



# University of Georgia

## CONCLUSIONS:

1. No differences between MB and MIDAS were noted.
2. With the 3-way, there was generally more Jumbo and Chopper fruit but less X-Large and Large fruit.
3. DMDS provided the least effective weed control which most likely held down potential yields.

## 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.
3. Feb. 16, 2007, the check bed had 6 nutsedge, 1 purslane, 3 pigweeds, and 1 groundcherry.
4. Apr. 2, 2007, the check bed had 10 nutsedge, 1 purslane, and 3 pigweeds.
5. Apr. 16, 2007, the check bed had 14 nutsedge, 1 smallflower morningglory, 13 purslanes, and 7 pigweeds.

# University of Georgia

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

Trial ID: Veg11-07

Study Dir.: Culpepper, Davis, Brim

Location: Lewis Taylor Farms

Investigator: Stanley Culpepper

Weed Code	CYPZZ	CYPZZ	CYPZZ	CYPZZ	IPOLA	IAQTA	PORPI	PORPI			
Crop Code											
Part Rated											
Rating Data Type											
Rating Unit	#/plot	#/plot	#/plot	#/acre	#/plot	#/plot	#/plot	#/plot			
Rating Date	Feb-16-07	Apr-02-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-02-07	Apr-16-07			
Trt-Eval Interval	-3 DA-A	42 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	42 DA-A	56 DA-A			
ARM Action Codes				T45							
Trt No.	Treatment Name	Rate	Rate Unit	1	2	3	4	5	6	7	8
1	MB 57:43 357 lb/A BC LDPE 1.25 mil mulch			1 a	4 a	8 b	60 b	0 a	2 a	0 a	0 a
2	MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch			1 a	6 a	8 b	55 b	0 a	1 a	0 a	0 a
3	DMDS 71.3 G/A BC LDPE MULCH			5 a	12 a	23 a	172 a	0 a	1 a	1 a	1 a
4	Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch			0 a	2 a	3 b	25 b	0 a	1 a	0 a	1 a
LSD (P=.05)				5.7	10.6	9.5	74.2	0.4	1.3	1.2	0.9
Standard Deviation				3.6	6.6	5.9	46.4	0.3	0.8	0.8	0.5
CV				229.83	111.59	56.96	59.34	400.0	87.55	400.0	170.75
Bartlett's X2				8.174	8.496	2.413	2.957	0.0	3.24	0.0	0.707
P(Bartlett's X2)				0.017*	0.037*	0.491	0.398	.	0.356	.	0.40

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

Column 4: T45 = [C3]\*[C171]

## University of Georgia

Weed Code	AMALI	AMALI	AMALI	AMALI	CSPAN	CSPAN	CSPAN
Crop Code					CSPAN	CSPAN	CSPAN
Part Rated					bed 1	bed 2	bed 3
Rating Data Type					plants/plot	plants/plot	plants/plot
Rating Unit	#/plot	#/plot	#/plot	#/acre	#	#	#
Rating Date	Mar-16-07	Apr-02-07	Apr-16-07	Apr-16-07	Apr-02-07	Apr-02-07	Apr-02-07
Trt-Eval Interval	25 DA-A	42 DA-A	56 DA-A	56 DA-A	42 DA-A	42 DA-A	42 DA-A
ARM Action Codes				T46			
Trt Treatment							
No. Name							
Rate							
Rate Unit							
	9	10	11	12	13	14	15
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	0 a	0 a	0 b	2 b	781 a	809 a	799 a
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	0 a	1 a	2 b	17 b	775 a	787 a	806 a
3 DMDS 71.3 G/A BC LDPE MULCH	0 a	1 a	27 a	206 a	798 a	787 a	790 a
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	0 a	0 a	0 b	0 b	783 a	776 a	776 a
LSD (P=.05)	0.4	1.9	10.0	87.2	53.0	47.5	67.6
Standard Deviation	0.3	1.2	6.2	54.5	33.1	29.7	42.3
CV	400.0	311.11	83.73	97.11	4.22	3.76	5.33
Bartlett's X2	0.0	1.285	17.285	19.195	0.412	0.347	1.108
P(Bartlett's X2)	.	0.257	0.001*	0.001*	0.938	0.951	0.775

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

Column 12: T46 = [C11]\*[C171]

# University of Georgia

Weed Code	TOTAL CPSAN	TOTAL CPSAN	plant 1 CPSAN	plant 2 CPSAN	plant 3 CPSAN	plant 4 CPSAN	plant 5 CPSAN	plant 6 CPSAN	
Crop Code			bed 1	bed 1	bed 1	bed 1	bed 1	bed 1	
Part Rated			plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	
Rating Data Type	per plot	per acre	cm	cm	cm	cm	cm	cm	
Rating Unit	#	#	cm	cm	cm	cm	cm	cm	
Rating Date	Apr-02-07	Apr-02-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	
Trt-Eval Interval	42 DA-A	42 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	
ARM Action Codes	T11	T47							
Trt Treatment	Rate								
No. Name	Rate Unit	16	17	18	19	20	21	22	23
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch		2388 a	634798 a	16 a	16 a	15 a	16 a	16 a	16 a
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch		2368 a	599513 a	14 a	15 a	15 a	15 a	15 a	16 a
3 DMDS 71.3 G/A BC LDPE MULCH		2374 a	580995 a	15 a	14 a	16 a	17 a	16 a	15 a
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch		2335 a	581962 a	13 a	15 a	17 a	17 a	19 a	15 a
LSD (P=.05)		79.9	51748.7	5.4	4.7	8.0	4.0	4.4	5.3
Standard Deviation		50.0	32353.5	3.4	2.9	5.0	2.5	2.8	3.3
CV		2.11	5.4	23.86	19.69	31.95	15.42	17.37	21.78
Bartlett's X2		0.266	1.071	1.838	4.114	2.691	1.108	0.622	7.218
P(Bartlett's X2)		0.966	0.784	0.607	0.249	0.442	0.775	0.891	0.065

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

Column 16: T11 = [C13]+[C14]+[C15]

Column 17: T47 = [C16]\*[C170]

## University of Georgia

Weed Code	plant 7	plant 8	plant 9	plant 10	plant 11	plant 12	plant 13	plant 14			
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN			
Part Rated	bed 1	bed 1	bed 1	bed 1	bed 1	bed 1	bed 1	bed 1			
Rating Data Type	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07			
Trt-Eval Interval	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A			
ARM Action Codes											
Trt No.	Treatment Name	Rate	Unit	24	25	26	27	28	29	30	31
1	MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	18	a	14	ab	13	a	13	a	16	a
2	MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	14	a	13	b	17	a	16	a	12	a
3	DMDS 71.3 G/A BC LDPE MULCH	14	a	16	ab	13	a	18	a	15	a
4	Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	15	a	18	a	16	a	17	a	13	a
LSD (P=.05)		8.6		4.2		5.8		5.3		10.6	
Standard Deviation		5.4		2.6		3.6		3.3		6.6	
CV		35.07		17.36		24.5		20.71		47.78	
Bartlett's X2		7.947		3.921		3.611		1.726		13.26	
P(Bartlett's X2)		0.047*		0.27		0.307		0.631		0.004*	
										4.4	3.7
										2.8	2.3
										18.39	15.48
										2.018	3.186
										0.569	0.364

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 21	plant 22		
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN		
Part Rated	bed 1	bed 1	bed 1	bed 1	bed 1	bed 1	bed 1	bed 1		
Rating Data Type	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht		
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm		
Rating Date	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07		
Trt-Eval Interval	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A		
ARM Action Codes										
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
		Unit								
			32	33	34	35	36	37	38	39
1	MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	17 a	14 a	15 a	16 a	14 a	17 a	14 a	12 a	
2	MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	15 a	14 a	14 a	11 a	16 a	15 a	12 a	11 a	
3	DMDS 71.3 G/A BC LDPE MULCH	13 a	16 a	15 a	15 a	14 a	16 a	13 a	14 a	
4	Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	15 a	16 a	12 a	17 a	17 a	17 a	15 a	12 a	
LSD (P=.05)		7.0	5.3	8.0	7.3	5.4	3.3	3.1	5.4	
Standard Deviation		4.4	3.3	5.0	4.6	3.4	2.1	2.0	3.4	
CV		30.16	22.32	35.79	31.52	22.13	12.95	14.42	28.07	
Bartlett's X2		10.796	5.558	11.806	9.965	6.58	9.805	1.597	3.417	
P(Bartlett's X2)		0.013*	0.135	0.008*	0.019*	0.087	0.02*	0.66	0.332	

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

## University of Georgia

Weed Code	plant 23	plant 24	plant 25	plant 26	plant 27	plant 28	plant 29	plant 30			
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN			
Part Rated	bed 1	bed 1	bed 1	bed 1	bed 1	bed 1	bed 1	bed 1			
Rating Data Type	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07			
Trt-Eval Interval	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A			
ARM Action Codes											
Trt No.	Treatment Name	Rate	Unit	40	41	42	43	44	45	46	47
1	MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	16	a	15 a	14 a	15 a	15 a	16 a	16 a	14 a	
2	MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	14	a	13 a	13 a	15 a	15 a	13 a	15 a	14 a	
3	DMDS 71.3 G/A BC LDPE MULCH	14	a	10 b	16 a	13 a	15 a	14 a	15 a	15 a	
4	Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	15	a	14 a	16 a	15 a	15 a	15 a	14 a	14 a	
LSD (P=.05)		4.7		3.1	6.6	4.4	2.1	5.1	3.2	4.6	
Standard Deviation		2.9		1.9	4.1	2.7	1.3	3.2	2.0	2.9	
CV		20.16		14.81	28.62	18.82	8.75	22.39	13.7	20.48	
Bartlett's X2		3.782		1.954	0.72	6.838	1.771	3.829	0.607	5.722	
P(Bartlett's X2)		0.286		0.582	0.868	0.077	0.621	0.281	0.895	0.126	

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



## University of Georgia

Weed Code	plant 31	plant 32	plant 33	plant 34	plant 35	plant 36	plant 37	plant 38	
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	
Part Rated	bed 1	bed 1	bed 1	bed 1	bed 1	bed 1	bed 1	bed 1	
Rating Data Type	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Date	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	
Trt-Eval Interval	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	
ARM Action Codes									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
		Unit	Unit	Unit	Unit	Unit	Unit	Unit	
48			49	50	51	52	53	54	55
1	MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	13 a	14 ab	13 a	15 b	15 a	15 a	13 a	16 a
2	MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	13 a	10 b	10 a	16 ab	13 a	15 a	15 a	16 a
3	DMDS 71.3 G/A BC LDPE MULCH	15 a	16 a	16 a	19 a	15 a	14 a	14 a	15 a
4	Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	15 a	14 ab	13 a	14 b	15 a	12 a	14 a	14 a
LSD (P=.05)		3.8	5.9	10.0	3.5	5.3	4.1	6.2	6.6
Standard Deviation		2.4	3.7	6.3	2.2	3.3	2.5	3.9	4.1
CV		17.17	27.24	49.02	13.88	23.16	18.54	28.06	27.04
Bartlett's X2		3.367	16.314	6.815	1.636	1.338	3.445	1.108	3.816
P(Bartlett's X2)		0.338	0.001*	0.078	0.651	0.72	0.328	0.775	0.282

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

## University of Georgia

Weed Code	plant 39	plant 40	AVG40PLA	plant 1	plant 2	plant 3	plant 4	plant 5	
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	
Part Rated	bed 1	bed 1		bed 2	bed 2	bed 2	bed 2	bed 2	
Rating Data Type	plant ht	plant ht	ht	plant ht	plant ht	plant ht	plant ht	plant ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Date	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	
Trt-Eval Interval	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	
ARM Action Codes			T1						
Trt Treatment	Rate								
No. Name	Rate Unit	56	57	58	59	60	61	62	63
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch		18 a	15 a	15 a	12 a	14 a	13 a	14 a	17 a
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch		15 a	17 a	14 a	15 a	14 a	13 a	16 a	16 a
3 DMDS 71.3 G/A BC LDPE MULCH		14 a	13 a	15 a	15 a	14 a	17 a	17 a	15 a
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch		13 a	15 a	15 a	17 a	14 a	15 a	15 a	16 a
LSD (P=.05)		4.3	3.9	2.5	7.6	4.5	5.5	4.2	4.0
Standard Deviation		2.7	2.5	1.5	4.7	2.8	3.4	2.7	2.5
CV		17.89	16.48	10.43	32.98	20.34	24.2	16.97	15.92
Bartlett's X2		3.892	1.041	1.824	3.894	1.107	1.013	3.11	2.422
P(Bartlett's X2)		0.273	0.791	0.61	0.273	0.775	0.798	0.375	0.49

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

Column 58: T1 = @AVG([C18].[C42])

## University of Georgia

Weed Code	plant 6	plant 7	plant 8	plant 9	plant 10	plant 11	plant 12	plant 13	
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	
Part Rated	bed 2	bed 2	bed 2	bed 2	bed 2	bed 2	bed 2	bed 2	
Rating Data Type	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Date	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	
Trt-Eval Interval	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	
ARM Action Codes									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
		Unit	Unit	Unit	Unit	Unit	Unit	Unit	
		64	65	66	67	68	69	70	
		71							
1	MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	14 a	15 a	16 a	16 a	16 a	15 a	12 a	14 a
2	MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	17 a	17 a	18 a	15 a	15 a	16 a	16 a	16 a
3	DMDS 71.3 G/A BC LDPE MULCH	16 a	17 a	18 a	15 a	16 a	14 a	15 a	15 a
4	Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	16 a	15 a	15 a	15 a	13 a	13 a	15 a	12 a
LSD (P=.05)		5.2	4.3	3.8	8.1	5.3	3.4	8.6	4.9
Standard Deviation		3.3	2.7	2.4	5.1	3.3	2.1	5.4	3.1
CV		21.05	16.93	14.35	33.77	22.19	15.15	37.41	21.86
Bartlett's X2		1.635	2.285	7.599	0.718	4.293	1.506	3.329	0.223
P(Bartlett's X2)		0.652	0.515	0.055	0.869	0.231	0.681	0.344	0.974

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

## University of Georgia

Weed Code	plant 14	plant 15	plant 16	plant 17	plant 18	plant 19	plant 20	plant 21			
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN			
Part Rated	bed 2	bed 2	bed 2	bed 2	bed 2	bed 2	bed 2	bed 2			
Rating Data Type	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07			
Trt-Eval Interval	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A			
ARM Action Codes											
Trt No.	Treatment Name	Rate	Unit	72	73	74	75	76	77	78	79
1	MB 57:43 357 lb/A BC LDPE 1.25 mil mulch			16 ab	16 a	15 a	18 a	17 a	15 a	16 a	14 a
2	MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch			14 ab	14 a	15 a	17 a	13 a	13 a	17 a	16 a
3	DMDS 71.3 G/A BC LDPE MULCH			17 a	16 a	17 a	18 a	16 a	15 a	17 a	11 a
4	Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch			13 b	16 a	16 a	15 a	17 a	16 a	17 a	14 a
LSD (P=.05)				3.5	2.9	4.2	4.1	7.0	3.4	3.7	9.5
Standard Deviation				2.2	1.8	2.6	2.5	4.4	2.1	2.3	5.9
CV				14.82	11.74	16.87	15.01	28.03	14.42	13.93	43.23
Bartlett's X2				0.624	1.254	7.026	4.433	11.311	1.418	2.697	4.775
P(Bartlett's X2)				0.891	0.74	0.071	0.218	0.01*	0.701	0.441	0.189

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

## University of Georgia

Weed Code	plant 22	plant 23	plant 24	plant 25	plant 26	plant 27	plant 28	plant 29									
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN									
Part Rated	bed 2	bed 2	bed 2	bed 2	bed 2	bed 2	bed 2	bed 2									
Rating Data Type	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht									
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm									
Rating Date	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07									
Trt-Eval Interval	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A									
ARM Action Codes																	
Trt No.	Treatment Name	Rate	Unit	80	81	82	83	84	85	86	87						
1	MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	12	a	14	a	14	a	15	a	14	a	15	ab	17	a	11	a
2	MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	13	a	13	a	14	a	13	a	13	a	14	ab	15	ab	17	a
3	DMDS 71.3 G/A BC LDPE MULCH	14	a	15	a	13	a	13	a	14	a	11	b	11	b	11	a
4	Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	16	a	14	a	14	a	13	a	15	a	16	a	16	ab	11	a
LSD (P=.05)		8.8		5.9		4.5		4.5		4.8		4.6		4.6		10.5	
Standard Deviation		5.5		3.7		2.8		2.8		3.0		2.9		2.9		6.6	
CV		40.51		26.94		20.57		20.89		21.65		21.03		19.64		53.81	
Bartlett's X2		2.639		3.229		1.728		1.843		1.883		3.325		5.297		5.36	
P(Bartlett's X2)		0.451		0.358		0.631		0.606		0.597		0.344		0.151		0.147	

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

## University of Georgia

Weed Code	plant 30	plant 31	plant 32	plant 33	plant 34	plant 35	plant 36	plant 37	
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	
Part Rated	bed 2	bed 2	bed 2	bed 2	bed 2	bed 2	bed 2	bed 2	
Rating Data Type	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Date	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	
Trt-Eval Interval	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	
ARM Action Codes									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
		Unit	Unit	Unit	Unit	Unit	Unit	Unit	
88			89	90	91	92	93	94	95
1	MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	16 a	14 a	15 a	15 a	14 a	15 a	18 a	14 a
2	MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	14 a	13 a	15 a	14 a	15 a	14 a	16 a	15 a
3	DMDS 71.3 G/A BC LDPE MULCH	15 a	14 a	10 a	14 a	14 a	13 a	16 a	14 a
4	Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	14 a	14 a	16 a	14 a	15 a	14 a	17 a	16 a
LSD (P=.05)		5.2	11.6	4.9	3.8	3.9	5.4	3.2	4.0
Standard Deviation		3.3	7.3	3.1	2.4	2.4	3.4	2.0	2.5
CV		22.36	53.45	22.25	16.87	16.82	24.32	11.92	17.13
Bartlett's X2		4.276	7.113	12.988	3.017	1.466	3.894	4.082	0.915
P(Bartlett's X2)		0.233	0.068	0.005*	0.389	0.69	0.273	0.253	0.822

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

## University of Georgia

Weed Code	plant 38	plant 39	plant 40	AVG40PLA	plant 1	plant 2	plant 3	plant 4	
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	
Part Rated	bed 2	bed 2	bed 2		bed 3	bed 3	bed 3	bed 3	
Rating Data Type	plant ht	plant ht	plant ht	ht	plant ht	plant ht	plant ht	plant ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Date	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	
Trt-Eval Interval	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	
ARM Action Codes				T2					
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
		Unit	Unit	Unit	Unit	Unit	Unit	Unit	
		96	97	98	99	100	101	102	103
1	MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	14 a	16 a	14 a	15 a	16 a	16 a	16 a	14 a
2	MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	16 a	16 a	16 a	15 a	11 b	13 a	14 a	15 a
3	DMDS 71.3 G/A BC LDPE MULCH	14 a	15 a	14 a	15 a	14 a	14 a	15 a	13 a
4	Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	13 a	11 a	16 a	15 a	14 a	14 a	15 a	12 a
LSD (P=.05)		5.0	5.8	4.5	1.8	2.4	4.6	3.4	3.3
Standard Deviation		3.1	3.6	2.8	1.1	1.5	2.8	2.1	2.1
CV		21.92	24.82	18.92	7.67	10.84	19.73	14.56	15.51
Bartlett's X2		1.895	0.768	0.643	2.075	1.671	5.553	1.168	8.15
P(Bartlett's X2)		0.594	0.857	0.887	0.557	0.643	0.136	0.761	0.043*

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

Column 99: T2 = @AVG([C59].[C98])

## University of Georgia

Weed Code	plant 5	plant 6	plant 7	plant 8	plant 9	plant 10	plant 11	plant 12	
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	
Part Rated	bed 3	bed 3	bed 3	bed 3	bed 3	bed 3	bed 3	bed 3	
Rating Data Type	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Date	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	
Trt-Eval Interval	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	
ARM Action Codes									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
		Unit	Unit	Unit	Unit	Unit	Unit	Unit	
		104	105	106	107	108	109	110	111
1	MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	15 a	11 b	15 a	15 a	14 a	17 a	14 a	16 a
2	MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	13 a	15 a	13 a	17 a	13 a	15 a	15 a	15 a
3	DMDS 71.3 G/A BC LDPE MULCH	16 a	15 a	15 a	15 a	11 a	13 a	15 a	16 a
4	Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	16 a	15 a	13 a	15 a	13 a	14 a	16 a	18 a
LSD (P=.05)		4.2	3.5	4.4	5.0	7.1	4.7	4.5	3.1
Standard Deviation		2.6	2.2	2.8	3.1	4.4	2.9	2.8	2.0
CV		17.79	15.71	19.92	20.37	35.16	19.7	18.72	12.2
Bartlett's X2		1.723	7.288	5.246	6.231	4.612	0.584	4.391	1.05
P(Bartlett's X2)		0.632	0.063	0.155	0.101	0.202	0.90	0.222	0.789

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



## University of Georgia

Weed Code	plant 13	plant 14	plant 15	plant 16	plant 17	plant 18	plant 19	plant 20									
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN									
Part Rated	bed 3	bed 3	bed 3	bed 3	bed 3	bed 3	bed 3	bed 3									
Rating Data Type	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht									
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm									
Rating Date	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07									
Trt-Eval Interval	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A									
ARM Action Codes																	
Trt No.	Treatment Name	Rate	Unit	112	113	114	115	116	117	118	119						
1	MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	17	a	15	a	15	a	14	a	16	a	13	a	15	a	15	a
2	MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	16	a	13	a	13	a	15	a	14	a	16	a	14	a	17	a
3	DMDS 71.3 G/A BC LDPE MULCH	14	a	16	a	14	a	16	a	16	a	13	a	16	a	13	a
4	Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	15	a	16	a	15	a	14	a	15	a	15	a	14	a	16	a
LSD (P=.05)		5.1		3.2		3.9		5.7		3.9		4.5		6.0		3.4	
Standard Deviation		3.2		2.0		2.4		3.5		2.5		2.8		3.8		2.1	
CV		20.83		13.29		17.5		24.29		16.08		19.78		26.01		14.06	
Bartlett's X2		3.803		2.772		1.228		0.859		4.393		1.324		3.157		0.677	
P(Bartlett's X2)		0.284		0.428		0.746		0.835		0.222		0.723		0.368		0.879	

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

## University of Georgia

Weed Code	plant 21	plant 22	plant 23	plant 24	plant 25	plant 26	plant 27	plant 28			
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN			
Part Rated	bed 3	bed 3	bed 3	bed 3	bed 3	bed 3	bed 3	bed 3			
Rating Data Type	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07			
Trt-Eval Interval	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A			
ARM Action Codes											
Trt No.	Treatment Name	Rate	Unit	120	121	122	123	124	125	126	127
1	MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	15	a	15 a	14 a	15 a	15 a	15 a	11 a	10 a	14 a
2	MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	14	a	14 a	12 a	16 a	14 a	13 a	17 a	13 a	15 a
3	DMDS 71.3 G/A BC LDPE MULCH	16	a	16 a	15 a	13 a	14 a	13 a	16 a	17 a	15 a
4	Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	14	a	14 a	13 a	13 a	14 a	13 a	13 a	14 a	13 a
LSD (P=.05)				5.2	4.5	4.3	3.6	5.0	6.6	7.6	3.1
Standard Deviation				3.3	2.8	2.7	2.3	3.1	4.1	4.8	1.9
CV				22.2	21.05	18.92	15.96	23.35	29.74	35.35	13.44
Bartlett's X2				1.783	2.074	4.354	2.448	2.939	5.71	5.828	2.763
P(Bartlett's X2)				0.619	0.557	0.226	0.485	0.401	0.127	0.12	0.43

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

## University of Georgia

Weed Code	plant 29	plant 30	plant 31	plant 32	plant 33	plant 34	plant 35	plant 36	
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	
Part Rated	bed 3	bed 3	bed 3	bed 3	bed 3	bed 3	bed 3	bed 3	
Rating Data Type	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	plant ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Date	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	
Trt-Eval Interval	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	
ARM Action Codes									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
		Unit	Unit	Unit	Unit	Unit	Unit	Unit	
		128	129	130	131	132	133	134	
		135							
1	MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	13 a	15 a	13 a	14 a	15 a	13 a	14 a	14 a
2	MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	13 a	15 a	16 a	15 a	16 a	13 a	14 a	15 a
3	DMDS 71.3 G/A BC LDPE MULCH	16 a	15 a	13 a	15 a	13 a	15 a	13 a	15 a
4	Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	13 a	13 a	14 a	12 a	13 a	16 a	14 a	16 a
LSD (P=.05)		4.9	2.9	2.7	3.8	4.5	4.6	4.4	5.4
Standard Deviation		3.1	1.8	1.7	2.4	2.8	2.9	2.7	3.4
CV		22.63	12.56	12.07	17.08	19.92	20.67	20.14	22.88
Bartlett's X2		0.469	3.068	1.394	2.68	1.017	1.6	8.244	0.301
P(Bartlett's X2)		0.926	0.381	0.707	0.444	0.797	0.659	0.041*	0.96

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

## University of Georgia

Weed Code	plant 37	plant 38	plant 39	plant 40	AVG40PLA	AVG120PL	harv 1	
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	
Part Rated	bed 3	bed 3	bed 3	bed 3				
Rating Data Type	plant ht	plant ht	plant ht	plant ht	ht	ht all beds	box/plot	
Rating Unit	cm	cm	cm	cm	cm	cm	jumbo	
Rating Date	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Apr-16-07	Jun-04-07	
Trt-Eval Interval	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	105 DA-A	
ARM Action Codes					T3	T4		
Trt Treatment	Rate							
No. Name	Rate Unit	136	137	138	139	140	141	142
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch		15 a	13 b	13 a	15 a	14 a	15 a	21 b
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch		13 a	14 b	14 a	15 a	14 a	15 a	21 b
3 DMDS 71.3 G/A BC LDPE MULCH		12 a	17 a	14 a	14 a	14 a	14 a	18 b
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch		16 a	15 ab	16 a	15 a	14 a	15 a	26 a
LSD (P=.05)		4.9	3.0	5.4	5.6	1.2	1.5	4.4
Standard Deviation		3.1	1.9	3.4	3.5	0.7	0.9	2.8
CV		22.12	12.65	23.68	24.28	5.23	6.37	12.83
Bartlett's X2		2.823	2.741	0.376	2.048	4.604	8.06	1.572
P(Bartlett's X2)		0.42	0.433	0.945	0.562	0.203	0.045*	0.666

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

Column 140: T3 = @AVG([C100].[C139])

Column 141: T4 = ([C43]+[C99]+[C140])/3

## University of Georgia

Weed Code	harv 1 CPSAN	harv 1 CPSAN	harv 1 CPSAN	harv 1 CPSAN	harv 2 CPSAN	harv 2 CPSAN	harv 2 CPSAN
Crop Code							
Part Rated							
Rating Data Type	box/plot	box/plot	box/plot	box/plot	box/plot	box/plot	box/plot
Rating Unit	x-large	large	chopper	cull	jumbo	x-large	large
Rating Date	Jun-04-07	Jun-04-07	Jun-04-07	Jun-04-07	Jun-11-07	Jun-11-07	Jun-11-07
Trt-Eval Interval	105 DA-A	105 DA-A	105 DA-A	105 DA-A	112 DA-A	112 DA-A	112 DA-A
ARM Action Codes							
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate
		Unit	Unit	Unit	Unit	Unit	Unit
		143	144	145	146	147	148
1	MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	7 a	1 a	3 b	0 a	62 a	13 a
2	MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	8 a	2 a	3 b	1 a	63 a	12 a
3	DMDS 71.3 G/A BC LDPE MULCH	6 a	1 a	4 b	0 a	56 a	8 b
4	Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	8 a	1 a	8 a	1 a	63 a	7 b
LSD (P=.05)		3.1	0.9	2.1	0.7	7.2	2.1
Standard Deviation		2.0	0.5	1.3	0.4	4.5	1.3
CV		26.89	44.65	31.24	75.54	7.4	13.0
Bartlett's X2		8.528	6.111	10.429	8.511	15.571	1.723
P(Bartlett's X2)		0.036*	0.106	0.015*	0.037*	0.001*	0.303

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

## University of Georgia

Weed Code	harv 2 CPSAN	harv 2 CPSAN	harv 2 CPSAN	harv 3 CPSAN	harv 3 CPSAN	harv 3 CPSAN	harv 3 CPSAN
Crop Code							
Part Rated							
Rating Data Type	box/plot	box/plot	box/plot	box/plot	box/plot	box/plot	box/plot
Rating Unit	chopper	cull	suntan	jumbo	x-large	large	chopper
Rating Date	Jun-11-07	Jun-11-07	Jun-11-07	Jun-18-07	Jun-18-07	Jun-18-07	Jun-18-07
Trt-Eval Interval	112 DA-A	112 DA-A	112 DA-A	119 DA-A	119 DA-A	119 DA-A	119 DA-A
ARM Action Codes							
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate
		Unit	Unit	Unit	Unit	Unit	Unit
		150	151	152	153	154	155
1	MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	11 a	2 bc	23 a	42 a	23 a	10 a
2	MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	10 a	2 ab	17 ab	40 a	21 ab	8 ab
3	DMDS 71.3 G/A BC LDPE MULCH	11 a	2 c	20 ab	43 a	19 b	9 ab
4	Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	14 a	3 a	12 b	42 a	15 c	7 b
LSD (P=.05)		4.8	0.7	10.4	5.3	3.6	2.0
Standard Deviation		3.0	0.4	6.5	3.3	2.2	1.3
CV		26.11	20.16	36.75	7.99	11.41	15.19
Bartlett's X2		2.86	0.906	4.484	3.883	0.456	0.223
P(Bartlett's X2)		0.414	0.824	0.214	0.274	0.928	0.974

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

## University of Georgia

Weed Code	harv 3 CPSAN	harv 3 CPSAN	harv 4 CPSAN	harv 4 CPSAN	harv 4 CPSAN	harv 4 CPSAN	harv 4 CPSAN	TotalHar CPSAN	
Crop Code									
Part Rated									
Rating Data Type	box/plot	box/plot	box/plot	box/plot	box/plot	box/plot	box/plot	box/plot	
Rating Unit	cull	suntan	jumbo	x-large	large	chopper	cull	jumbo	
Rating Date	Jun-18-07	Jun-18-07	Jun-26-07	Jun-26-07	Jun-26-07	Jun-26-07	Jun-26-07		
Trt-Eval Interval	119 DA-A	119 DA-A	127 DA-A	127 DA-A	127 DA-A	127 DA-A	127 DA-A		
ARM Action Codes								T5	
Trt Treatment	Rate								
No. Name	Rate Unit	157	158	159	160	161	162	163	164
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	2 a	2 a	14 a	11 ab	7 a	4 a	0 a	139 ab	
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	2 a	3 a	14 a	9 b	6 ab	4 a	0 a	138 ab	
3 DMDS 71.3 G/A BC LDPE MULCH	2 a	2 a	16 a	11 a	7 a	5 a	0 a	132 b	
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	2 a	1 a	14 a	10 ab	5 b	3 a	1 a	146 a	
LSD (P=.05)	0.7	3.8	3.9	1.7	1.4	1.8	0.6	8.4	
Standard Deviation	0.5	2.4	2.4	1.1	0.9	1.2	0.4	5.2	
CV	27.56	116.4	17.03	10.56	14.47	28.35	100.72	3.78	
Bartlett's X2	5.567	15.681	5.66	1.542	1.664	3.435	11.612	6.927	
P(Bartlett's X2)	0.135	0.001*	0.129	0.673	0.645	0.329	0.009*	0.074	

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

Column 164: T5 = ([C142]+[C147]+[C153]+[C159])

# University of Georgia

Weed Code	TotalHar	TotalHar	TotalHar	TotalHar	TotalHar	TotalPep	Plot Len	Plot Len	Plot Len	
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	Harveste	feet	acres	mutiply	
Part Rated										
Rating Data Type	box/plot	box/plot	box/plot	box/plot	box/plot	box/plot				
Rating Unit	x-large	large	chopper	cull	suntan	ALL				
Rating Date										
Trt-Eval Interval							42 DA-A	42 DA-A	42 DA-A	
ARM Action Codes	T6	T7	T8	T9	T10	T12	T13	T14	T15	
Trt Treatment	Rate									
No. Name	Rate Unit	165	166	167	168	169	170	171	172	173
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch		55 a	18 a	24 b	4 b	25 a	265 a	398 a	0 a	7 a
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch		50 a	16 ab	23 b	5 ab	20 a	252 ab	395 a	0 a	7 a
3 DMDS 71.3 G/A BC LDPE MULCH		44 b	17 ab	25 b	4 b	21 a	245 b	396 a	0 a	7 a
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch		40 b	13 b	31 a	6 a	13 a	249 b	389 a	0 a	7 a
LSD (P=.05)		5.2	3.7	5.3	1.7	12.1	15.4	13.3	0.0	0.3
Standard Deviation		3.2	2.3	3.3	1.1	7.6	9.6	8.3	0.0	0.2
CV		6.84	14.35	12.87	22.14	38.3	3.8	2.11	2.11	2.18
Bartlett's X2		5.49	2.956	4.057	3.157	6.601	6.371	0.266	0.266	0.247
P(Bartlett's X2)		0.139	0.398	0.255	0.368	0.086	0.095	0.966	0.966	0.97

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

Column 165: T6 = ([C143]+[C148]+[C154]+[C160])

Column 166: T7 = ([C144]+[C149]+[C155]+[C161])

Column 167: T8 = ([C145]+[C150]+[C156]+[C162])

Column 168: T9 = ([C146]+[C151]+[C157]+[C163])

Column 169: T10 = ([C152]+[C158])

Column 170: T12 = [C164]+[C165]+[C166]+[C167]+[C168]+[C169]

Column 171: T13 = [C16]/2

Column 172: T14 = ([C171]\*15)/43560

Column 173: T15 = 1/[C172]



## University of Georgia

Weed Code	harv 1 CPSAN	harv 1 CPSAN	harv 1 CPSAN	harv 1 CPSAN	harv 1 CPSAN	harv 2 CPSAN	harv 2 CPSAN
Crop Code							
Part Rated							
Rating Data Type	box/A	box/A	box/A	box/A	box/A	box/A	box/A
Rating Unit	jumbo	x-large	large	chopper	cull	jumbo	x-large
Rating Date	Jun-04-07	Jun-04-07	Jun-04-07	Jun-04-07	Jun-04-07	Jun-11-07	Jun-11-07
Trt-Eval Interval	105 DA-A	105 DA-A	105 DA-A	105 DA-A	105 DA-A	112 DA-A	112 DA-A
ARM Action Codes	T16	T17	T18	T19	T20	T23	T21
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate
		Unit	Unit	Unit	Unit	Unit	Unit
		174	175	176	177	178	180
1	MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	151 b	54 a	10 a	20 b	3 a	453 ab 97 a
2	MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	155 b	54 a	12 a	20 b	4 a	468 a 89 a
3	DMDS 71.3 G/A BC LDPE MULCH	133 b	46 a	7 a	25 b	2 a	409 b 61 b
4	Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	193 a	57 a	6 a	57 a	7 a	470 a 52 b
LSD (P=.05)		34.3	22.7	5.9	14.5	4.9	47.5 13.1
Standard Deviation		21.4	14.2	3.7	9.0	3.0	29.7 8.2
CV		13.57	26.79	42.29	29.42	73.95	6.6 10.97
Bartlett's X2		2.079	8.13	4.843	8.411	7.76	1.004 1.552
P(Bartlett's X2)		0.556	0.043*	0.184	0.038*	0.051	0.80 0.67

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

Column 174: T16 = [C173]\*139

Column 175: T17 = [C173]\*140

Column 176: T18 = [C144]\*170

Column 177: T19 = [C173]\*142

Column 178: T20 = [C173]\*143

Column 179: T23 = [C147]\*[C173]

Column 180: T21 = [C148]\*[C173]

## University of Georgia

Weed Code	harv 2 CPSAN	harv 2 CPSAN	harv 2 CPSAN	harv 2 CPSAN	harv 3 CPSAN	harv 3 CPSAN	harv 3 CPSAN
Crop Code							
Part Rated							
Rating Data Type	box/A	box/A	box/A	box/A	box/A	box/A	box/A
Rating Unit	large	chopper	cull	suntan	jumbo	x-large	large
Rating Date	Jun-11-07	Jun-11-07	Jun-11-07	Jun-11-07	Jun-18-07	Jun-18-07	Jun-18-07
Trt-Eval Interval	112 DA-A	112 DA-A	112 DA-A	112 DA-A	119 DA-A	119 DA-A	119 DA-A
ARM Action Codes	T22	T24	T25	T26	T27	T28	T29
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate
		Unit	Unit	Unit	Unit	Unit	Unit
		181	182	183	184	185	186
1	MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	5 a	81 a	13 bc	170 a	307 a	170 a
2	MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	4 a	76 a	17 ab	123 ab	298 a	158 ab
3	DMDS 71.3 G/A BC LDPE MULCH	5 a	76 a	12 c	146 ab	318 a	139 bc
4	Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	4 a	104 a	22 a	86 b	317 a	112 c
LSD (P=.05)		2.9	35.9	4.9	72.7	47.1	28.6
Standard Deviation		1.8	22.5	3.1	45.4	29.4	17.9
CV		40.92	26.66	19.25	34.55	9.5	12.35
Bartlett's X2		2.328	4.863	2.264	5.179	2.744	0.94
P(Bartlett's X2)		0.507	0.182	0.519	0.159	0.433	0.925

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

Column 181: T22 = [C173]\*[C149]

Column 182: T24 = [C173]\*[C150]

Column 183: T25 = [C173]\*[C151]

Column 184: T26 = [C173]\*[C152]

Column 185: T27 = [C153]\*[C173]

Column 186: T28 = [C154]\*[C173]

Column 187: T29 = [C155]\*[C173]

## University of Georgia

Weed Code	harv 3 CPSAN	harv 3 CPSAN	harv 3 CPSAN	harv 4 CPSAN	harv 4 CPSAN	harv 4 CPSAN	harv 4 CPSAN
Crop Code							
Part Rated							
Rating Data Type	box/A	box/A	box/A	box/A	box/A	box/A	box/A
Rating Unit	chopper	cull	suntan	jumbo	x-large	large	chopper
Rating Date	Jun-18-07	Jun-18-07	Jun-18-07	Jun-26-07	Jun-26-07	Jun-26-07	Jun-26-07
Trt-Eval Interval	119 DA-A	119 DA-A	119 DA-A	127 DA-A	127 DA-A	127 DA-A	127 DA-A
ARM Action Codes	T30	T31	T32	T33	T34	T35	T36
Trt Treatment	Rate	Rate	Rate	Rate	Rate	Rate	Rate
No. Name	Rate Unit	Rate Unit	Rate Unit	Rate Unit	Rate Unit	Rate Unit	Rate Unit
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	45 ab	12 a	14 a	100 a	79 a	48 ab	30 a
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	37 b	12 a	24 a	100 a	68 a	45 ab	33 a
3 DMDS 71.3 G/A BC LDPE MULCH	48 a	12 a	14 a	114 a	81 a	53 a	33 a
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	50 a	14 a	8 a	108 a	72 a	36 b	23 a
LSD (P=.05)	10.2	5.4	26.5	28.8	13.6	11.3	13.2
Standard Deviation	6.4	3.4	16.6	18.0	8.5	7.1	8.3
CV	14.05	26.99	110.45	17.1	11.32	15.58	27.76
Bartlett's X2	7.473	4.454	13.167	3.899	1.489	0.723	2.418
P(Bartlett's X2)	0.058	0.216	0.004*	0.273	0.685	0.868	0.49

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

Column 188: T30 = [C156]\*[C173]

Column 189: T31 = [C173]\*[C157]

Column 190: T32 = [C173]\*[C158]

Column 191: T33 = [C159]\*[C173]

Column 192: T34 = [C160]\*[C173]

Column 193: T35 = [C161]\*[C173]

Column 194: T36 = [C162]\*[C173]

# University of Georgia

Weed Code	harv 4 CPSAN	TotalHar CPSAN	TotalHar CPSAN	TotalHar CPSAN	TotalHar CPSAN	TotalHar CPSAN	TotalHar CPSAN	TotalHar CPSAN	TotalPep Harveste	Value of Jumbo
Crop Code										
Part Rated										
Rating Data Type	box/A	box/A	box/A	box/A	box/A	box/A	box/A	box/A	box/A	box
Rating Unit	cull	jumbo	x-large	large	chopper	cull	suntan	ALL		\$
Rating Date	Jun-26-07									
Trt-Eval Interval	127 DA-A									
ARM Action Codes	T37	T38	T39	T40	T41	T42	T43	T44		
Trt Treatment	Rate									
No. Name	Rate Unit	195	196	197	198	199	200	201	202	204
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	2 a	1011 b	401 a	134 a	176 b	30 b	184 a	1937 a	10 a	
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	2 a	1020 ab	369 a	117 ab	166 b	36 ab	147 a	1855 ab	10 a	
3 DMDS 71.3 G/A BC LDPE MULCH	2 a	974 b	327 b	128 ab	183 b	28 b	161 a	1801 b	10 a	
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	5 a	1088 a	294 b	101 b	234 a	47 a	94 a	1858 ab	10 a	
LSD (P=.05)	4.3	72.0	41.7	26.6	38.9	12.0	84.3	91.2	0.0	
Standard Deviation	2.7	45.0	26.1	16.6	24.3	7.5	52.7	57.0	0.0	
CV	98.59	4.4	7.5	13.87	12.81	21.25	35.98	3.06	0.06	
Bartlett's X2	11.95	0.527	0.851	0.382	4.99	1.625	6.962	2.22	0.0	
P(Bartlett's X2)	0.008*	0.913	0.837	0.944	0.173	0.654	0.073	0.528	.	

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

Column 195: T37 = [C163]\*[C173]

Column 196: T38 = [C164]\*[C173]

Column 197: T39 = [C165]\*[C173]

Column 198: T40 = [C166]\*[C173]

Column 199: T41 = [C167]\*[C173]

Column 200: T42 = [C168]\*[C173]

Column 201: T43 = [C169]\*[C173]

Column 202: T44 = [C170]\*[C173]

## University of Georgia

Weed Code	Value of X-Large	Value of Large	Value of Choice	Value of Jumbo	Value of X-Large	Value of Large	Value of Choice	Total Value	Fum/Mulc Costs	
Crop Code										
Part Rated										
Rating Data Type	box	box	box	per plot	per plot	per plot	per plot	per A	A	
Rating Unit	\$	\$	\$	\$	\$	\$	\$	\$	\$	
Rating Date										
Trt-Eval Interval										
ARM Action Codes				T48	T49	T50	T51	T52		
Trt Treatment	Rate									
No. Name	Rate Unit	205	206	207	209	210	211	212	214	215
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	9 a	9 a	6 a	9794 b	3704 a	1272 a	970 b	15740 a	1020 b	
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	9 a	9 a	6 a	9885 ab	3410 a	1108 ab	914 b	15317 ab	1531 a	
3 DMDS 71.3 G/A BC LDPE MULCH	9 a	9 a	6 a	9440 b	3019 b	1214 ab	1007 b	14681 b	777 c	
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	9 a	9 a	6 a	10540 a	2716 b	955 b	1286 a	15497 a	777 c	
LSD (P=.05)	0.0	0.0	0.0	697.2	385.2	252.3	214.0	636.6	0.0	
Standard Deviation	0.0	0.0	0.0	435.9	240.9	157.7	133.8	398.0	0.0	
CV	0.0	0.0	0.0	4.4	7.5	13.87	12.81	2.6	0.0	
Bartlett's X2	0.0	0.0	0.0	0.527	0.851	0.382	4.989	2.241	0.0	
P(Bartlett's X2)	.	.	.	0.913	0.837	0.944	0.173	0.524	.	

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

Column 207: T48 = [C204]\*[C196]

Column 208: T49 = [197]\*[205]

Column 209: T50 = [206]\*[198]

Column 210: T51 = [199]\*[207]

Column 211: T52 = [209]+[210]+[211]+[212]

# University of Georgia

Weed Code	Returns
Crop Code	minusF/M
Part Rated	
Rating Data Type	
Rating Unit	
Rating Date	
Trt-Eval Interval	
ARM Action Codes	T53
Trt Treatment	Rate
No. Name	Rate Unit
	216
1 MB 57:43 357 lb/A BC LDPE 1.25 mil mulch	14720 a
2 MIDAS 174.1 lb/A BC Blocade 1.3 mil mulch	13786 b
3 DMDS 71.3 G/A BC LDPE MULCH	13904 b
4 Telone II 11 GPA BC Chloropic 150.8 lb/A BC Vapam 75 GPA LDPE Mulch	14720 a
LSD (P=.05)	636.6
Standard Deviation	398.0
CV	2.79
Bartlett's X2	2.241
P(Bartlett's X2)	0.524

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

Column 213: T53 = [214]-[215]

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# University of Georgia

	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



# University of Georgia

## WEED STAGE AT EACH APPLICATION

	A
<b>Weed 1 Code, Stage:</b>	CYPZZ preplant
<b>Stage Scale:</b>	not up
<b>Density, Unit:</b>	see data
<b>Weed 2 Code, Stage:</b>	IPOLA preplant
<b>Stage Scale:</b>	not up
<b>Density, Unit:</b>	see data
<b>Weed 3 Code, Stage:</b>	IAQTA preplant
<b>Stage Scale:</b>	not up
<b>Density, Unit:</b>	see data
<b>Weed 4 Code, Stage:</b>	PORPI preplant
<b>Stage Scale:</b>	not up
<b>Density, Unit:</b>	see data
<b>Weed 5 Code, Stage:</b>	AMALI preplant
<b>Stage Scale:</b>	not up
<b>Density, Unit:</b>	see data

## APPLICATION EQUIPMENT

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

Trt No	Treatment Application Comment