

# University of Georgia

**Transplant watermelon tolerance to Reflex and Sinbar.**

Trial ID: Veg30-07  
 Location: Cordele

Study Dir.: Tucker Price  
 Investigator: Stanley Culpepper

Reps: 4                      Plots: 12 by 25 feet  
 Spray vol: 14.8 gal/ac      Mix size: 2 liters (min 1.5434)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Grow Stg	Appl Code	Amt to Measure	Product	Plot No. By Rep			
										1	2	3	4
1	Curbit Mulch	4	L		1 QT/A	PREPLANT	B	33.78 ml/mx		101	209	301	407
2	Curbit No Mulch	4	L		1 QT/A	POST	A	33.78 ml/mx		102	210	302	408
3	Curbit Reflex Mulch	4	L		1 QT/A	PREPLANT	A	33.78 ml/mx		103	203	309	403
		2	L		1 PT/A	PREPLANT	A	16.89 ml/mx					
4	Curbit Reflex No Mulch	4	L		1 QT/A	POST	B	33.78 ml/mx		104	204	310	404
		2	L		1 PT/A	PREPLANT	A	16.89 ml/mx					
5	Curbit Sinbar Mulch	4	L		1 QT/A	PREPLANT	A	33.78 ml/mx		105	207	307	409
		80	DF		3 OZ/A	PREPLANT	A	3.036 g/mx					
6	Curbit Sinbar No Mulch	4	L		1 QT/A	POST	B	33.78 ml/mx		106	208	308	410
		80	DF		3 OZ/A	PREPLANT	A	3.036 g/mx					
7	Curbit Sinbar Mulch	4	L		1 QT/A	PREPLANT	A	33.78 ml/mx		107	205	303	401
		80	DF		6 OZ/A	PREPLANT	A	6.072 g/mx					
8	Curbit Sinbar No Mulch	4	L		1 QT/A	POST	B	33.78 ml/mx		108	206	304	402
		80	DF		6 OZ/A	PREPLANT	A	6.072 g/mx					
9	Curbit Sinbar Reflex Mulch	4	L		1 QT/A	PREPLANT	A	33.78 ml/mx		109	201	305	405
		80	DF		3 OZ/A	PREPLANT	A	3.036 g/mx					
		2	L		1 PT/A	PREPLANT	A	16.89 ml/mx					
10	Curbit Sinbar Reflex No Mulch	4	L		1 QT/A	POST	B	33.78 ml/mx		110	202	306	406
		80	DF		3 OZ/A	PREPLANT	A	3.036 g/mx					
		2	L		1 PT/A	PREPLANT	A	16.89 ml/mx					

Sort Order: Treatment

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

Amount*	Unit	Treatment Name	Form Conc	Form Type	Lot Code
422.253	ml	Curbit	4	L	
84.451	ml	Reflex	2	L	
30.362	g	Sinbar	80	DF	

\* 'Per area' calculations based on spray volume= 14.8 gal/ac, mix size= 2 liters (mix size basis).  
 \* Product amount calculations increased 25 % for overage adjustment.

# University of Georgia

## Transplant watermelon tolerance to Reflex and Sinbar.

Trial ID: Veg30-07

Study Dir.: Tucker Price

Location: Cordele

Investigator: Stanley Culpepper

### Trial Comments

**OBJECTIVE:** Determine watermelon tolerance to Sinbar and Reflex in bareground or mulched production systems.

**INJURY:**

1. No treatment caused more than 8% visual stunting at any time during the season.

**RUNNER LENGTHS** (Main effect means significant and are reported):

1. Runner lengths were only impacted by the Curbit + Sinbar + Reflex treatment with vines 8% shorter than other treatments 6 WAT. No stunting from Reflex or Sinbar applied alone was noted.

**WEED CONTROL** (Main effect means were significant or dominant and are reported):

**Tropic Croton:**

1. At 6 WAT, all treatments provided excellent control.

**Palmer amaranth:**

1. At 6 WAP, Curbit provided only 13 percent control. Adding Sinbar 3 or 6 oz to Curbit improved control to 74% and 90% respectively. Systems with Reflex provided at least 97% control.

**Yellow nutsedge:**

1. At 6 WAT, Curbit provided no control. Adding Sinbar at 3 or 6 oz/A improved control to 70 to 75% control. Reflex systems provided at least 93% control.

**Pitted morningglory:**

1. At 6 WAT, Curbit and Curbit plus Reflex provided no control. Sinbar mixed with Curbit improved control to 61% when applied at 3 oz and 85% when applied at 6 oz.

**YIELD** (The entire plot was picked as a once over harvest, main effect means were significant and are reported):

**Melons less than 10 lbs in size:**

1. More melons were harvested in plots treated with Reflex plus Sinbar or with Sinbar at 6 oz.
2. Melons on mulch produced 38% more fruit than on bareground.

**Melons 10 to 20 lbs in size:**

1. Plots treated with Reflex or Sinbar provided greater yields than Curbit alone.
2. Production on mulch was 57% greater than on bareground.

**Melons greater than 20 lbs in size:**

1. Generally greater yields were noted in programs including Sinbar, likely because of morningglory control.

**All melons:**

1. Generally, greatest yields were noted in the Sinbar plus Reflex system and Sinbar at 6 oz/A system.
2. Twenty one percent more melon fruit were harvested from mulch.

**GENERAL COMMENTS:**

1. Mulched treatments were applied followed by irrigation 3 hours later. Transplants were planted 1 d later.

# University of Georgia

Transplant watermelon tolerance to Reflex and Sinbar.

Trial ID: Veg30-07

Study Dir.: Tucker Price

Location: Cordele

Investigator: Stanley Culpepper

Weed Code			CYPES	CYPES	CYPES	AMAPA	AMAPA	AMAPA	CVGNS		
Crop Code	CITLA	CITLA	CYPES	CYPES	CYPES	AMAPA	AMAPA	AMAPA	CVGNS		
Rating Data Type	injury	injury	control	control	control	control	control	control	control		
Rating Unit	%	%	%	%	%	%	%	%	%		
Rating Date	May-11-07	Jun-03-07	May-11-07	Jun-03-07	Jun-19-07	May-11-07	Jun-03-07	Jun-19-07	May-11-07		
Assessed By	SC	SC	SC	SC	SC	SC	SC	SC	SC		
ARM Action Codes											
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
1	2	3	4	5	6	7	8	9			
1	Curbit Mulch	1 QT/A	0 b	0 b	5 c	0 e	0 c	10 b	71 b	26 c	10 b
2	Curbit No Mulch	1 QT/A	0 b	0 b	0 c	0 e	0 c	0 b	68 b	0 d	0 c
3	Curbit Reflex Mulch	1 QT/A 1 PT/A	0 b	0 b	75 ab	79 bcd	93 a	98 a	96 a	96 a	98 a
4	Curbit Reflex No Mulch	1 QT/A 1 PT/A	1 ab	1 b	91 ab	88 abc	93 a	98 a	97 a	97 a	98 a
5	Curbit Sinbar Mulch	1 QT/A 3 OZ/A	0 b	0 b	68 b	71 d	71 b	99 a	90 a	71 b	98 a
6	Curbit Sinbar No Mulch	1 QT/A 3 OZ/A	1 ab	0 b	75 ab	75 cd	71 b	87 a	89 a	76 b	98 a
7	Curbit Sinbar Mulch	1 QT/A 6 OZ/A	2 ab	0 b	74 ab	82 a-d	71 b	91 a	96 a	87 a	97 a
8	Curbit Sinbar No Mulch	1 QT/A 6 OZ/A	4 a	3 b	79 ab	85 a-d	73 b	92 a	97 a	92 a	97 a
9	Curbit Sinbar Reflex Mulch	1 QT/A 3 OZ/A 1 PT/A	0 b	0 b	86 ab	93 ab	96 a	96 a	99 a	97 a	99 a
10	Curbit Sinbar Reflex No Mulch	1 QT/A 3 OZ/A 1 PT/A	2 ab	9 a	97 a	96 a	96 a	99 a	99 a	97 a	99 a
LSD (P=.05)			2.9	2.9	22.7	14.2	5.2	12.6	8.6	9.2	6.3
Standard Deviation			2.0	2.0	15.7	9.8	3.6	8.7	5.9	6.3	4.3
CV			205.1	158.21	24.1	14.63	5.38	11.3	6.58	8.54	5.48
Bartlett's X2			0.486	1.762	16.675	9.994	4.765	50.334	18.193	17.55	34.435
P(Bartlett's X2)			0.975	0.414	0.034*	0.189	0.689	0.001*	0.02*	0.025*	0.001*

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

# University of Georgia

Weed Code	CVGNS	CVGNS	IOPLA	IPOLA	plant 1 CITLA	plant 2 CITLA	plant 3 CITLA	plant 4 CITLA	plant 5 CITLA		
Crop Code											
Rating Data Type	control	control	control	control	ht	ht	ht	ht	ht		
Rating Unit	%	%	%	%	cm	cm	cm	cm	cm		
Rating Date	Jun-03-07	Jun-19-07	Jun-03-07	Jun-19-07	Jun-10-07	Jun-10-07	Jun-10-07	Jun-10-07	Jun-10-07		
Assessed By											
ARM Action Codes											
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
10	11	12	13	14	15	16	17	18			
1	Curbit Mulch	1 QT/A	20 d	0 b	20 d	0 d	35 a	28 abc	38 a	36 ab	39 a
2	Curbit No Mulch	1 QT/A	20 d	0 b	20 d	0 d	15 c	23 bcd	25 bc	18 c	22 b
3	Curbit Reflex Mulch	1 QT/A 1 PT/A	93 c	95 a	53 b	0 d	35 a	34 ab	35 ab	42 a	40 a
4	Curbit Reflex No Mulch	1 QT/A 1 PT/A	95 bc	95 a	38 c	0 d	19 c	19 cd	21 c	17 c	20 b
5	Curbit Sinbar Mulch	1 QT/A 3 OZ/A	96 ab	93 a	96 a	63 c	35 a	32 ab	38 a	36 ab	35 a
6	Curbit Sinbar No Mulch	1 QT/A 3 OZ/A	96 ab	94 a	96 a	60 c	20 bc	20 cd	19 c	21 c	23 b
7	Curbit Sinbar Mulch	1 QT/A 6 OZ/A	96 ab	92 a	96 a	83 ab	28 ab	34 ab	28 abc	30 b	41 a
8	Curbit Sinbar No Mulch	1 QT/A 6 OZ/A	96 ab	96 a	96 a	86 a	21 bc	16 d	16 c	16 c	22 b
9	Curbit Sinbar Reflex Mulch	1 QT/A 3 OZ/A 1 PT/A	98 a	95 a	94 a	66 bc	36 a	39 a	39 a	37 ab	36 a
10	Curbit Sinbar Reflex No Mulch	1 QT/A 3 OZ/A 1 PT/A	98 a	97 a	86 a	66 bc	18 c	20 cd	18 c	16 c	16 b
LSD (P=.05)	2.4	4.6	9.3	17.8	8.6	10.6	10.6	8.5	10.7		
Standard Deviation	1.6	3.2	6.4	12.3	5.9	7.3	7.3	5.9	7.4		
CV	2.03	4.23	9.29	28.97	22.62	27.66	26.51	21.93	25.11		
Bartlett's X2	0.174	3.265	25.528	3.591	7.427	12.557	6.22	17.888	10.955		
P(Bartlett's X2)	1.00	0.859	0.001*	0.61	0.593	0.184	0.718	0.036*	0.279		

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

# University of Georgia

Weed Code	plant 6	plant 7	plant 8	plant 9	plant 10	plant 11	plant 12	AVG12PLA	plant 1		
Crop Code	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA		
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	ht		
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm		
Rating Date	Jun-10-07	Jun-10-07	Jun-10-07	Jun-10-07	Jun-10-07	Jun-10-07	Jun-10-07	Jun-10-07	Jun-24-07		
Assessed By											
ARM Action Codes								T4			
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
19	20	21	22	23	24	25	26	28			
1	Curbit Mulch	1 QT/A	39 a	36 b	33 ab	40 a	34 a	44 a	33 abc	36 a	127 a
2	Curbit No Mulch	1 QT/A	18 b	20 d	22 bc	22 b	21 b	22 c	19 c	21 b	77 b
3	Curbit Reflex Mulch	1 QT/A 1 PT/A	46 a	41 ab	36 a	41 a	45 a	44 a	39 a	40 a	133 a
4	Curbit Reflex No Mulch	1 QT/A 1 PT/A	16 b	20 d	20 c	21 b	16 b	17 c	17 c	19 b	81 b
5	Curbit Sinbar Mulch	1 QT/A 3 OZ/A	42 a	41 ab	35 a	37 a	39 a	36 ab	39 a	37 a	116 a
6	Curbit Sinbar No Mulch	1 QT/A 3 OZ/A	24 b	27 c	23 bc	22 b	20 b	19 c	21 bc	22 b	79 b
7	Curbit Sinbar Mulch	1 QT/A 6 OZ/A	40 a	35 b	35 a	36 a	38 a	35 ab	33 abc	34 a	128 a
8	Curbit Sinbar No Mulch	1 QT/A 6 OZ/A	22 b	18 d	22 bc	23 b	18 b	21 c	18 c	19 b	71 b
9	Curbit Sinbar Reflex Mulch	1 QT/A 3 OZ/A 1 PT/A	40 a	46 a	44 a	43 a	44 a	33 b	35 ab	39 a	117 a
10	Curbit Sinbar Reflex No Mulch	1 QT/A 3 OZ/A 1 PT/A	21 b	17 d	20 c	19 b	16 b	17 c	18 c	18 b	71 b
LSD (P=.05)	11.5	6.7	11.0	8.6	12.4	9.0	14.1	5.5	27.5		
Standard Deviation	7.9	4.6	7.6	6.0	8.6	6.2	9.7	3.8	19.0		
CV	25.67	15.43	26.33	19.69	29.42	21.67	35.83	13.43	18.99		
Bartlett's X2	7.158	6.722	2.28	14.511	17.814	3.424	24.958	10.783	8.463		
P(Bartlett's X2)	0.621	0.666	0.986	0.105	0.037*	0.945	0.003*	0.291	0.488		

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

Column 26: T4 = @AVG([C14],[C25])

## University of Georgia

Weed Code	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7	plant 8	plant 9	plant 10		
Crop Code	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA		
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	ht		
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm		
Rating Date	Jun-24-07	Jun-24-07	Jun-24-07	Jun-24-07	Jun-24-07	Jun-24-07	Jun-24-07	Jun-24-07	Jun-24-07		
Assessed By											
ARM Action Codes											
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
1	Curbit Mulch	1 QT/A	112 bcd	105 ab	102 cd	110 ab	125 ab	121 ab	116 abc	120 ab	119 ab
2	Curbit No Mulch	1 QT/A	95 cde	102 ab	92 de	97 abc	97 bc	86 cd	86 bcd	97 bc	81 bc
3	Curbit Reflex Mulch	1 QT/A 1 PT/A	123 bc	114 ab	154 a	111 ab	128 ab	130 ab	144 a	139 a	134 a
4	Curbit Reflex No Mulch	1 QT/A 1 PT/A	75 e	79 b	75 ef	70 c	74 c	88 cd	78 cd	85 c	82 bc
5	Curbit Sinbar Mulch	1 QT/A 3 OZ/A	135 ab	106 ab	144 a	108 ab	137 a	137 a	118 ab	134 a	144 a
6	Curbit Sinbar No Mulch	1 QT/A 3 OZ/A	90 de	81 b	87 def	89 bc	98 bc	89 cd	89 bcd	82 c	88 bc
7	Curbit Sinbar Mulch	1 QT/A 6 OZ/A	160 a	114 ab	120 bc	129 a	124 ab	115 abc	143 a	124 ab	156 a
8	Curbit Sinbar No Mulch	1 QT/A 6 OZ/A	78 e	79 b	86 def	95 abc	85 c	75 d	82 bcd	86 c	74 c
9	Curbit Sinbar Reflex Mulch	1 QT/A 3 OZ/A 1 PT/A	124 bc	128 a	136 ab	108 ab	129 ab	107 bc	114 abc	128 ab	118 ab
10	Curbit Sinbar Reflex No Mulch	1 QT/A 3 OZ/A 1 PT/A	80 e	83 b	66 f	63 c	72 c	72 d	56 d	66 c	62 c
LSD (P=.05)			27.7	33.1	20.3	33.0	33.6	26.6	33.8	29.7	39.0
Standard Deviation			19.1	22.8	14.0	22.7	23.1	18.3	23.3	20.5	26.9
CV			17.79	23.03	13.2	23.23	21.66	18.02	22.69	19.37	25.4
Bartlett's X2			16.374	12.602	12.704	20.648	19.722	9.412	11.956	9.611	10.181
P(Bartlett's X2)			0.059	0.181	0.176	0.014*	0.02*	0.40	0.216	0.383	0.336

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

# University of Georgia

Weed Code	plant 11	plant 12	AVG12PLA	harv	harv	harv	harv	harv	harv
Crop Code	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA
Rating Data Type	ht	ht	ht	<10	<10	<10	<10	<10	<10
Rating Unit	cm	cm	cm	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs
Rating Date	Jun-24-07	Jun-24-07	Jun-24-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07
Assessed By									
ARM Action Codes			T5						
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate
1	Curbit Mulch	1 QT/A							
2	Curbit No Mulch	1 QT/A							
3	Curbit Reflex Mulch	1 QT/A 1 PT/A							
4	Curbit Reflex No Mulch	1 QT/A 1 PT/A							
5	Curbit Sinbar Mulch	1 QT/A 3 OZ/A							
6	Curbit Sinbar No Mulch	1 QT/A 3 OZ/A							
7	Curbit Sinbar Mulch	1 QT/A 6 OZ/A							
8	Curbit Sinbar No Mulch	1 QT/A 6 OZ/A							
9	Curbit Sinbar Reflex Mulch	1 QT/A 3 OZ/A 1 PT/A							
10	Curbit Sinbar Reflex No Mulch	1 QT/A 3 OZ/A 1 PT/A							
LSD (P=.05)	26.6	28.5	16.5	1.4	0.7	1.1	1.3	1.5	2.2
Standard Deviation	18.3	19.6	11.3	1.0	0.5	0.7	0.9	1.0	1.5
CV	17.86	19.73	11.02	19.99	9.22	12.74	15.41	16.16	24.49
Bartlett's X2	9.052	11.893	11.556	49.066	14.152	25.978	31.404	27.8	34.564
P(Bartlett's X2)	0.432	0.219	0.24	0.001*	0.117	0.002*	0.001*	0.001*	0.001*
	38	39	40	42	43	44	45	46	47
	137 a	118 abc	118 a	5 a	6 abc	6 ab	6 ab	6 ab	4 b
	88 bc	77 e	89 b	6 a	6 a	6 ab	7 ab	8 a	8 a
	127 a	109 bcd	129 a	5 a	5 bc	5 b	6 ab	6 b	6 ab
	82 bc	73 e	78 bc	5 a	5 bc	6 ab	6 ab	6 ab	6 ab
	110 ab	142 a	127 a	5 a	5 bc	5 b	5 ab	6 b	6 ab
	77 c	73 e	85 bc	4 a	5 bc	6 ab	6 ab	6 ab	7 ab
	138 a	118 abc	130 a	4 a	5 c	5 b	5 b	6 b	6 ab
	85 bc	88 cde	82 bc	5 a	6 abc	7 a	7 a	7 ab	8 a
	121 a	120 ab	121 a	5 a	5 c	5 b	6 ab	6 b	6 ab
	61 c	79 de	69 c	5 a	6 ab	6 ab	7 ab	7 ab	7 a

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

Column 39: T5 = @AVG([C28].[C39])

# University of Georgia

Weed Code	harv CITLA	harv CITLA	harv CITLA	harv CITLA	harv CITLA	harv CITLA	harv CITLA	harv CITLA	harv CITLA		
Crop Code	<10	<10	<10	<10	<10	<10	<10	<10	<10		
Rating Data Type	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs		
Rating Unit	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07		
Rating Date											
Assessed By											
ARM Action Codes											
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit		
48	49	50	51	52	53	54	55	56			
1	Curbit Mulch	1 QT/A	5 a	5 a	5 a	5 a	5 a	6 ab	4 a	4 ab	
2	Curbit No Mulch	1 QT/A	6 a	3 a	4 a	4 a	3 a	3 a	1 b	2 a	0 b
3	Curbit Reflex Mulch	1 QT/A 1 PT/A	6 a	159 a	6 a	6 a	6 a	7 a	7 a	7 a	7 a
4	Curbit Reflex No Mulch	1 QT/A 1 PT/A	5 a	5 a	5 a	5 a	5 a	6 a	6 a	2 a	2 ab
5	Curbit Sinbar Mulch	1 QT/A 3 OZ/A	6 a	6 a	6 a	6 a	6 a	6 a	6 a	6 a	6 a
6	Curbit Sinbar No Mulch	1 QT/A 3 OZ/A	7 a	4 a	4 a	5 a	5 a	5 a	5 ab	5 a	5 a
7	Curbit Sinbar Mulch	1 QT/A 6 OZ/A	6 a	6 a	6 a	6 a	6 a	6 a	6 a	7 a	7 a
8	Curbit Sinbar No Mulch	1 QT/A 6 OZ/A	8 a	5 a	6 a	6 a	6 a	3 a	3 ab	3 a	3 ab
9	Curbit Sinbar Reflex Mulch	1 QT/A 3 OZ/A 1 PT/A	6 a	6 a	6 a	6 a	7 a	7 a	7 a	7 a	7 a
10	Curbit Sinbar Reflex No Mulch	1 QT/A 3 OZ/A 1 PT/A	5 a	5 a	5 a	5 a	5 a	5 a	5 ab	6 a	6 a
LSD (P=.05)			3.3	141.3	3.9	4.0	3.8	4.1	3.9	4.4	4.3
Standard Deviation			2.3	97.3	2.7	2.8	2.6	2.8	2.7	3.0	3.0
CV			39.42	474.56	50.98	50.78	48.63	52.57	50.33	62.37	63.27
Bartlett's X2			39.79	194.19	43.013	46.373	49.207	45.903	41.696	45.248	42.453
P(Bartlett's X2)			0.001*	0.001*	0.001*	0.001*	0.001*	0.001*	0.001*	0.001*	0.001*

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



# University of Georgia

Weed Code	harv CITLA	harv CITLA	harv CITLA	harv CITLA	harv CITLA	harv CITLA	harv CITLA	harv CITLA	harv CITLA		
Crop Code	<10	<10	<10	<10	<10	<10	<10	<10	<10		
Rating Data Type	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs		
Rating Unit	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07		
Rating Date											
Assessed By											
ARM Action Codes											
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
Unit	Rate	Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit		
57	58	59	60	61	62	63	64	65			
1	Curbit Mulch	1 QT/A	2 bc	2 bc	2 bc	2 bc	2 bc	2 bc	2 a	2 bc	2 cd
2	Curbit No Mulch	1 QT/A	0 c	0 c	0 c	0 c	0 c	0 c	0 a	0 c	0 d
3	Curbit Reflex Mulch	1 QT/A 1 PT/A	7 a	7 a	7 a	7 a	8 a	8 a	8 a	8 a	9 a
4	Curbit Reflex No Mulch	1 QT/A 1 PT/A	0 c	0 c	0 c	0 c	0 c	0 c	0 a	0 c	0 d
5	Curbit Sinbar Mulch	1 QT/A 3 OZ/A	6 a	6 a	7 a	7 a	7 a	7 a	7 a	7 a	7 ab
6	Curbit Sinbar No Mulch	1 QT/A 3 OZ/A	5 ab	5 ab	5 ab	5 ab	5 ab	5 ab	5 a	5 ab	6 abc
7	Curbit Sinbar Mulch	1 QT/A 6 OZ/A	7 a	7 a	7 a	7 a	7 a	7 a	7 a	7 a	8 ab
8	Curbit Sinbar No Mulch	1 QT/A 6 OZ/A	4 abc	4 abc	4 abc	4 abc	4 abc	4 abc	4 a	4 abc	4 a-d
9	Curbit Sinbar Reflex Mulch	1 QT/A 3 OZ/A 1 PT/A	7 a	7 a	7 a	7 a	7 a	8 a	192 a	8 a	8 ab
10	Curbit Sinbar Reflex No Mulch	1 QT/A 3 OZ/A 1 PT/A	6 a	3 abc	3 abc	4 abc	4 abc	4 abc	4 a	4 abc	4 bcd
LSD (P=.05)			3.3	3.5	3.6	3.7	3.7	3.8	169.5	4.0	4.1
Standard Deviation			2.3	2.4	2.5	2.5	2.6	2.6	116.8	2.7	2.8
CV			52.3	58.48	58.37	58.7	58.84	59.26	508.62	60.08	59.98
Bartlett's X2			35.638	33.179	32.708	34.016	33.199	30.087	159.556	30.076	31.674
P(Bartlett's X2)			0.001*	0.001*	0.001*	0.001*	0.001*	0.001*	0.001*	0.001*	0.001*

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

# University of Georgia

Weed Code	harv	harv	harv	harv	harv	harv	harv	harv	harv	
Crop Code	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	
Rating Data Type	<10	<10	<10	<10	<10	<10	<10	<10	<10	
Rating Unit	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	
Rating Date	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	
Assessed By										
ARM Action Codes										
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
		Unit								
66			67	68	69	70	71	72	73	74
1	Curbit Mulch	1 QT/A	0 c	0 b	0 b	0 b	0 a	0 b	0 c	0 c
2	Curbit No Mulch	1 QT/A	0 c	0 b	0 b	0 b	0 a	0 b	0 c	0 c
3	Curbit Reflex Mulch	1 QT/A 1 PT/A	9 a	6 a	6 a	7 a	4 a	4 ab	5 abc	2 bc
4	Curbit Reflex No Mulch	1 QT/A 1 PT/A	0 c	0 b	0 b	0 b	0 a	0 b	0 c	0 c
5	Curbit Sinbar Mulch	1 QT/A 3 OZ/A	7 ab	7 a	8 a	8 a	8 a	8 a	8 a	8 a
6	Curbit Sinbar No Mulch	1 QT/A 3 OZ/A	6 ab	6 a	6 a	6 a	6 a	6 a	6 ab	6 ab
7	Curbit Sinbar Mulch	1 QT/A 6 OZ/A	8 ab	8 a	8 a	8 a	8 a	8 a	8 a	9 a
8	Curbit Sinbar No Mulch	1 QT/A 6 OZ/A	4 b	4 ab	4 ab	4 ab	4 a	4 ab	5 abc	5 abc
9	Curbit Sinbar Reflex Mulch	1 QT/A 3 OZ/A 1 PT/A	8 ab	8 a	8 a	6 a	204 a	6 a	6 ab	6 ab
10	Curbit Sinbar Reflex No Mulch	1 QT/A 3 OZ/A 1 PT/A	4 bc	4 ab	4 ab	4 ab	4 a	4 ab	2 bc	2 bc
LSD (P=.05)			3.7	4.0	4.1	4.7	181.7	5.0	4.9	4.5
Standard Deviation			2.5	2.8	2.8	3.2	125.2	3.5	3.4	3.1
CV			56.23	63.97	63.98	75.89	525.0	83.51	83.69	82.9
Bartlett's X2			31.709	26.318	23.663	18.262	134.33	16.874	14.684	13.559
P(Bartlett's X2)			0.001*	0.001*	0.001*	0.006*	0.001*	0.01*	0.023*	0.035*

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

## University of Georgia

Weed Code	harv CITLA	harv CITLA	harv CITLA	harv CITLA	harv CITLA	harv CITLA	harv CITLA	harv CITLA	harv CITLA	
Crop Code	<10	<10	<10	<10	<10	<10	<10	<10	<10	
Rating Data Type	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	
Rating Unit	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	
Rating Date										
Assessed By										
ARM Action Codes										
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
Unit										
75	76	77	78	79	80	81	82	83		
1	Curbit Mulch	1 QT/A	0 c	0 b	0 b	0 b	0 b	0 a	0 a	0 a
2	Curbit No Mulch	1 QT/A	0 c	0 b	0 b	0 b	0 b	0 a	0 a	0 a
3	Curbit Reflex Mulch	1 QT/A 1 PT/A	2 bc	2 ab	0 b	0 b	0 b	0 a	0 a	0 a
4	Curbit Reflex No Mulch	1 QT/A 1 PT/A	0 c	0 b	0 b	0 b	0 b	0 a	0 a	0 a
5	Curbit Sinbar Mulch	1 QT/A 3 OZ/A	9 a	6 a	6 a	6 a	7 a	4 a	2 a	2 a
6	Curbit Sinbar No Mulch	1 QT/A 3 OZ/A	6 ab	7 a	4 ab	4 ab	4 ab	2 a	2 a	2 a
7	Curbit Sinbar Mulch	1 QT/A 6 OZ/A	7 ab	7 a	4 ab	4 ab	4 ab	4 a	2 a	2 a
8	Curbit Sinbar No Mulch	1 QT/A 6 OZ/A	5 abc	2 ab	2 ab	2 ab	2 ab	0 a	0 a	0 a
9	Curbit Sinbar Reflex Mulch	1 QT/A 3 OZ/A 1 PT/A	7 ab	7 a	7 a	7 a	7 a	5 a	5 a	2 a
10	Curbit Sinbar Reflex No Mulch	1 QT/A 3 OZ/A 1 PT/A	2 bc	2 ab	2 ab	2 ab	2 ab	2 a	2 a	2 a
LSD (P=.05)			4.9	5.2	4.8	4.9	5.0	4.9	4.6	4.6
Standard Deviation			3.4	3.6	3.3	3.4	3.5	3.4	3.1	3.2
CV			91.99	110.12	128.93	128.87	128.96	192.05	237.9	288.77
Bartlett's X2			5.115	0.157	0.166	0.178	0.159	0.29	0.584	0.17
P(Bartlett's X2)			0.529	1.00	0.999	0.999	0.999	0.99	0.965	0.997

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

# University of Georgia

Weed Code	harv	harv	harv	harv	harv	harv	harv	harv	harv	
Crop Code	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	
Rating Data Type	<10	<10	<10	<10	<10	<10	<10	<10	<10 lb	
Rating Unit	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	
Rating Date	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	
Assessed By										
ARM Action Codes										
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
Unit										
84	85	86	87	88	89	90	91	92		
1	Curbit Mulch	1 QT/A	0 a	0 a	0 a	0 a	0 a	0 a	0 a	
2	Curbit No Mulch	1 QT/A	0 a	0 a	0 a	0 a	0 a	0 a	0 a	
3	Curbit Reflex Mulch	1 QT/A 1 PT/A	0 a	0 a	0 a	0 a	0 a	0 a	0 a	
4	Curbit Reflex No Mulch	1 QT/A 1 PT/A	0 a	0 a	0 a	0 a	0 a	0 a	0 a	
5	Curbit Sinbar Mulch	1 QT/A 3 OZ/A	2 a	2 a	2 a	2 a	2 a	2 a	2 a	
6	Curbit Sinbar No Mulch	1 QT/A 3 OZ/A	2 a	2 a	2 a	2 a	0 a	0 a	0 a	
7	Curbit Sinbar Mulch	1 QT/A 6 OZ/A	2 a	2 a	2 a	0 a	0 a	0 a	0 a	
8	Curbit Sinbar No Mulch	1 QT/A 6 OZ/A	0 a	0 a	0 a	0 a	0 a	0 a	0 a	
9	Curbit Sinbar Reflex Mulch	1 QT/A 3 OZ/A 1 PT/A	2 a	2 a	0 a	0 a	0 a	0 a	0 a	
10	Curbit Sinbar Reflex No Mulch	1 QT/A 3 OZ/A 1 PT/A	2 a	0 a	0 a	0 a	0 a	0 a	0 a	
LSD (P=.05)			4.8	4.4	3.6	2.8	2.9	2.1	2.2	2.3
Standard Deviation			3.3	3.0	2.5	1.9	2.0	1.4	1.5	1.6
CV			288.03	323.45	361.8	422.59	422.48	632.46	632.46	632.46
Bartlett's X2			0.096	0.079	0.048	0.043	0.038	0.0	0.0	0.0
P(Bartlett's X2)			0.999	0.994	0.976	0.836	0.846	.	.	.

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

# University of Georgia

Weed Code	Total CITLA #(<10lb) per plot	Total CITLA wt (<10lb) per plot	harv CITLA 10-20 lb wt/lbs	harv CITLA 10-20 lb wt/lbs	harv CITLA 10-20 lb wt/lbs	harv CITLA 10-20 lb wt/lbs	harv CITLA 10-20 lb wt/lbs	harv CITLA 10-20 lb wt/lbs	harv CITLA 10-20 lb wt/lbs			
Crop Code	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07			
Rating Data Type												
Rating Unit												
Rating Date												
Assessed By												
ARM Action Codes		T3										
Trt No.	Treatment Name	Rate	Rate Unit	93	94	96	97	98	99	100	101	102
1	Curbit Mulch	1	QT/A	14 cd	91 b	11 ab	13 ab	10 a	7 c	8 bc	0 c	0 b
2	Curbit No Mulch	1	QT/A	10 d	67 b	13 a	15 a	12 a	8 bc	4 c	5 bc	0 b
3	Curbit Reflex Mulch	1	QT/A 1 PT/A	30 abc	363 ab	11 ab	13 abc	14 a	15 a	16 a	16 a	14 a
4	Curbit Reflex No Mulch	1	QT/A 1 PT/A	12 d	77 b	11 ab	11 bc	12 a	14 ab	15 ab	10 ab	11 a
5	Curbit Sinbar Mulch	1	QT/A 3 OZ/A	41 a	282 ab	11 ab	12 bc	13 a	14 ab	15 a	16 a	17 a
6	Curbit Sinbar No Mulch	1	QT/A 3 OZ/A	32 ab	227 b	11 ab	11 bc	12 a	13 abc	13 ab	14 a	15 a
7	Curbit Sinbar Mulch	1	QT/A 6 OZ/A	38 ab	269 ab	10 b	10 c	10 a	11 abc	13 ab	13 a	14 a
8	Curbit Sinbar No Mulch	1	QT/A 6 OZ/A	23 bcd	170 b	10 b	11 bc	12 a	13 abc	15 ab	14 a	15 a
9	Curbit Sinbar Reflex Mulch	1	QT/A 3 OZ/A 1 PT/A	37 ab	655 a	10 b	11 bc	11 a	11 abc	14 ab	14 a	15 a
10	Curbit Sinbar Reflex No Mulch	1	QT/A 3 OZ/A 1 PT/A	24 a-d	173 b	11 ab	12 bc	12 a	13 abc	14 ab	10 ab	10 a
LSD (P=.05)				15.3	384.9	1.9	2.1	5.1	5.9	6.4	6.9	6.9
Standard Deviation				10.6	265.3	1.3	1.5	3.5	4.0	4.4	4.8	4.7
CV				40.83	111.75	11.97	12.39	29.32	34.07	34.89	42.22	42.92
Bartlett's X2				16.764	63.703	37.266	20.467	44.837	34.396	18.184	23.033	18.227
P(Bartlett's X2)				0.053	0.001*	0.001*	0.015*	0.001*	0.001*	0.033*	0.003*	0.011*

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

Column 92: T3 = ([C42]+[C43]+[C44]+[C45]+[C46]+[C47]+[C48]+[C49]+[C50]+[C51]+[C52]+[C53]+[C54]+[C55]+[C56]+[C57]+[C58]+[>

## University of Georgia

Weed Code	harv CITLA	harv CITLA	harv CITLA	harv CITLA	harv CITLA	harv CITLA	harv CITLA	harv CITLA	harv CITLA	
Crop Code	10-20 lb	10-20 lb	10-20 lb	10-20 lb	10-20 lb	10-20 lb	10-20 lb	10-20 lb	10-20 lb	
Rating Data Type	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	
Rating Unit	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	
Rating Date										
Assessed By										
ARM Action Codes										
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
Unit	Rate	Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit	
103	104	105	106	107	108	109	110	111		
1	Curbit Mulch	1 QT/A	0 b	0 a	0 c	0 c	0 b	0 b	0 a	0 a
2	Curbit No Mulch	1 QT/A	0 b	0 a	0 c	0 c	0 b	0 b	0 a	0 a
3	Curbit Reflex Mulch	1 QT/A 1 PT/A	14 a	9 a	0 c	0 c	0 b	0 b	0 a	0 a
4	Curbit Reflex No Mulch	1 QT/A 1 PT/A	7 ab	8 a	4 bc	4 bc	4 ab	4 ab	4 a	5 a
5	Curbit Sinbar Mulch	1 QT/A 3 OZ/A	13 a	13 a	4 bc	4 bc	4 ab	4 ab	5 a	5 a
6	Curbit Sinbar No Mulch	1 QT/A 3 OZ/A	15 a	11 a	12 ab	8 abc	9 ab	9 ab	4 a	4 a
7	Curbit Sinbar Mulch	1 QT/A 6 OZ/A	14 a	418 a	16 a	12 ab	13 a	4 ab	4 a	4 a
8	Curbit Sinbar No Mulch	1 QT/A 6 OZ/A	16 a	16 a	17 a	18 a	14 a	9 ab	10 a	5 a
9	Curbit Sinbar Reflex Mulch	1 QT/A 3 OZ/A 1 PT/A	16 a	17 a	13 a	9 abc	10 ab	5 ab	0 a	0 a
10	Curbit Sinbar Reflex No Mulch	1 QT/A 3 OZ/A 1 PT/A	11 a	11 a	12 ab	13 ab	13 a	14 a	9 a	9 a
	LSD (P=.05)		8.4	370.2	8.2	9.4	10.9	11.1	10.8	10.8
	Standard Deviation		5.8	255.1	5.6	6.5	7.5	7.7	7.4	7.4
	CV		54.18	506.02	73.22	94.74	112.58	156.35	210.03	232.28
	Bartlett's X2		15.722	145.765	11.035	7.499	0.365	0.52	0.666	0.259
	P(Bartlett's X2)		0.028*	0.001*	0.087	0.277	0.999	0.998	0.985	0.998

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

# University of Georgia

Weed Code	harv CITLA	harv CITLA	harv CITLA	harv CITLA	harv CITLA	Total CITLA	Total CITLA	harv CITLA	harv CITLA		
Crop Code	10-20 lb	10-20 lb	10-20 lb	10-20 lb	10-20 lb	#(10-20lb)	wt(10-20lb)	>20 lb	>20 lb		
Rating Data Type	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	per plot	per plot	wt/lbs	wt/lbs		
Rating Unit	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07		
Rating Date											
Assessed By											
ARM Action Codes							T2				
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
		112	113	114	115	116	117	118	120	121	
1	Curbit Mulch	1 QT/A	0 b	0 a	0 a	0 a	0 a	3 c	48 b	7 bc	0 b
2	Curbit No Mulch	1 QT/A	0 b	0 a	0 a	0 a	0 a	3 c	57 b	5 c	0 b
3	Curbit Reflex Mulch	1 QT/A 1 PT/A	0 b	0 a	0 a	0 a	0 a	8 bc	122 b	11 abc	11 ab
4	Curbit Reflex No Mulch	1 QT/A 1 PT/A	0 b	0 a	0 a	0 a	0 a	13 ab	128 b	11 abc	11 ab
5	Curbit Sinbar Mulch	1 QT/A 3 OZ/A	5 ab	5 a	0 a	0 a	0 a	11 ab	165 ab	22 ab	16 a
6	Curbit Sinbar No Mulch	1 QT/A 3 OZ/A	4 ab	4 a	5 a	5 a	5 a	14 a	188 ab	22 ab	23 a
7	Curbit Sinbar Mulch	1 QT/A 6 OZ/A	0 b	0 a	0 a	0 a	0 a	11 ab	572 a	22 a	24 a
8	Curbit Sinbar No Mulch	1 QT/A 6 OZ/A	0 b	0 a	0 a	0 a	0 a	10 ab	195 ab	21 ab	21 a
9	Curbit Sinbar Reflex Mulch	1 QT/A 3 OZ/A 1 PT/A	0 b	0 a	0 a	0 a	0 a	10 ab	155 ab	17 abc	11 ab
10	Curbit Sinbar Reflex No Mulch	1 QT/A 3 OZ/A 1 PT/A	10 a	5 a	0 a	0 a	0 a	8 bc	198 ab	23 a	16 a
LSD (P=.05)			8.2	7.8	4.4	4.4	4.5	5.1	379.6	13.1	13.1
Standard Deviation			5.7	5.3	3.0	3.1	3.1	3.5	261.6	9.0	9.0
CV			301.93	378.97	632.46	632.46	632.46	38.68	142.95	56.21	67.42
Bartlett's X2			0.248	0.056	0.0	0.0	0.0	11.527	84.0	33.212	24.931
P(Bartlett's X2)			0.883	0.972	.	.	.	0.241	0.001*	0.001*	0.001*

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

Column 115: T2 = ([C96]+[C97]+[C98]+[C99]+[C100]+[C101]+[C102]+[C103]+[C104]+[C105]+[C106]+[C107]+[C108]+[C109]+[C110]>

# University of Georgia

Weed Code	harv CITLA	harv CITLA	harv CITLA	harv CITLA	harv CITLA	harv CITLA	harv CITLA	harv CITLA	harv CITLA		
Crop Code	>20 lb	>20 lb	>20 lb	>20 lb	>20 lb	>20 lb	>20 lb	>20 lb	>20 lb		
Rating Data Type	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs	wt/lbs		
Rating Unit	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07	Jul-19-07		
Rating Date											
Assessed By											
ARM Action Codes											
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
Unit	Rate	Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit		
122	123	124	125	126	127	128	129	130			
1	Curbit Mulch	1 QT/A	0 b	0 b	0 b	0 b	0 a	0 b	0 a	0 a	
2	Curbit No Mulch	1 QT/A	0 b	0 b	0 b	0 b	0 a	0 b	0 a	0 a	
3	Curbit Reflex Mulch	1 QT/A 1 PT/A	7 ab	0 b	0 b	0 b	0 a	0 b	0 a	0 a	
4	Curbit Reflex No Mulch	1 QT/A 1 PT/A	5 ab	6 ab	7 ab	0 b	0 a	0 b	0 a	0 a	
5	Curbit Sinbar Mulch	1 QT/A 3 OZ/A	11 ab	12 ab	6 ab	6 b	0 a	0 b	0 a	0 a	
6	Curbit Sinbar No Mulch	1 QT/A 3 OZ/A	17 ab	12 ab	12 ab	13 b	7 a	0 b	0 a	0 a	
7	Curbit Sinbar Mulch	1 QT/A 6 OZ/A	11 ab	11 ab	13 ab	6 b	6 a	0 b	0 a	0 a	
8	Curbit Sinbar No Mulch	1 QT/A 6 OZ/A	22 a	23 a	24 a	26 a	12 a	13 ab	13 a	7 a	
9	Curbit Sinbar Reflex Mulch	1 QT/A 3 OZ/A 1 PT/A	12 ab	12 ab	6 b	6 b	6 a	7 ab	8 a	8 a	
10	Curbit Sinbar Reflex No Mulch	1 QT/A 3 OZ/A 1 PT/A	16 ab	17 ab	12 ab	12 b	13 a	13 a	6 a	0 a	
LSD (P=.05)			15.4	15.4	15.7	12.7	12.9	10.9	11.6	8.9	7.1
Standard Deviation			10.6	10.6	10.8	8.8	8.9	7.5	8.0	6.1	4.9
CV			106.13	113.39	136.32	129.36	200.94	232.42	294.83	424.0	632.46
Bartlett's X2			10.183	10.995	13.295	7.742	0.199	0.038	0.131	0.106	0.0
P(Bartlett's X2)			0.178	0.089	0.039*	0.171	0.995	0.981	0.937	0.745	.

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



# University of Georgia

Weed Code Crop Code Rating Data Type Rating Unit Rating Date Assessed By ARM Action Codes	Total CITLA #(>20lb) per plot Jul-19-07	Total CITLA wt (>20lb) per plot Jul-19-07	Total CITLA #( all) per plot	Total CITLA wt (all) per plot
		T1	T6	T7
Trt Treatment Rate No. Name Rate Unit	131	132	134	135
1 Curbit 1 QT/A Mulch	0 c	7 c	18 d	147 b
2 Curbit 1 QT/A No Mulch	0 c	5 c	13 d	130 b
3 Curbit 1 QT/A Reflex 1 PT/A Mulch	1 bc	29 bc	39 abc	514 ab
4 Curbit 1 QT/A Reflex 1 PT/A No Mulch	2 bc	41 bc	27 cd	246 b
5 Curbit 1 QT/A Sinbar 3 OZ/A Mulch	3 bc	73 bc	54 a	520 ab
6 Curbit 1 QT/A Sinbar 3 OZ/A No Mulch	4 abc	105 abc	50 ab	520 ab
7 Curbit 1 QT/A Sinbar 6 OZ/A Mulch	4 abc	93 abc	53 a	933 a
8 Curbit 1 QT/A Sinbar 6 OZ/A No Mulch	8 a	188 a	41 abc	553 ab
9 Curbit 1 QT/A Sinbar 3 OZ/A Reflex 1 PT/A Mulch	4 bc	94 abc	51 ab	904 a
10 Curbit 1 QT/A Sinbar 3 OZ/A Reflex 1 PT/A No Mulch	5 ab	127 ab	37 bc	497 ab
LSD (P=.05)	3.7	87.0	14.1	526.9
Standard Deviation	2.6	60.0	9.7	363.2
CV	82.45	78.78	25.58	73.14
Bartlett's X2	11.211	17.565	9.929	57.453
P(Bartlett's X2)	0.19	0.041*	0.356	0.001*

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

Column 128: T1 = ([C120]+[C121]+[C122]+[C123]+[C124]+[C125]+[C126]+[C127]+[C128]+[C129]+[C130])

Column 129: T6 = [C93]+[C117]+[C131]

Column 130: T7 = [C94]+[C118]+[C132]

# University of Georgia

**Transplant watermelon tolerance to Reflex and Sinbar.**

Trial ID: Veg30-07

Study Dir.: Tucker Price

Location: Cordele

Investigator: Stanley Culpepper

**GENERAL TRIAL INFORMATION**

**Study Director:** Tucker Price

**Title:** UGA Extension

**Affiliation:** Univ. of Georgia

**Postal Code:** 31794

**Investigator:** Stanley Culpepper

**Title:** Ext. Weed Science

**Affiliation:** Univ. of Georgia

**Postal Code:** 31794

**TRIAL LOCATION**

**City:** Cordele

**Trial Status:** completed

**State/Prov.:** GA

**Trial Reliability:** good

**Postal Code:** 31794

**Initiation Date:** Apr-24-07

**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.	CVNGS	Croton, tropic	Croton glandu. septentrionalis
2.	AMAPA	Palmer amaranth	
3.	CYPES	yellow nutsedge	
4.	IPOLA	pitted morningglory	

**Crop 1:** CITLA watermelon

**Variety:** millionaire

**Planting Date:** \_\_\_\_\_

**Planting Method:** transplant

**Rate:** 1 3 ft

**Depth:** 2 in

**Perennial Age:** \_\_\_\_\_

**Row Spacing:** 12 ft

**Spacing Within Row:** 3 ft

**Seed Bed:** flat

**Soil Temperature:** 65 F

**Soil Moisture:** irrigated

**Emergence Date:** \_\_\_\_\_

**SITE AND DESIGN**

**Plot Width, Unit:** 12 FT

**Plot Length, Unit:** 25 FT

**Reps:** 4

**Site Type:** on farm

**Tillage Type:** conventional

**Study Design:** SPLIT-PLOT

**Trial Initiation Comments:**

	Previous Crops	Previous Pesticides	Year
1.			

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## MAINTENANCE

Field Prep./Maintenance:

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

### SOIL DESCRIPTION

% Sand: 86	% OM: 2.1	Texture: Loamy sand
% Silt: 6	pH: 6.0	Soil Name: _____
% Clay: 8	CEC: _____	Fert. Level: _____

### ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

### MOISTURE CONDITIONS

No.	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

Overall Moisture Conditions: irrigated

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

### APPLICATION DESCRIPTION

	A	B
Application Date:	Apr-24-07	Apr-26-07
Time of Day:	9:30 am	3 pm
Application Method:	broadcast	broadcast
Application Timing:	preplant	post
Applic. Placement:	on soil	overtop
Air Temp., Unit:	67 f	85 f
% Relative Humidity:	70	30
Wind Velocity, Unit:	5 mph	0 mph
Dew Presence (Y/N):	N	N
Water Hardness:		
Soil Temp., Unit:	68.5 f	88 f
Soil Moisture:	moist	moist
% Cloud Cover:	10	0

### CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	CITLA	CITLA
Stage Scale:	not up	not up
Height, Unit:		

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## WEED STAGE AT EACH APPLICATION

	A	B
<b>Weed 1 Code, Stage:</b>	CVNGS PREPLANT	CVNGS POST
<b>Stage Scale:</b>	not up	not up
<b>Density, Unit:</b>	15 ydsq	15 ydsq
<b>Weed 2 Code, Stage:</b>	AMAPA PREPLANT	AMAPA POST
<b>Stage Scale:</b>	not up	not up
<b>Density, Unit:</b>	15 ydsq	15 ydsq
<b>Weed 3 Code, Stage:</b>	CYPES PREPLANT	CYPES POST
<b>Stage Scale:</b>	not up	not up
<b>Density, Unit:</b>	10 ydsq	10 ydsq
<b>Weed 4 Code, Stage:</b>	IPOLA PREPLANT	IPOLA PREPLANT
<b>Stage Scale:</b>	not up	not up
<b>Density, Unit:</b>	5 ydsq	5 ydsq

## APPLICATION EQUIPMENT

	A	B
<b>Appl. Equipment:</b>	backpack	tractor
<b>Operating Pressure:</b>	23	25
<b>Nozzle Type:</b>	flat fan	flat fan
<b>Nozzle Size:</b>	11002	8002
<b>Nozzle Spacing, Unit:</b>	18 inch	18 inch
<b>Nozzles/Row:</b>	4	4
<b>Band Width, Unit:</b>		
<b>Boom Length, Unit:</b>	4.5 feet	6 feet
<b>Boom Height, Unit:</b>	15 inch	18 inch
<b>Ground Speed, Unit:</b>	3 mph	3 mph
<b>Incorporation Equip.:</b>		
<b>Hours to Incorp.:</b>		
<b>Incorp. Depth, Unit:</b>		
<b>Carrier:</b>	water	water
<b>Spray Volume, Unit:</b>	14.8 GPA	15 GPA
<b>Spray pH:</b>		
<b>Propellant:</b>	CO2	PTO
<b>Tank Mix (Y/N):</b>	Y	Y

Trt No	Treatment Application Comment