (P=.05)		20.5	13.8	15.8	17.1	23.3	21.7	10.8
Standard Deviation		12.8	8.6	9.9	10.7	14.6	13.6	6.8
CV		35.68	26.43	27.52	27.87	36.27	37.75	19.69
Bartlett's X2		0.088	2.772	3.642	7.798	3.613	4.805	3.17
P(Bartlett's X2)		0.993	0.428	0.303	0.05	0.306	0.187	0.366

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

Column 63: T3 = @AVG([C43].[C62])

## University of Georgia

Weed Code	plant 1	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA
Part Rated	Back	Back	Back	Back	Back	Back	Back
Rating Data Type	ht	ht	ht	ht	ht	ht	ht
Rating Unit	cm	cm	cm	cm	cm	cm	cm
Rating Date	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07
Crop Stage	Bed 1	Bed 1	Bed 1	Bed 1	Bed 1	Bed 1	Bed 1
Assessed By							
Trt-Eval Interval	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A
ARM Action Codes							
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate
		Unit	Unit	Unit	Unit	Unit	Unit
		64	65	66	67	68	70
1	MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	39 a	52 a	44 b	55 a	41 a	37 b
2	MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	55 a	64 a	66 a	48 a	48 a	60 a
3	DMDS 71.3 G/A BC LDPE MULCH	42 a	46 a	39 b	43 a	44 a	51 ab
4	Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	53 a	52 a	39 b	42 a	44 a	60 a
	LSD (P=.05)	20.9	20.0	17.4	18.6	25.1	19.6
	Standard Deviation	13.1	12.5	10.9	11.7	15.7	12.2
	CV	27.78	23.42	23.18	24.82	35.6	23.59
	Bartlett's X2	0.261	1.65	3.449	3.11	0.307	1.966
	P(Bartlett's X2)	0.967	0.648	0.327	0.375	0.959	0.579

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

## University of Georgia

Weed Code	plant 8	plant 9	plant 10	plant 11	plant 12	plant 13	plant 14
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA
Part Rated	Back	Back	Back	Back	Back	Back	Back
Rating Data Type	ht	ht	ht	ht	ht	ht	ht
Rating Unit	cm	cm	cm	cm	cm	cm	cm
Rating Date	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07
Crop Stage	Bed 1	Bed 1	Bed 1	Bed 1	Bed 1	Bed 1	Bed 1
Assessed By							
Trt-Eval Interval	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A
ARM Action Codes							
Trt Treatment	Rate						
No. Name	Rate Unit	71	72	73	74	75	76
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch		58 a	42 a	42 a	46 a	55 ab	53 a
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch		49 a	48 a	59 a	47 a	55 ab	51 a
3 DMDS 71.3 G/A BC LDPE MULCH		51 a	39 a	52 a	62 a	62 a	61 a
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch		45 a	45 a	47 a	44 a	42 b	48 a
LSD (P=.05)		23.3	25.9	24.4	31.9	16.2	21.2
Standard Deviation		14.5	16.2	15.2	19.9	10.1	13.3
CV		28.73	37.2	30.6	40.19	18.9	25.0
Bartlett's X2		0.16	0.385	5.174	7.208	2.621	2.278
P(Bartlett's X2)		0.984	0.943	0.159	0.066	0.454	0.517

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

## University of Georgia

Weed Code	plant 15	plant 16	plant 17	plant 18	plant 19	plant 20	plant av	
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	
Part Rated	Back	Back	Back	Back	Back	Back	Back	
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	
Rating Date	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	
Crop Stage	Bed 1	Bed 1	Bed 1	Bed 1	Bed 1	Bed 1	Bed 1	
Assessed By								
Trt-Eval Interval	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	
ARM Action Codes							T4	
Trt Treatment	Rate							
No. Name	Rate Unit	78	79	80	81	82	83	84
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch		40 b	42 a	38 a	47 a	46 a	52 a	47 a
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch		51 ab	51 a	55 a	51 a	41 a	50 a	52 a
3 DMDS 71.3 G/A BC LDPE MULCH		64 a	42 a	36 a	47 a	48 a	52 a	49 a
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch		64 a	55 a	53 a	34 a	39 a	52 a	48 a
LSD (P=.05)		20.8	27.7	18.2	30.3	25.7	10.7	8.1
Standard Deviation		13.0	17.3	11.4	19.0	16.1	6.7	5.1
CV		23.73	36.51	25.15	42.65	36.85	12.93	10.41
Bartlett's X2		8.225	3.734	3.481	4.745	2.113	6.958	6.416
P(Bartlett's X2)		0.042*	0.292	0.323	0.191	0.549	0.073	0.093

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

Column 84: T4 = @AVG([C64].[C83])

## University of Georgia

Weed Code	plant 1	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7			
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA			
Part Rated	Back	Back	Back	Back	Back	Back	Back			
Rating Data Type	ht	ht	ht	ht	ht	ht	ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07			
Crop Stage	Bed 2	Bed 2	Bed 2	Bed 2	Bed 2	Bed 2	Bed 2			
Assessed By										
Trt-Eval Interval	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A			
ARM Action Codes										
Trt No.	Treatment Name	Rate	Unit	85	86	87	88	89	90	91
1	MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	57	a	57 a	51 a	47 a	44 a	38 a	55 a	56 a
2	MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	54	a	54 a	43 a	58 a	46 a	46 a	47 a	45 a
3	DMDS 71.3 G/A BC LDPE MULCH	50	a	50 a	45 a	46 a	47 a	46 a	45 a	42 a
4	Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	44	a	44 a	38 a	43 a	43 a	40 a	50 a	44 a
LSD (P=.05)		18.1		18.1	22.2	17.8	15.1	23.8	16.3	22.2
Standard Deviation		11.3		11.3	13.9	11.1	9.4	14.9	10.2	13.9
CV		22.18		22.18	31.26	22.98	21.04	34.9	20.69	29.91
Bartlett's X2		5.53		5.53	1.817	2.665	7.946	0.913	1.032	1.954
P(Bartlett's X2)		0.137		0.137	0.611	0.446	0.047*	0.822	0.794	0.582

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

## University of Georgia

Weed Code	plant 8	plant 9	plant 10	plant 11	plant 12	plant 13	plant 14
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA
Part Rated	Back	Back	Back	Back	Back	Back	Back
Rating Data Type	ht	ht	ht	ht	ht	ht	ht
Rating Unit	cm	cm	cm	cm	cm	cm	cm
Rating Date	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07
Crop Stage	Bed 2	Bed 2	Bed 2	Bed 2	Bed 2	Bed 2	Bed 2
Assessed By							
Trt-Eval Interval	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A
ARM Action Codes							
Trt Treatment	Rate						
No. Name	Rate Unit	92	93	94	95	96	97
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch		54 a	57 a	53 a	42 a	44 a	49 a
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch		38 a	48 a	50 a	50 a	50 a	47 a
3 DMDS 71.3 G/A BC LDPE MULCH		41 a	43 a	42 a	41 a	48 a	44 a
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch		45 a	40 a	51 a	43 a	41 a	26 b
LSD (P=.05)		17.6	24.4	28.7	18.5	21.2	16.7
Standard Deviation		11.0	15.2	18.0	11.6	13.2	10.5
CV		24.87	32.74	36.65	26.45	28.97	25.38
Bartlett's X2		3.484	2.642	1.338	0.199	0.41	0.243
P(Bartlett's X2)		0.323	0.45	0.72	0.978	0.938	0.97

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



## University of Georgia

Weed Code	plant 15	plant 16	plant 17	plant 18	plant 19	plant 20	plant av	
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	
Part Rated	Back	Back	Back	Back	Back	Back	Back	
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	
Rating Date	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	
Crop Stage	Bed 2	Bed 2	Bed 2	Bed 2	Bed 2	Bed 2	Bed 2	
Assessed By								
Trt-Eval Interval	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	
ARM Action Codes							T5	
Trt Treatment	Rate							
No. Name	Rate Unit	99	100	101	102	103	104	105
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch		36 a	55 a	49 a	50 a	60 a	62 a	50 a
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch		50 a	42 a	46 a	47 a	52 a	43 a	48 a
3 DMDS 71.3 G/A BC LDPE MULCH		48 a	48 a	38 a	38 a	47 a	43 a	44 a
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch		42 a	47 a	43 a	45 a	51 a	45 a	43 a
LSD (P=.05)		29.5	28.8	18.1	20.7	20.1	23.3	12.2
Standard Deviation		18.5	18.0	11.3	12.9	12.6	14.6	7.6
CV		42.0	37.76	25.79	28.97	23.96	30.27	16.53
Bartlett's X2		0.727	0.605	0.269	1.524	1.489	3.456	2.501
P(Bartlett's X2)		0.867	0.895	0.966	0.677	0.685	0.326	0.475

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

Column 105: T5 = @AVG([C85].[C104])

## University of Georgia

Weed Code	plant 1	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA
Part Rated	Back	Back	Back	Back	Back	Back	Back
Rating Data Type	ht	ht	ht	ht	ht	ht	ht
Rating Unit	cm	cm	cm	cm	cm	cm	cm
Rating Date	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07
Crop Stage	Bed 3	Bed 3	Bed 3	Bed 3	Bed 3	Bed 3	Bed 3
Assessed By							
Trt-Eval Interval	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A
ARM Action Codes							
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate
		Unit	Unit	Unit	Unit	Unit	Unit
		106	107	108	109	110	112
1	MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	47 a	57 a	41 a	50 a	56 a	45 a
2	MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	52 a	52 a	33 a	43 a	53 a	47 a
3	DMDS 71.3 G/A BC LDPE MULCH	44 a	40 a	43 a	46 a	33 b	34 a
4	Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	53 a	53 a	44 a	43 a	52 a	46 a
LSD (P=.05)		20.8	20.7	21.1	21.3	18.0	13.3
Standard Deviation		13.0	12.9	13.2	13.3	11.2	8.3
CV		26.62	25.69	32.69	29.27	23.16	19.37
Bartlett's X2		3.125	5.642	1.17	3.056	1.235	1.421
P(Bartlett's X2)		0.373	0.13	0.76	0.383	0.745	0.186

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

## University of Georgia

Weed Code	plant 8	plant 9	plant 10	plant 11	plant 12	plant 13	plant 14
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA
Part Rated	Back	Back	Back	Back	Back	Back	Back
Rating Data Type	ht	ht	ht	ht	ht	ht	ht
Rating Unit	cm	cm	cm	cm	cm	cm	cm
Rating Date	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07
Crop Stage	Bed 3	Bed 3	Bed 3	Bed 3	Bed 3	Bed 3	Bed 3
Assessed By							
Trt-Eval Interval	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A
ARM Action Codes							
Trt Treatment	Rate						
No. Name	Rate Unit	113	114	115	116	117	118
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch		52 a	44 a	47 a	52 a	57 a	43 a
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch		56 a	47 a	59 a	37 a	37 a	49 a
3 DMDS 71.3 G/A BC LDPE MULCH		37 a	46 a	46 a	46 a	53 a	56 a
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch		39 a	50 a	51 a	51 a	58 a	48 a
LSD (P=.05)		19.9	24.1	28.1	18.6	25.9	24.4
Standard Deviation		12.4	15.1	17.6	11.6	16.2	15.2
CV		26.91	32.29	34.69	25.13	31.7	31.03
Bartlett's X2		1.832	8.172	2.432	2.097	3.703	10.471
P(Bartlett's X2)		0.608	0.043*	0.488	0.552	0.295	0.015*

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

# University of Georgia

Weed Code	plant 15	plant 16	plant 17	plant 18	plant 19	plant 20	plant av	
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	
Part Rated	Back	Back	Back	Back	Back	Back	Back	
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	
Rating Date	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	Sep-06-07	
Crop Stage	Bed 3	Bed 3	Bed 3	Bed 3	Bed 3	Bed 3	Bed 3	
Assessed By								
Trt-Eval Interval	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	199 DA-A	
ARM Action Codes							T6	
Trt Treatment	Rate							
No. Name	Rate Unit	120	121	122	123	124	125	126
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch		63 a	55 a	53 a	50 a	58 a	43 a	51 a
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch		47 a	48 a	44 a	40 a	51 a	39 a	47 a
3 DMDS 71.3 G/A BC LDPE MULCH		44 a	54 a	52 a	48 a	46 a	55 a	45 a
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch		45 a	55 a	48 a	48 a	46 a	40 a	48 a
LSD (P=.05)		22.8	11.2	26.2	25.7	26.3	28.7	14.7
Standard Deviation		14.2	7.0	16.4	16.1	16.5	17.9	9.2
CV		28.58	13.24	33.36	34.58	32.74	40.81	19.31
Bartlett's X2		1.168	1.323	15.218	2.507	4.827	2.991	5.875
P(Bartlett's X2)		0.761	0.724	0.002*	0.474	0.185	0.393	0.118

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

Column 126: T6 = @AVG([C106].[C125])

# University of Georgia

Weed Code	Avg120	Plot	CYPES	CYPES	IAQTA	POROL	AMAVI
Crop Code	plants	mutiply					
Part Rated	CUMSA						
Rating Data Type	ht	to = an	#	#	#	#	#
Rating Unit	cm	acre	per plot	PRE ACRE	per plot	per plot	per plot
Rating Date	Sep-06-07		Aug-30-07	Aug-30-07	Aug-30-07	Aug-30-07	Aug-30-07
Crop Stage							
Assessed By							
Trt-Eval Interval	199 DA-A		192 DA-A	192 DA-A	192 DA-A	192 DA-A	192 DA-A
ARM Action Codes	T13			T24			
Trt Treatment	Rate						
No. Name	Rate Unit						
		127	129	131	132	133	134
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch		43 a	7 a	130 b	955 b	2 a	0 a
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch		44 a	7 a	94 b	686 b	1 a	1 a
3 DMDS 71.3 G/A BC LDPE MULCH		43 a	7 a	249 a	1869 a	1 a	3 a
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch		41 a	7 a	30 b	237 b	1 a	2 a
LSD (P=.05)		3.7	0.3	103.0	855.2	2.4	3.4
Standard Deviation		2.3	0.2	64.4	534.7	1.5	2.1
CV		5.35	2.18	51.22	57.08	142.26	148.59
Bartlett's X2		0.586	0.247	6.97	9.436	3.123	9.052
P(Bartlett's X2)		0.90	0.97	0.073	0.024*	0.373	0.029*

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

Column 127: T13 = ([C21]+[C42]+[C63]+[C84]+[C105]+[C126])/6

Column 130: T24 = [C129]\*[C131]

## University of Georgia

Weed Code	AMAVI	Root Galling	RootKnot Infestat	row 1 CUMSA	row 2 CUMSA	row 3 CUMSA	All rows CUMSA
Crop Code							
Part Rated							
Rating Data Type	#	0 to 10	#	# plants	# plants	# plants	# plants
Rating Unit	PER ACRE	rating	100cc	per plot	per plot	per plot	per plot
Rating Date				Aug-30-07	Aug-30-07	Aug-30-07	Aug-30-07
Crop Stage				Bed 1	Bed 2	Bed 3	
Assessed By		Langston	Athens				
Trt-Eval Interval				192 DA-A	192 DA-A	192 DA-A	192 DA-A
ARM Action Codes	T25						T26
Trt Treatment	Rate						
No. Name	Rate Unit						
	136	138	139	142	143	144	145
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	13 b	4 a	0 a	442 a	451 a	461 a	1354 a
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	9 b	4 a	0 a	404 a	486 a	434 a	1323 a
3 DMDS 71.3 G/A BC LDPE MULCH	126 a	3 a	0 a	432 a	445 a	446 a	1323 a
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	6 b	3 a	0 a	431 a	432 a	442 a	1305 a
LSD (P=.05)	30.6	1.5	0.0	41.3	59.6	53.9	67.2
Standard Deviation	19.1	0.9	0.0	25.8	37.2	33.7	42.0
CV	49.55	25.67	0.0	6.04	8.21	7.57	3.17
Bartlett's X2	9.714	3.203	0.0	6.604	4.421	2.41	1.667
P(Bartlett's X2)	0.021*	0.361	.	0.086	0.219	0.492	0.644

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

Column 134: T25 = [C129]\*[C135]

Column 140: T26 = [C142]+[C143]+[C144]

## University of Georgia

Weed Code	All rows CUMSA	Harv 1 CUMSA	Harv 1 CUMSA	Harv 1 CUMSA	Harv 1 CUMSA	Harv 1 CUMSA	Harv 1 CUMSA
Crop Code							
Part Rated							
Rating Data Type	# plants	super	large	selects	small	24 counts	cull
Rating Unit	PER ACRE	# boxes	# cucumb	# boxes	# boxes	# fruit	# fruit
Rating Date	Aug-30-07	Sep-19-07	Sep-19-07	Sep-19-07	Sep-19-07	Sep-19-07	Sep-19-07
Crop Stage							
Assessed By		perplot	perplot	perplot	perplot	perplot	perplot
Trt-Eval Interval	192 DA-A	212 DA-A	212 DA-A	212 DA-A	212 DA-A	212 DA-A	212 DA-A
ARM Action Codes	T27						
Trt Treatment	Rate						
No. Name	Rate Unit	146	148	149	150	151	152
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch		9888 a	2 a	26 ab	0 a	0 a	5 a
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch		9749 a	2 a	25 ab	0 a	0 a	6 a
3 DMDS 71.3 G/A BC LDPE MULCH		9729 a	2 a	19 b	0 a	0 a	5 a
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch		9754 a	2 a	30 a	0 a	0 a	5 a
LSD (P=.05)		582.5	0.4	9.5	0.2	0.2	3.0
Standard Deviation		364.2	0.2	6.0	0.1	0.1	1.9
CV		3.72	11.09	24.11	40.65	57.14	37.93
Bartlett's X2		0.958	2.823	1.84	0.074	0.963	8.42
P(Bartlett's X2)		0.811	0.42	0.606	0.963	0.618	0.038*

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

Column 141: T27 = [C129]\*[C145]

## University of Georgia

Weed Code	Harv 2 CUMSA	Harv 2 CUMSA	Harv 2 CUMSA	Harv 2 CUMSA	Harv 2 CUMSA	Harv 2 CUMSA	Harv 3 CUMSA
Crop Code							
Part Rated							
Rating Data Type	super	large	selects	small	24 counts	cull	super
Rating Unit	# boxes	# cucumb	# boxes	# boxes	# fruit	#	# boxes
Rating Date	Sep-22-07	Sep-22-07	Sep-22-07	Sep-22-07	Sep-22-07	Sep-22-07	Sep-24-07
Crop Stage							
Assessed By	perplot	perplot	perplot	perplot	perplot	perplot	perplot
Trt-Eval Interval	212 DA-A	212 DA-A	212 DA-A	212 DA-A	212 DA-A	212 DA-A	220 DA-A
ARM Action Codes							
Trt Treatment	Rate						
No. Name	Rate Unit	154	155	156	157	158	160
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	4 ab	15 b	1 a	0 a	2 a	5 a	2 a
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	3 b	25 ab	0 b	0 a	1 a	7 a	2 a
3 DMDS 71.3 G/A BC LDPE MULCH	3 ab	23 ab	0 b	0 a	2 a	7 a	2 a
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	4 a	34 a	0 b	0 a	2 a	6 a	2 a
LSD (P=.05)	0.5	12.4	0.2	0.2	0.5	4.3	0.4
Standard Deviation	0.3	7.7	0.1	0.1	0.3	2.7	0.2
CV	8.43	32.09	21.51	81.65	19.0	43.84	11.09
Bartlett's X2	1.521	2.289	0.088	0.0	0.485	8.424	2.823
P(Bartlett's X2)	0.677	0.515	0.993	1.00	0.922	0.038*	0.42

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



## University of Georgia

Weed Code	Harv 3 CUMSA	Harv 3 CUMSA	Harv 3 CUMSA	Harv 3 CUMSA	Harv 3 CUMSA	Harv 4 CUMSA	Harv 4 CUMSA
Crop Code							
Part Rated							
Rating Data Type	large	selects	small	24 counts	cull	super	large
Rating Unit	# cucumb	# boxes	# boxes	# fruit	#	# boxes	# cucumb
Rating Date	Sep-24-07	Sep-24-07	Sep-24-07	Sep-24-07	Sep-24-07	Sep-26-07	Sep-26-07
Crop Stage							
Assessed By	perplot	perplot	perplot	perplot	perplot	perplot	perplot
Trt-Eval Interval	220 DA-A	220 DA-A	220 DA-A	220 DA-A	220 DA-A	217 DA-A	217 DA-A
ARM Action Codes							
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate
		Unit					
			161	162	163	164	165
							166
							167
1	MB 57:43 357 lb/A BC LDPE 1.25 mil mulch		26 ab	0 a	0 a	5 a	3 a
							6 a
							5 b
2	MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch		25 ab	0 a	0 a	6 a	2 a
							6 a
							9 a
3	DMDS 71.3 G/A BC LDPE MULCH		19 b	0 a	0 a	5 a	3 a
							6 a
							4 b
4	Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch		30 a	0 a	0 a	5 a	5 a
							6 a
							4 b
LSD (P=.05)			9.5	0.2	0.2	3.0	3.3
Standard Deviation			6.0	0.1	0.1	1.9	2.1
CV			24.11	32.66	57.14	37.93	61.48
Bartlett's X2			1.84	0.0	0.963	8.42	1.061
P(Bartlett's X2)			0.606	0.001*	0.618	0.038*	0.787
							0.806
							0.442

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

# University of Georgia

Weed Code	Harv 4	Harv 4	Harv 4	Harv 4	Harv 1-4	Harv 1-4	Harv 1-4	Harv 1-4	
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	
Part Rated									
Rating Data Type	selects	small	24 counts	cull	super	large	selects	small	
Rating Unit	# boxes	# boxes	# fruit	# fruit	# boxes	# cucumb	# boxes	# boxes	
Rating Date	Sep-26-07	Sep-26-07	Sep-26-07	Sep-26-07					
Crop Stage									
Assessed By	perplot	perplot	perplot	perplot	perplot	perplot	perplot	perplot	
Trt-Eval Interval	217 DA-A	217 DA-A	217 DA-A	217 DA-A	219 DA-A	219 DA-A	219 DA-A	219 DA-A	
ARM Action Codes					T7	T8	T9	T10	
Trt Treatment	Rate								
No. Name	Rate Unit	168	169	170	171	172	173	174	175
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch		1 a	1 a	51 a	9 a	14 a	71 ab	2 a	1 a
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch		2 a	1 a	66 a	8 a	14 a	84 ab	3 a	1 a
3 DMDS 71.3 G/A BC LDPE MULCH		1 a	1 a	54 a	8 a	14 a	65 b	2 a	1 a
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch		2 a	1 a	58 a	8 a	14 a	97 a	3 a	1 a
LSD (P=.05)		0.5	0.3	20.1	5.8	1.6	27.7	0.8	0.5
Standard Deviation		0.3	0.2	12.6	3.6	1.0	17.3	0.5	0.3
CV		21.04	32.66	21.92	43.89	7.13	21.9	19.48	27.18
Bartlett's X2		1.723	3.471	2.992	1.692	1.108	1.403	2.42	2.537
P(Bartlett's X2)		0.632	0.325	0.393	0.639	0.775	0.705	0.49	0.469

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

Column 166: T7 = ([C148]+[C154]+[C160]+[C166])

Column 167: T8 = ([C149]+[C155]+[C161]+[C167])

Column 168: T9 = ([C150]+[C156]+[C162]+[C168])

Column 169: T10 = ([C151]+[C157]+[C163]+[C169])

## University of Georgia

Weed Code	Harv 1-4 CUMSA	Harv 1-4 CUMSA	Harv 1-4 CUMSA	Harv 1-4 CUMSA	Harv 1-4 CUMSA	Harv 1-4 CUMSA	Harv 1-4 CUMSA	Value CUMSA	
Crop Code									
Part Rated									
Rating Data Type	24 counts	cull	super	large	selects	small	24 counts	Super	
Rating Unit	# fruit	#	# boxes	# boxes	# boxes	# boxes	# boxes	box	
Rating Date									
Crop Stage									
Assessed By	perplot	perplot	perplot	perplot	perplot	perplot	perplot		
Trt-Eval Interval	219 DA-A	219 DA-A	219 DA-A	219 DA-A	219 DA-A	219 DA-A	219 DA-A		
ARM Action Codes	T11	T12		T15			T16		
Trt Treatment	Rate								
No. Name	Rate Unit	176	177	179	180	181	182	183	185
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch		62 a	20 a	14 a	2 ab	2 a	1 a	3 a	13 a
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch		79 a	18 a	14 a	2 ab	3 a	1 a	3 a	13 a
3 DMDS 71.3 G/A BC LDPE MULCH		65 a	21 a	14 a	1 b	2 a	1 a	3 a	13 a
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch		69 a	25 a	14 a	2 a	3 a	1 a	3 a	13 a
LSD (P=.05)		20.3	10.7	1.6	0.6	0.8	0.5	0.8	0.0
Standard Deviation		12.7	6.7	1.0	0.4	0.5	0.3	0.5	0.0
CV		18.38	31.61	7.13	21.9	19.48	27.18	18.38	0.0
Bartlett's X2		2.364	0.918	1.108	1.403	2.42	2.537	2.364	0.0
P(Bartlett's X2)		0.50	0.821	0.775	0.705	0.49	0.469	0.50	.

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

Column 170: T11 = ([C152]+[C158]+[C164]+[C170])

Column 171: T12 = ([C153]+[C159]+[C165]+[C171])

Column 173: T15 = [C173]/45

Column 176: T16 = [C176]/24

## University of Georgia

Weed Code	Value CUMSA	Value CUMSA	Value CUMSA	Value CUMSA	Value CUMSA	Value CUMSA	Value CUMSA	Value CUMSA	Value CUMSA	
Crop Code										
Part Rated										
Rating Data Type	Selects	Small	large	24 cout	Super	large	selects	small	24 counts	
Rating Unit	box	box	box	box	plot	plot	plot	plot	plot	
Rating Date										
Crop Stage										
Assessed By										
Trt-Eval Interval										
ARM Action Codes					T14	T17	T18	T19	T20	
Trt Treatment	Rate									
No. Name	Rate Unit	186	187	188	189	191	192	193	194	195
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch		8 a	10 a	6 a	4 a	171 a	9 ab	20 a	13 a	10 a
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch		8 a	10 a	6 a	4 a	180 a	11 ab	23 a	10 a	13 a
3 DMDS 71.3 G/A BC LDPE MULCH		8 a	10 a	6 a	4 a	172 a	9 b	19 a	12 a	11 a
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch		8 a	10 a	6 a	4 a	180 a	13 a	23 a	13 a	12 a
LSD (P=.05)		0.0	0.0	0.0	0.0	20.1	3.7	6.5	5.2	3.4
Standard Deviation		0.0	0.0	0.0	0.0	12.5	2.3	4.0	3.2	2.1
CV		0.0	0.0	0.0	0.0	7.13	21.9	19.48	27.18	18.38
Bartlett's X2		0.0	0.0	0.0	0.0	1.108	1.403	2.42	2.537	2.364
P(Bartlett's X2)		.	.	.	.	0.775	0.705	0.49	0.469	0.50

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

Column 182: T14 = [C172]\*[C185]

Column 183: T17 = [C180]\*[C188]

Column 184: T18 = [C181]\*[C186]

Column 185: T19 = [C182]\*[C187]

Column 186: T20 = [C183]\*[C189]

# University of Georgia

Weed Code	CUMSA Value	Plot Len multiply	CUMSA VALUE	CPSAN VALUE	Fum/Mulc Costs	CPS/CUM VALUE	
Crop Code							
Part Rated							
Rating Data Type	all sizes	to = an	per A	per A	A	A	
Rating Unit	plot	acre	\$	\$	\$	\$	
Rating Date							
Crop Stage							
Assessed By							
Trt-Eval Interval							
ARM Action Codes	T21		T22			T23	
Trt Treatment	Rate						
No. Name	Rate Unit	197	198	200	202	203	205
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	223 a	7 a	1633 a	15740 a	1020 b	16353 a	
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	237 a	7 a	1755 a	15317 ab	1531 a	15541 b	
3 DMDS 71.3 G/A BC LDPE MULCH	222 a	7 a	1625 a	14681 b	777 c	15528 b	
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	241 a	7 a	1799 a	15497 a	777 c	16519 a	
LSD (P=.05)	27.4	0.3	222.0	636.6	0.0	645.8	
Standard Deviation	17.2	0.2	138.8	398.0	0.0	403.8	
CV	7.44	2.18	8.15	2.6	0.0	2.53	
Bartlett's X2	0.472	0.247	0.546	2.241	0.0	0.996	
P(Bartlett's X2)	0.925	0.97	0.909	0.524	.	0.802	

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

Column 187: T21 = [C191]+[C192]+[C193]+[C194]+[C195]

Column 189: T22 = [C197]\*[C198]

Column 192: T23 = ([C200]+[C202])-[C203]



# University of Georgia

**Trial Initiation Comments:**

	Previous Crops	Previous Pesticides	Year
1.			

**MAINTENANCE**

**Field Prep./Maintenance:** Land was conventionally prepared by disking and breaking the land.

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

**SOIL DESCRIPTION**

% Sand: 72	% OM: 1.48	Texture: Sandy Loam
% Silt: 24	pH: 7.13	Soil Name: _____
% Clay: 4	CEC: _____	Fert. Level: _____

**ADDITIONAL MEASURED ELEMENTS**

Element	Quantity	Unit

**MOISTURE CONDITIONS**

	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

**Overall Moisture Conditions:** Drip irrigation

**Closest Weather Station:** \_\_\_\_\_ **Distance:** \_\_\_\_\_ **Unit:** \_\_\_\_\_

**APPLICATION DESCRIPTION**

	A
Application Date:	Feb-19-07
Time of Day:	11 am
Application Method:	band
Application Timing:	preplant
Applic. Placement:	in bed
Air Temp., Unit:	60 f
% Relative Humidity:	52
Wind Velocity, Unit:	3 MPH
Dew Presence (Y/N):	n
Water Hardness:	
Soil Temp., Unit:	48 f
Soil Moisture:	moist
% Cloud Cover:	0

**CROP STAGE AT EACH APPLICATION**

	A
Crop 1 Code, Stage:	CSPAN preplant
Stage Scale:	not up
Height, Unit:	0 inch
Crop 2 Code, Stage:	CUMSA preplant
Stage Scale:	not up
Height, Unit:	0 inch

# University of Georgia

## WEED STAGE AT EACH APPLICATION

	A
Weed 1 Code, Stage:	CYPES preplant
Stage Scale:	not up
Density, Unit:	see data
Weed 2 Code, Stage:	PORPI preplant
Stage Scale:	not up
Density, Unit:	see data
Weed 3 Code, Stage:	AMALI preplant
Stage Scale:	not up
Density, Unit:	see data

## APPLICATION EQUIPMENT

	A
Appl. Equipment:	see
Operating Pressure:	comment
Nozzle Type:	section
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