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Pepper, tomato and cantaloupe response to Stinger applied in the previous strawberry crop.

Trial ID: Veg6-06

Study Dir.: Stanley Culpepper

Location: Ponder (5158)

Investigator: Stanley Culpepper

Reps: 4

Plots: 6 by 20 feet

Spray vol: 14.8 gal/ac

Mix size: 1 liters (min .61734)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code	Amt Product to Measure	Plot No. By Rep			
									1	2	3	4
1	Bell pepper Stinger	L		0.333	PT/A	fall	A	2.812 ml/mx	101	206	312	407
2	Bell pepper Stinger	L		0.333	PT/A	fall	A	2.812 ml/mx	102	208	311	405
	Bell pepper Stinger	L		0.333	PT/A	spring	B	2.812 ml/mx				
3	Bell pepper Stinger	L		0.67	PT/A	spring	B	5.658 ml/mx	103	205	310	408
4	Bell pepper No Stinger								104	207	309	406
5	Tomato Stinger	L		0.333	PT/A	fall	A	2.812 ml/mx	105	212	303	409
6	Tomato Stinger	L		0.333	PT/A	fall	A	2.812 ml/mx	106	209	301	412
	Tomato Stinger	L		0.333	PT/A	spring	B	2.812 ml/mx				
7	Tomato Stinger	L		0.67	PT/A	spring	B	5.658 ml/mx	107	210	302	411
8	Tomato No Stinger								108	211	304	410
9	Cantaloupe Stinger	L		0.333	PT/A	fall	A	2.812 ml/mx	109	201	307	403
10	Cantaloupe Stinger	L		0.333	PT/A	fall	A	2.812 ml/mx	110	204	308	404
	Cantaloupe Stinger	L		0.333	PT/A	spring	B	2.812 ml/mx				
11	Cantaloupe Stinger	L		0.67	PT/A	spring	B	5.658 ml/mx	111	203	305	402
12	Cantaloupe No Stinger								112	202	306	401

Sort Order: Treatment

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

Amount*	Unit	Treatment Name	Form Conc	Form Type	Lot Code
52.855	ml	Stinger		L	

* 'Per area' calculations based on spray volume= 14.8 gal/ac, mix size= 1 liters (mix size basis).

* Product amount calculations increased 25 % for overage adjustment.

Trial Comments

OBJECTIVE: Determine tomato, pepper, and cantaloupe response to Stinger applied in the previous strawberry crop.

Strawberry Injury, Plant Height, and Yield:

1. Stinger did not visually injure strawberry.
2. When averaging over 10 plants per plot, Stinger did not impact strawberry diameter in late Jan or early Feb.
3. Twelve Strawberry plants per plot were harvested 10 times. The number of harvested fruit and weights were similar among treatments.

Pepper Response:

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1. Heritage Bell Pepper and Grande Hot Pepper were planted on March 25 (12 bell and hot pepper plants per plot).
2. Visual injury ranged from 3 to 11%. Injury at harvest was 11% with a spring application of Stinger at 0.67 pt/A. Injury was leaf strapping and rolling. There were no differences in visual injury for bell and hot pepper so a single injury rating was taken.
3. Bell and hot pepper heights (10 plants per plot) taken in early May showed no impact by treatments.
4. Bell pepper were harvested 4 times for Jumbo fruit. When adding Harvest 1 and 2 or harvest 1-4, no treatment effects on fruit number or yield were noted.
5. Hot pepper were picked twice. Treatments had no impact on hot pepper fruit number or weights.

Cantaloupe Response.

1. Athena cantaloupe were planted on March 25 with 1 plant every 3 feet (4 plant per plot).
2. Athena cantaloupe were not visually injured by Stinger treatments.
3. Treatments had no impact on plant runner lengths in May.
4. Cantaloupe were harvested 9 times. When adding harvest 1 and 2 or harvest 1-9, treatments had no impact on fruit number or weight produced.

Tomato Response:

1. Amelia tomato were planted on March 25 with 1 plant every 18 inches (7 plants per plot).
2. Treatments that included spring Stinger applications injured tomato 14 to 28% throughout the season.
3. In mid-May, tomato plant heights were measured and averaged. Tomato heights were reduced by at least 12% when following spring Stinger applications, when compared to the non-treated control.
4. Tomato was harvested 4 times. At each harvest, tomato was graded into jumbo, large, medium, small, extra small, and cull fruit sizes. When adding the four harvest, the number and weight of Jumbo fruit were reduced at least 40% when treatments included spring Stinger applications. The same trends were noted on large fruit. Although fall only Stinger applications did not significantly impact yield, there was a trend for less Jumbo fruit compared to the non-treated control.
5. When totally all fruit sizes (excluding culls), the spring Stinger applications reduced fruit number at least 26% and fruit weights 32%.

Conclusions:

1. Tomato should not follow strawberry treated with Stinger.
2. Although Pepper injury was much less than tomato, it is still advisable to not follow strawberry treated with Stinger with a spring pepper crop as visible injury was detectable.
3. Cantaloupe appeared completely tolerant to Stinger residues.

GENERAL COMMENTS:

1. July 14, 2005 mulch was laid and methyl bromide was applied at 400 lb/A broadcast (200 lb/A in row).

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**Pepper, tomato and cantaloupe response to Stinger applied in the previous
strawberry crop.**

Trial ID: Veg6-06

Study Dir.: Stanley Culpepper

Location: Ponder (5158)

Investigator: Stanley Culpepper

Weed Code	FRAAN	FRAAN	plant 1 FRAAN	plant 2 FRAAN	plant 3 FRAAN	plant 4 FRAAN	plant 5 FRAAN	plant 6 FRAAN		
Crop Code										
Part Rated										
Rating Data Type	injury	injury	diameter	diameter	diameter	diameter	diameter	diameter		
Rating Unit	percent	percent	cm	cm	cm	cm	cm	cm		
Rating Date	Dec-10-05	Jan-15-06	Jan-23-06	Jan-23-06	Jan-23-06	Jan-23-06	Jan-23-06	Jan-23-06		
Assessed By										
Trt-Eval Interval	4 DA-A	40 DA-A	48 DA-A	48 DA-A	48 DA-A	48 DA-A	48 DA-A	48 DA-A		
ARM Action Codes										
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
1	2	3	4	5	6	7	8			
1	Bell pepper Stinger	0.333 PT/A	0 a	0 a	20 a	17 a	18 a	19 a	20 a	19 a
2	Bell pepper Stinger Stinger	0.333 PT/A 0.333 PT/A	0 a	0 a	19 a	20 a	18 a	18 a	20 a	17 a
3	Bell pepper Stinger	0.67 PT/A	0 a	0 a	22 a	18 a	20 a	18 a	17 a	18 a
4	Bell pepper No Stinger		0 a	0 a	19 a	16 a	21 a	20 a	18 a	20 a
5	Tomato Stinger	0.333 PT/A	0 a	0 a	18 a	19 a	16 a	20 a	16 a	19 a
6	Tomato Stinger Stinger	0.333 PT/A 0.333 PT/A	0 a	0 a	20 a	21 a	21 a	16 a	19 a	18 a
7	Tomato Stinger	0.67 PT/A	0 a	0 a	18 a	21 a	19 a	20 a	16 a	17 a
8	Tomato No Stinger		0 a	0 a	20 a	16 a	17 a	17 a	20 a	18 a
9	Cantaloupe Stinger	0.333 PT/A	0 a	0 a	21 a	21 a	20 a	18 a	16 a	21 a
10	Cantaloupe Stinger Stinger	0.333 PT/A 0.333 PT/A	0 a	0 a	17 a	19 a	17 a	19 a	16 a	20 a
11	Cantaloupe Stinger	0.67 PT/A	0 a	0 a	19 a	19 a	20 a	15 a	18 a	19 a
12	Cantaloupe No Stinger		0 a	0 a	18 a	22 a	22 a	18 a	19 a	20 a
LSD (P=.05)			0.0	0.0	7.1	6.8	7.5	5.1	5.4	5.9
Standard Deviation			0.0	0.0	4.9	4.7	5.2	3.5	3.8	4.1
CV			0.0	0.0	25.53	25.08	27.61	19.39	21.16	21.9
Bartlett's X2			0.0	0.0	16.631	3.795	7.917	11.667	11.091	7.449
P(Bartlett's X2)			.	.	0.119	0.976	0.721	0.389	0.436	0.762

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

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Weed Code	plant 7 FRAAN	plant 8 FRAAN	plant 9 FRAAN	plant 10 FRAAN	Avg10pla FRAAN	plant 1 FRAAN	plant 2 FRAAN	plant 3 FRAAN
Crop Code								
Part Rated								
Rating Data Type	diameter	diameter	diameter	diameter	diameter	diameter	diameter	diameter
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm
Rating Date	Jan-23-06	Jan-23-06	Jan-23-06	Jan-23-06	Jan-23-06	Feb-07-06	Feb-07-06	Feb-07-06
Assessed By								
Trt-Eval Interval	48 DA-A	48 DA-A	48 DA-A	48 DA-A	48 DA-A	63 DA-A	63 DA-A	63 DA-A
ARM Action Codes					T11			
Trt Treatment Rate								
No. Name Rate Unit	9	10	11	12	13	14	15	16
1 Bell pepper Stinger 0.333 PT/A	20 a	17 ab	22 a	21 ab	19 a	21 a	20 a	20 a
2 Bell pepper Stinger 0.333 PT/A Stinger 0.333 PT/A	18 a	21 a	21 a	20 ab	19 a	23 a	20 a	23 a
3 Bell pepper Stinger 0.67 PT/A	17 a	20 ab	18 ab	22 ab	19 a	24 a	21 a	24 a
4 Bell pepper No Stinger	19 a	19 ab	19 ab	22 ab	19 a	22 a	19 a	24 a
5 Tomato Stinger 0.333 PT/A	17 a	18 ab	17 ab	17 ab	18 a	21 a	20 a	24 a
6 Tomato Stinger 0.333 PT/A Stinger 0.333 PT/A	18 a	16 ab	18 ab	17 ab	18 a	24 a	25 a	23 a
7 Tomato Stinger 0.67 PT/A	19 a	13 b	18 ab	24 a	18 a	21 a	23 a	23 a
8 Tomato No Stinger	16 a	15 ab	14 b	15 b	17 a	21 a	18 a	20 a
9 Cantaloupe Stinger 0.333 PT/A	19 a	17 ab	19 ab	19 ab	19 a	21 a	22 a	20 a
10 Cantaloupe Stinger 0.333 PT/A Stinger 0.333 PT/A	19 a	15 ab	17 ab	18 ab	18 a	21 a	23 a	19 a
11 Cantaloupe Stinger 0.67 PT/A	19 a	19 ab	19 ab	23 a	19 a	22 a	22 a	24 a
12 Cantaloupe No Stinger	18 a	20 ab	16 ab	22 ab	19 a	23 a	23 a	24 a
LSD (P=.05)	5.6	6.4	6.0	5.8	2.4	5.6	5.7	7.2
Standard Deviation	3.9	4.4	4.2	4.0	1.7	3.9	4.0	5.0
CV	21.48	25.55	23.0	20.34	9.15	17.58	18.74	22.32
Bartlett's X2	5.705	11.189	18.126	7.692	9.701	10.794	6.39	13.465
P(Bartlett's X2)	0.892	0.428	0.079	0.741	0.557	0.461	0.846	0.264

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

Column 13: T11 = @AVG([C3].[C12])

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Weed Code	plant 4 FRAAN	plant 5 FRAAN	plant 6 FRAAN	plant 7 FRAAN	plant 8 FRAAN	plant 9 FRAAN	plant 10 FRAAN	Avg10pla FRAAN	
Crop Code									
Part Rated									
Rating Data Type	diameter	diameter	diameter	diameter	diameter	diameter	diameter	diameter	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Date	Feb-07-06	Feb-07-06	Feb-07-06	Feb-07-06	Feb-07-06	Feb-07-06	Feb-07-06	Feb-07-06	
Assessed By									
Trt-Eval Interval	63 DA-A	63 DA-A	63 DA-A	63 DA-A	63 DA-A	63 DA-A	63 DA-A	63 DA-A	
ARM Action Codes								T12	
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
1	Bell pepper Stinger	0.333 PT/A	23 a	21 ab	20 a	22 a	19 ab	20 ab	21 ab
2	Bell pepper Stinger Stinger	0.333 PT/A 0.333 PT/A	22 a	25 a	21 a	22 a	23 ab	23 ab	20 ab
3	Bell pepper Stinger	0.67 PT/A	24 a	21 ab	19 a	19 a	24 a	21 ab	24 ab
4	Bell pepper No Stinger		23 a	22 ab	21 a	21 a	21 ab	22 ab	23 ab
5	Tomato Stinger	0.333 PT/A	24 a	16 b	22 a	20 a	22 ab	18 ab	20 ab
6	Tomato Stinger Stinger	0.333 PT/A 0.333 PT/A	19 a	22 ab	22 a	18 a	17 b	21 ab	19 ab
7	Tomato Stinger	0.67 PT/A	21 a	22 ab	21 a	22 a	18 b	21 ab	25 a
8	Tomato No Stinger		21 a	22 ab	20 a	17 a	17 b	17 b	17 b
9	Cantaloupe Stinger	0.333 PT/A	23 a	19 ab	23 a	22 a	21 ab	24 ab	22 ab
10	Cantaloupe Stinger Stinger	0.333 PT/A 0.333 PT/A	22 a	20 ab	21 a	18 a	17 b	20 ab	19 ab
11	Cantaloupe Stinger	0.67 PT/A	20 a	21 ab	23 a	21 a	21 ab	24 a	23 ab
12	Cantaloupe No Stinger		21 a	22 ab	22 a	21 a	21 ab	20 ab	23 ab
LSD (P=.05)			5.3	5.1	5.6	5.9	5.3	5.8	6.2
Standard Deviation			3.7	3.5	3.9	4.1	3.7	4.0	4.3
CV			16.79	16.65	18.46	20.26	18.43	19.3	20.1
Bartlett's X2			11.079	13.076	4.159	8.036	6.281	19.734	5.642
P(Bartlett's X2)			0.437	0.288	0.965	0.71	0.854	0.049*	0.896

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

Column 24: T12 = @AVG([C14].[C23])

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Weed Code	Harv 1	Harv 1	Harv 2	Harv 2	Harv 3	Harv 3	Harv 4	Harv 4
Crop Code	FRAAN	FRAAN	FRAAN	FRAAN	FRAAN	FRAAN	FRAAN	FRAAN
Part Rated								
Rating Data Type	fruit	wt	fruit	wt	fruit	wt	fruit	wt
Rating Unit	#	g	#	g	#	g	#	g
Rating Date	Feb-13-06	Feb-13-06	Feb-17-06	Feb-17-06	Feb-20-06	Feb-20-06	Feb-22-06	Feb-22-06
Assessed By								
Trt-Eval Interval	214 DA-A	214 DA-A	218 DA-A	218 DA-A	221 DA-A	221 DA-A	223 DA-A	223 DA-A
ARM Action Codes								
Trt Treatment Rate								
No. Name Rate Unit	25	26	27	28	29	30	31	32
1 Bell pepper Stinger 0.333 PT/A	1 a	1 a	0 ab	4 b	1 a	21 a	1 ab	21 ab
2 Bell pepper Stinger 0.333 PT/A Stinger 0.333 PT/A	0 a	0 a	1 ab	18 b	1 a	36 a	0 b	0 b
3 Bell pepper Stinger 0.67 PT/A	0 a	0 a	1 ab	17 b	1 a	25 a	1 ab	29 ab
4 Bell pepper No Stinger	0 a	0 a	1 ab	23 ab	0 a	6 a	0 b	0 b
5 Tomato Stinger 0.333 PT/A	0 a	0 a	1 ab	12 b	1 a	26 a	0 b	6 b
6 Tomato Stinger 0.333 PT/A Stinger 0.333 PT/A	0 a	0 a	1 ab	34 ab	1 a	23 a	2 a	47 a
7 Tomato Stinger 0.67 PT/A	0 a	1 a	2 ab	77 a	1 a	12 a	0 b	5 b
8 Tomato No Stinger	0 a	1 a	0 b	0 b	0 a	3 a	0 b	0 b
9 Cantaloupe Stinger 0.333 PT/A	0 a	0 a	1 ab	29 ab	1 a	12 a	0 b	0 b
10 Cantaloupe Stinger 0.333 PT/A Stinger 0.333 PT/A	0 a	0 a	1 ab	10 b	0 a	4 a	0 b	0 b
11 Cantaloupe Stinger 0.67 PT/A	0 a	1 a	1 ab	9 b	2 a	30 a	0 b	0 b
12 Cantaloupe No Stinger	0 a	1 a	2 a	41 ab	1 a	37 a	1 b	19 ab
LSD (P=.05)	0.6	1.6	1.5	51.7	1.5	35.3	1.1	28.7
Standard Deviation	0.4	1.1	1.0	35.8	1.0	24.5	0.8	19.9
CV	300.9	294.84	122.31	156.71	117.28	125.26	180.24	186.61
Bartlett's X2	2.979	1.955	7.33	36.757	12.064	18.853	10.153	10.493
P(Bartlett's X2)	0.703	0.855	0.694	0.001*	0.359	0.064	0.071	0.062

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

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Weed Code	Harv 5	Harv 5	Harv 6	Harv 6	Harv 7	Harv 7	Harv 8	Harv 8
Crop Code	FRAAN	FRAAN	FRAAN	FRAAN	FRAAN	FRAAN	FRAAN	FRAAN
Part Rated								
Rating Data Type	fruit	wt	fruit	wt	fruit	wt	fruit	wt
Rating Unit	#	g	#	g	#	g	#	g
Rating Date	Feb-24-06	Feb-24-06	Feb-27-06	Feb-27-06	Mar-01-06	Mar-01-06	Mar-03-06	Mar-03-06
Assessed By								
Trt-Eval Interval	225 DA-A	225 DA-A	228 DA-A	228 DA-A	230 DA-A	230 DA-A	232 DA-A	232 DA-A
ARM Action Codes								
Trt Treatment Rate								
No. Name Rate Unit	33	34	35	36	37	38	39	40
1 Bell pepper Stinger 0.333 PT/A	1 ab	26 ab	0 c	0 b	2 a	32 a	0 b	5 b
2 Bell pepper Stinger 0.333 PT/A Stinger 0.333 PT/A	1 ab	18 b	1 bc	13 b	0 ab	6 ab	2 ab	31 ab
3 Bell pepper Stinger 0.67 PT/A	2 ab	38 ab	2 abc	39 ab	1 ab	16 ab	1 ab	33 ab
4 Bell pepper No Stinger	1 ab	18 b	1 abc	21 ab	1 ab	16 ab	1 ab	26 ab
5 Tomato Stinger 0.333 PT/A	1 ab	20 ab	2 ab	40 ab	1 ab	14 ab	1 b	9 b
6 Tomato Stinger 0.333 PT/A Stinger 0.333 PT/A	1 ab	30 ab	1 abc	35 ab	1 ab	11 ab	2 ab	32 ab
7 Tomato Stinger 0.67 PT/A	2 ab	50 ab	1 abc	27 ab	0 b	0 b	3 ab	50 ab
8 Tomato No Stinger	0 b	7 b	0 bc	8 b	1 ab	10 ab	1 ab	33 ab
9 Cantaloupe Stinger 0.333 PT/A	1 ab	34 ab	1 abc	21 ab	0 ab	5 ab	3 a	57 a
10 Cantaloupe Stinger 0.333 PT/A Stinger 0.333 PT/A	1 ab	18 b	1 abc	16 b	1 ab	13 ab	1 b	9 b
11 Cantaloupe Stinger 0.67 PT/A	2 a	66 a	1 bc	10 b	1 ab	22 ab	3 ab	47 ab
12 Cantaloupe No Stinger	2 a	53 ab	3 a	68 a	0 ab	7 ab	1 b	9 b
LSD (P=.05)	1.7	40.3	1.8	44.6	1.2	26.7	2.1	41.2
Standard Deviation	1.2	27.9	1.3	30.9	0.8	18.5	1.4	28.5
CV	91.74	89.14	117.79	125.35	151.02	148.58	108.98	100.61
Bartlett's X2	12.783	12.904	19.475	26.522	10.302	7.845	21.073	22.806
P(Bartlett's X2)	0.308	0.30	0.021*	0.003*	0.414	0.644	0.021*	0.019*

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

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Weed Code	Harv 9 FRAAN	Harv 9 FRAAN	Harv 10 FRAAN	Harv 10 FRAAN	Avg10har FRAAN	Avg10har FRAAN	Crop	Crop
Crop Code								
Part Rated								
Rating Data Type	fruit	wt	fruit	wt	fruit	wt	injury	injury
Rating Unit	#	g	#	g	#	g	%	%
Rating Date	Mar-06-06	Mar-06-06	Mar-08-06	Mar-08-06	Mar-08-06	Mar-08-06	Apr-21-06	May-05-06
Assessed By							SC	SC
Trt-Eval Interval	235 DA-A	235 DA-A	237 DA-A	237 DA-A	237 DA-A	237 DA-A	136 DA-A	150 DA-A
ARM Action Codes					T13	T14		
Trt Treatment Rate								
No. Name Rate Unit	41	42	43	44	45	46	47	48
1 Bell pepper Stinger 0.333 PT/A	4 a	83 a	3 a	67 a	13 ab	259 ab	3 cde	0 d
2 Bell pepper Stinger 0.333 PT/A Stinger 0.333 PT/A	3 a	53 a	3 a	64 a	11 ab	237 ab	7 bcd	3 d
3 Bell pepper Stinger 0.67 PT/A	4 a	72 a	2 a	40 a	13 ab	310 ab	10 b	10 c
4 Bell pepper No Stinger	4 a	72 a	2 a	34 a	9 b	216 ab	0 e	0 d
5 Tomato Stinger 0.333 PT/A	4 a	64 a	3 a	53 a	13 ab	243 ab	10 bc	0 d
6 Tomato Stinger 0.333 PT/A Stinger 0.333 PT/A	2 a	41 a	2 a	35 a	13 ab	287 ab	23 a	15 b
7 Tomato Stinger 0.67 PT/A	2 a	39 a	2 a	35 a	13 ab	296 ab	28 a	25 a
8 Tomato No Stinger	3 a	59 a	4 a	107 a	10 b	227 ab	0 e	0 d
9 Cantaloupe Stinger 0.333 PT/A	2 a	51 a	3 a	51 a	12 ab	260 ab	0 e	0 d
10 Cantaloupe Stinger 0.333 PT/A Stinger 0.333 PT/A	3 a	63 a	3 a	77 a	10 b	208 b	1 de	0 d
11 Cantaloupe Stinger 0.67 PT/A	4 a	67 a	3 a	56 a	15 ab	306 ab	0 e	0 d
12 Cantaloupe No Stinger	3 a	59 a	4 a	86 a	17 a	379 a	0 e	0 d
LSD (P=.05)	2.1	52.8	2.6	67.4	5.8	141.2	6.0	2.4
Standard Deviation	1.5	36.6	1.8	46.7	4.0	97.8	4.2	1.6
CV	47.18	60.77	69.81	79.74	33.02	36.36	61.66	38.12
Bartlett's X2	9.81	12.743	8.809	17.499	22.466	19.381	15.404	5.018
P(Bartlett's X2)	0.548	0.31	0.639	0.094	0.021*	0.055	0.017*	0.17

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

Column 45: T13 = [C25]+[C27]+[C29]+[C31]+[C33]+[C35]+[C37]+[C39]+[C41]+[C43]

Column 46: T14 = [C26]+[C28]+[C30]+[C32]+[C34]+[C36]+[C38]+[C40]+[C42]+[C44]

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Weed Code			plant 1	plant 2	plant 3	plant 4	plant 5	plant 6		
Crop Code	Crop	Crop	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN		
Part Rated										
Rating Data Type	injury	injury	ht	ht	ht	ht	ht	ht		
Rating Unit	%	%	cm	cm	cm	cm	cm	cm		
Rating Date	May-21-06	Jun-13-06	May-12-06	May-12-06	May-12-06	May-12-06	May-12-06	May-12-06		
Assessed By	SC	Culpepper								
Trt-Eval Interval	166 DA-A	189 DA-A	302 DA-A	302 DA-A	302 DA-A	302 DA-A	302 DA-A	302 DA-A		
ARM Action Codes										
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
Unit	Rate	Unit	Unit	Unit	Unit	Unit	Unit	Unit		
49			51	52	53	54	55	56		
1	Bell pepper Stinger	0.333 PT/A	0 d	0 d	46 a	36 b	41 a	43 a	43 a	42 a
2	Bell pepper Stinger Stinger	0.333 PT/A 0.333 PT/A	3 d	3 d	44 a	49 a	40 a	41 a	47 a	47 a
3	Bell pepper Stinger	0.67 PT/A	8 c	11 c	49 a	51 a	46 a	42 a	39 a	51 a
4	Bell pepper No Stinger		0 d	0 d	49 a	43 ab	42 a	46 a	46 a	43 a
5	Tomato Stinger	0.333 PT/A	1 d	1 d						
6	Tomato Stinger Stinger	0.333 PT/A 0.333 PT/A	16 b	18 b						
7	Tomato Stinger	0.67 PT/A	24 a	24 a						
8	Tomato No Stinger		0 d	0 d						
9	Cantaloupe Stinger	0.333 PT/A	0 d	0 d						
10	Cantaloupe Stinger Stinger	0.333 PT/A 0.333 PT/A	0 d	0 d						
11	Cantaloupe Stinger	0.67 PT/A	0 d	0 d						
12	Cantaloupe No Stinger		0 d	0 d						
LSD (P=.05)			2.7	4.3	15.1	11.2	7.8	12.2	14.4	11.4
Standard Deviation			1.9	3.0	9.4	7.0	4.9	7.6	9.0	7.1
CV			44.85	62.81	20.09	15.69	11.59	17.8	20.65	15.64
Bartlett's X2			7.918	3.316	1.272	10.053	5.443	2.581	2.54	2.955
P(Bartlett's X2)			0.095	0.506	0.736	0.018*	0.142	0.461	0.468	0.399

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

University of Georgia

Weed Code	plant 7 CPSAN	plant 8 CPSAN	plant 9 CPSAN	plant 10 CPSAN	10pltavg CPSAN	plant 1 hot pepp	plant 2 hot pepp	plant 3 hot pepp
Crop Code								
Part Rated								
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm
Rating Date	May-12-06	May-12-06	May-12-06	May-12-06	May-12-06	May-12-06	May-12-06	May-12-06
Assessed By								
Trt-Eval Interval	302 DA-A	302 DA-A	302 DA-A	302 DA-A	302 DA-A	302 DA-A	302 DA-A	302 DA-A
ARM Action Codes					T1			
Trt No.	57	58	59	60	61	62	63	64
Treatment Name								
Rate								
Unit								
1 Bell pepper Stinger	39 a	41 a	39 a	48 a	42 a	37 a	35 a	38 a
0.333 PT/A								
2 Bell pepper Stinger	38 a	41 a	44 a	40 ab	43 a	38 a	33 a	35 a
0.333 PT/A								
Stinger								
0.333 PT/A								
3 Bell pepper Stinger	45 a	44 a	42 a	39 ab	45 a	39 a	37 a	34 a
0.67 PT/A								
4 Bell pepper No Stinger	45 a	43 a	39 a	36 b	43 a	38 a	39 a	35 a
5 Tomato Stinger								
0.333 PT/A								
6 Tomato Stinger								
0.333 PT/A								
Stinger								
0.333 PT/A								
7 Tomato Stinger								
0.67 PT/A								
8 Tomato No Stinger								
9 Cantaloupe Stinger								
0.333 PT/A								
10 Cantaloupe Stinger								
0.333 PT/A								
Stinger								
0.333 PT/A								
11 Cantaloupe Stinger								
0.67 PT/A								
12 Cantaloupe No Stinger								
LSD (P=.05)	10.0	15.1	12.4	9.9	6.6	8.0	8.1	8.7
Standard Deviation	6.2	9.4	7.8	6.2	4.2	5.0	5.1	5.5
CV	15.06	22.37	19.03	15.24	9.64	13.34	14.02	15.41
Bartlett's X2	2.704	1.621	4.769	12.458	9.979	0.963	0.187	4.16
P(Bartlett's X2)	0.44	0.655	0.19	0.006*	0.019*	0.81	0.98	0.245

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

Column 61: T1 = @AVG([C51].[C60])

University of Georgia

Weed Code	plant 4	plant 5	plant 6	plant 7	plant 8	plant 9	plant 10	10ptavg		
Crop Code	hot pepp	hot pepp	hot pepp	hot pepp	hot pepp	hot pepp	hot pepp	hot pepp		
Part Rated										
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht		
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm		
Rating Date	May-12-06	May-12-06	May-12-06	May-12-06	May-12-06	May-12-06	May-12-06	May-12-06		
Assessed By										
Trt-Eval Interval	302 DA-A	302 DA-A	302 DA-A	302 DA-A	302 DA-A	302 DA-A	302 DA-A	302 DA-A		
ARM Action Codes								T2		
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
		65	66	67	68	69	70	71		
		65	66	67	68	69	70	71		
1	Bell pepper Stinger	0.333 PT/A	34 a	37 a	34 b	33 b	32 a	34 bc	37 a	35 a
2	Bell pepper Stinger Stinger	0.333 PT/A 0.333 PT/A	36 a	36 a	38 a	31 b	38 a	39 a	39 a	36 a
3	Bell pepper Stinger	0.67 PT/A	35 a	36 a	35 ab	35 ab	34 a	37 ab	37 a	36 a
4	Bell pepper No Stinger		35 a	34 a	37 ab	40 a	36 a	33 c	34 a	36 a
5	Tomato Stinger	0.333 PT/A								
6	Tomato Stinger Stinger	0.333 PT/A 0.333 PT/A								
7	Tomato Stinger	0.67 PT/A								
8	Tomato No Stinger									
9	Cantaloupe Stinger	0.333 PT/A								
10	Cantaloupe Stinger Stinger	0.333 PT/A 0.333 PT/A								
11	Cantaloupe Stinger	0.67 PT/A								
12	Cantaloupe No Stinger									
LSD (P=.05)			6.2	4.8	3.7	6.9	6.6	3.5	5.8	3.6
Standard Deviation			3.9	3.0	2.3	4.3	4.2	2.2	3.6	2.2
CV			11.07	8.51	6.53	12.49	11.84	6.12	9.95	6.27
Bartlett's X2			3.695	0.856	2.231	4.409	3.839	0.205	2.368	0.497
P(Bartlett's X2)			0.296	0.836	0.526	0.221	0.279	0.977	0.50	0.92

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

Column 72: T2 = @AVG([C62].[C71])

University of Georgia

Weed Code	plant 1	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7	7pltavg		
Crop Code	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES		
Part Rated										
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht		
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm		
Rating Date	May-12-06	May-12-06	May-12-06	May-12-06	May-12-06	May-12-06	May-12-06	May-12-06		
Assessed By										
Trt-Eval Interval	302 DA-A	302 DA-A	302 DA-A	302 DA-A	302 DA-A	302 DA-A	302 DA-A	302 DA-A		
ARM Action Codes								T3		
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
		Unit								
			73	74	75	76	77	78	79	80
1	Bell pepper Stinger	0.333 PT/A								
2	Bell pepper Stinger Stinger	0.333 PT/A 0.333 PT/A								
3	Bell pepper Stinger	0.67 PT/A								
4	Bell pepper No Stinger									
5	Tomato Stinger	0.333 PT/A	39 ab	43 a	40 a	42 a	45 a	45 a	39 a	42 a
6	Tomato Stinger Stinger	0.333 PT/A 0.333 PT/A	37 ab	38 a	39 a	35 a	38 ab	35 b	38 a	37 b
7	Tomato Stinger	0.67 PT/A	34 b	38 a	38 a	40 a	35 b	42 ab	42 a	38 b
8	Tomato No Stinger		48 a	40 a	43 a	41 a	44 a	45 a	45 a	44 a
9	Cantaloupe Stinger	0.333 PT/A								
10	Cantaloupe Stinger Stinger	0.333 PT/A 0.333 PT/A								
11	Cantaloupe Stinger	0.67 PT/A								
12	Cantaloupe No Stinger									
LSD (P=.05)			12.7	5.2	5.3	8.4	8.1	8.3	7.9	2.8
Standard Deviation			8.0	3.3	3.3	5.2	5.1	5.2	4.9	1.8
CV			20.19	8.21	8.29	13.3	12.57	12.52	12.09	4.4
Bartlett's X2			10.013	0.633	5.733	9.62	4.291	3.291	4.024	6.257
P(Bartlett's X2)			0.018*	0.889	0.125	0.022*	0.232	0.349	0.259	0.10

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

Column 80: T3 = @AVG([C73].[C79])

University of Georgia

Weed Code	plant 1	plant 2	plant 3	3plavg	harv 1	harv 1	harv 2	harv 2
Crop Code	CUMMC	CUMMC	CUMMC	CUMMC	CPSAN	CPSAN	CPSAN	CPSAN
Part Rated								
Rating Data Type	diameter	diameter	diameter	diameter	#	wt/lb	#	wt/lb
Rating Unit	cm	cm	cm	cm	fruit	fruit	fruit	fruit
Rating Date	May-12-06	May-12-06	May-12-06	May-12-06	Jun-14-06	Jun-14-06	Jun-19-06	Jun-19-06
Assessed By								
Trt-Eval Interval	302 DA-A	302 DA-A	302 DA-A	302 DA-A	335 DA-A	335 DA-A	340 DA-A	340 DA-A
ARM Action Codes				T4				
Trt Treatment Rate								
No. Name Rate Unit	81	82	83	84	85	86	87	88
1 Bell pepper Stinger 0.333 PT/A					24 ab	12 a	11 a	5 a
2 Bell pepper Stinger 0.333 PT/A Stinger 0.333 PT/A					22 ab	8 a	11 a	5 a
3 Bell pepper Stinger 0.67 PT/A					16 b	9 a	11 a	5 a
4 Bell pepper No Stinger					31 a	14 a	8 a	4 a
5 Tomato Stinger 0.333 PT/A								
6 Tomato Stinger 0.333 PT/A Stinger 0.333 PT/A								
7 Tomato Stinger 0.67 PT/A								
8 Tomato No Stinger								
9 Cantaloupe Stinger 0.333 PT/A	157 a	150 a	157 a	155 a				
10 Cantaloupe Stinger 0.333 PT/A Stinger 0.333 PT/A	144 a	138 a	133 ab	138 a				
11 Cantaloupe Stinger 0.67 PT/A	161 a	146 a	162 a	156 a				
12 Cantaloupe No Stinger	160 a	133 a	124 b	139 a				
LSD (P=.05)	28.9	44.2	29.0	21.9	13.0	6.5	6.7	3.2
Standard Deviation	18.1	27.6	18.2	13.7	8.1	4.1	4.2	2.0
CV	11.61	19.51	12.63	9.32	35.3	37.34	41.9	44.22
Bartlett's X2	12.25	1.582	1.618	11.77	1.323	3.229	0.509	0.71
P(Bartlett's X2)	0.007*	0.664	0.655	0.008*	0.724	0.358	0.917	0.871

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

Column 84: T4 = @AVG([C81].[C83])

University of Georgia

Weed Code	harv 3 CPSAN	harv 3 CPSAN	harv 4 CPSAN	harv 4 CPSAN	Har1-2 CPSAN	Har1-2 CPSAN	Har1-4 CPSAN	Har1-4 CPSAN	harv 1 Hot pepp
Crop Code									
Part Rated									
Rating Data Type	#	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb	#
Rating Unit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit
Rating Date	Jun-26-06	Jun-26-06	Jul-05-06	Jul-05-06			Jul-05-06	Jul-05-06	Jun-14-06
Assessed By									
Trt-Eval Interval	347 DA-A	347 DA-A	356 DA-A	356 DA-A					335 DA-A
ARM Action Codes					T17	T18	T15	T16	
Trt No.	89	90	91	92	93	94	95	96	97
Treatment Name									
Rate									
Rate Unit									
1 Bell pepper Stinger 0.333 PT/A	9 a	3 a	10 a	4 a	34 ab	17 a	53 a	25 a	192 a
2 Bell pepper Stinger 0.333 PT/A Stinger 0.333 PT/A	12 a	5 a	8 a	3 a	33 ab	13 a	52 a	21 a	203 a
3 Bell pepper Stinger 0.67 PT/A	12 a	5 a	13 a	5 a	27 b	14 a	52 a	24 a	218 a
4 Bell pepper No Stinger	8 a	3 a	7 a	3 a	38 a	17 a	53 a	23 a	207 a
5 Tomato Stinger 0.333 PT/A									
6 Tomato Stinger 0.333 PT/A Stinger 0.333 PT/A									
7 Tomato Stinger 0.67 PT/A									
8 Tomato No Stinger									
9 Cantaloupe Stinger 0.333 PT/A									
10 Cantaloupe Stinger 0.333 PT/A Stinger 0.333 PT/A									
11 Cantaloupe Stinger 0.67 PT/A									
12 Cantaloupe No Stinger									
LSD (P=.05)	6.4	2.3	6.1	2.8	10.1	5.2	10.6	3.9	56.8
Standard Deviation	4.0	1.4	3.8	1.8	6.3	3.3	6.6	2.4	35.5
CV	39.81	36.68	41.56	44.12	19.17	21.23	12.66	10.47	17.35
Bartlett's X2	2.727	1.215	2.122	2.456	2.087	1.078	2.011	3.133	1.903
P(Bartlett's X2)	0.436	0.749	0.547	0.483	0.555	0.782	0.57	0.372	0.593

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

Column 93: T17 = [85]+[87]

Column 94: T18 = [86]+[88]

Column 95: T15 = [C85]+[C87]+[C89]+[C91]

Column 96: T16 = [C86]+[C88]+[C90]+[C92]

University of Georgia

Weed Code	harv 1	harv 2	harv 2	harv 1&2	harv 1&2	harv 1	harv 1	harv 2	harv 2		
Crop Code	Hot pepp	Hot pepp	Hot pepp	Hot pepp	Hot pepp	CUMMC	CUMMC	CUMMC	CUMMC		
Part Rated											
Rating Data Type	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb		
Rating Unit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit		
Rating Date	Jun-14-06	Jun-20-06	Jun-20-06			Jun-06-06	Jun-06-06	Jun-09-06	Jun-09-06		
Assessed By											
Trt-Eval Interval	335 DA-A	341 DA-A	341 DA-A			327 DA-A	327 DA-A	330 DA-A	330 DA-A		
ARM Action Codes				T5	T6						
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
		Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit		
		98	99	100	101	102	103	104	105	106	
1	Bell pepper Stinger	0.333 PT/A	12 a	226 a	15 a	417 a	27 a				
2	Bell pepper Stinger Stinger	0.333 PT/A 0.333 PT/A	13 a	195 a	13 a	398 a	26 a				
3	Bell pepper Stinger	0.67 PT/A	13 a	209 a	15 a	427 a	28 a				
4	Bell pepper No Stinger		12 a	206 a	14 a	413 a	26 a				
5	Tomato Stinger	0.333 PT/A									
6	Tomato Stinger Stinger	0.333 PT/A 0.333 PT/A									
7	Tomato Stinger	0.67 PT/A									
8	Tomato No Stinger										
9	Cantaloupe Stinger	0.333 PT/A					2 a	6 b	4 a	14 a	
10	Cantaloupe Stinger Stinger	0.333 PT/A 0.333 PT/A					3 a	12 a	4 a	15 a	
11	Cantaloupe Stinger	0.67 PT/A					3 a	14 a	4 a	17 a	
12	Cantaloupe No Stinger						3 a	9 ab	4 a	16 a	
LSD (P=.05)			4.6	43.5	3.4	82.5	6.4	1.5	5.4	2.4	10.3
Standard Deviation			2.9	27.2	2.1	51.6	4.0	0.9	3.4	1.5	6.4
CV			23.46	13.0	14.86	12.47	14.99	34.28	32.96	36.29	41.42
Bartlett's X2			0.954	2.693	8.541	0.532	0.113	3.557	4.18	1.987	4.15
P(Bartlett's X2)			0.812	0.441	0.036*	0.912	0.99	0.313	0.243	0.575	0.246

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

Column 101: T5 = ([C97]+[C99])

Column 102: T6 = ([C98]+[C100])

University of Georgia

Weed Code	harv 3	harv 3	harv 4	harv 4	harv 5	harv 5	harv 6	harv 6	
Crop Code	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	
Part Rated									
Rating Data Type	#	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb	
Rating Unit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	
Rating Date	Jun-11-06	Jun-11-06	Jun-20-06	Jun-20-06	Jun-15-06	Jun-15-06	Jun-17-06	Jun-17-06	
Assessed By									
Trt-Eval Interval	332 DA-A	332 DA-A	341 DA-A	341 DA-A	336 DA-A	336 DA-A	338 DA-A	338 DA-A	
ARM Action Codes									
Trt Treatment	Rate								
No. Name	Rate Unit	107	108	109	110	111	112	113	114
1 Bell pepper Stinger 0.333 PT/A									
2 Bell pepper Stinger 0.333 PT/A Stinger 0.333 PT/A									
3 Bell pepper Stinger 0.67 PT/A									
4 Bell pepper No Stinger									
5 Tomato Stinger 0.333 PT/A									
6 Tomato Stinger 0.333 PT/A Stinger 0.333 PT/A									
7 Tomato Stinger 0.67 PT/A									
8 Tomato No Stinger									
9 Cantaloupe Stinger 0.333 PT/A	8 a	30 a	2 b	9 b	3 a	10 a	3 a	10 a	
10 Cantaloupe Stinger 0.333 PT/A Stinger 0.333 PT/A	3 b	14 b	3 b	9 b	2 a	7 a	2 a	6 a	
11 Cantaloupe Stinger 0.67 PT/A	4 b	17 b	2 b	8 b	2 a	9 a	3 a	10 a	
12 Cantaloupe No Stinger	4 b	17 b	5 a	19 a	1 a	4 a	2 a	6 a	
LSD (P=.05)	2.8	10.8	2.0	7.8	2.4	10.6	2.4	9.6	
Standard Deviation	1.8	6.8	1.2	4.9	1.5	6.6	1.5	6.0	
CV	38.0	34.27	45.35	43.87	87.29	89.53	67.4	73.09	
Bartlett's X2	3.618	1.915	3.612	2.81	2.714	2.95	1.576	1.048	
P(Bartlett's X2)	0.306	0.59	0.307	0.422	0.438	0.399	0.665	0.79	

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

University of Georgia

Weed Code	harv 7	harv 7	harv 8	harv 8	harv 9	harv 9	harv 1&2	harv 1&2	harv 1-9	
Crop Code	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	
Part Rated										
Rating Data Type	#	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb	#	
Rating Unit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	
Rating Date	Jun-20-06	Jun-20-06	Jun-20-06	Jun-20-06	Jun-26-06	Jun-26-06				
Assessed By										
Trt-Eval Interval	341 DA-A	341 DA-A	341 DA-A	341 DA-A	347 DA-A	347 DA-A				
ARM Action Codes							T7	T8	T9	
Trt Treatment Rate	No. Name Rate Unit	115	116	117	118	119	120	121	122	123
1 Bell pepper Stinger 0.333 PT/A										
2 Bell pepper Stinger 0.333 PT/A Stinger 0.333 PT/A										
3 Bell pepper Stinger 0.67 PT/A						0 b	0 b			
4 Bell pepper No Stinger										
5 Tomato Stinger 0.333 PT/A										
6 Tomato Stinger 0.333 PT/A Stinger 0.333 PT/A										
7 Tomato Stinger 0.67 PT/A										
8 Tomato No Stinger										
9 Cantaloupe Stinger 0.333 PT/A	2 a	7 a	6 a	19 a	2 ab	5 ab	6 a	20 b	30 a	
10 Cantaloupe Stinger 0.333 PT/A Stinger 0.333 PT/A	2 a	8 a	6 a	20 a	3 ab	12 a	8 a	27 ab	27 a	
11 Cantaloupe Stinger 0.67 PT/A	2 a	6 a	6 a	21 a	1 ab	11 ab	8 a	31 a	27 a	
12 Cantaloupe No Stinger	1 a	5 a	6 a	25 a	4 a	10 ab	7 a	25 ab	29 a	
LSD (P=.05)	2.6	9.4	2.9	12.3	2.9	10.6	2.6	9.2	6.9	
Standard Deviation	1.6	5.9	1.8	7.7	1.8	6.6	1.7	5.8	4.3	
CV	89.27	88.31	31.18	35.75	100.24	89.94	24.25	22.4	15.44	
Bartlett's X2	1.404	1.119	0.204	0.802	9.618	6.04	8.401	5.229	1.886	
P(Bartlett's X2)	0.705	0.773	0.977	0.849	0.022*	0.11	0.038*	0.156	0.596	

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

Column 121: T7 = ([C103]+[C105])

Column 122: T8 = ([C104]+[C106])

Column 123: T9 = ([C103]+[C105]+[C107]+[C109]+[C111]+[C113]+[C115]+[C117]+[C119])

University of Georgia

Weed Code	harv 1-9	harv 1	harv 1	harv 1	harv 1	harv 1	harv 1	harv 1	harv 1	
Crop Code	CUMMC	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	
Part Rated		jumbo	jumbo	large	large	medium	medium	small	small	
Rating Data Type	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb	
Rating Unit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	
Rating Date		Jun-20-06	Jun-20-06	Jun-20-06	Jun-20-06	Jun-20-06	Jun-20-06	Jun-20-06	Jun-20-06	
Assessed By										
Trt-Eval Interval		341 DA-A	341 DA-A	341 DA-A	341 DA-A	341 DA-A	341 DA-A	341 DA-A	341 DA-A	
ARM Action Codes	T10									
Trt Treatment Rate	No. Name Rate Unit	124	125	126	127	128	129	130	131	132
1 Bell pepper Stinger	0.333 PT/A									
2 Bell pepper Stinger	0.333 PT/A									
2 Bell pepper Stinger	0.333 PT/A									
3 Bell pepper Stinger	0.67 PT/A									
4 Bell pepper No Stinger										
5 Tomato Stinger	0.333 PT/A		4 a	2 a	0 a	0 a	0 a	0 a	0 a	0 a
6 Tomato Stinger	0.333 PT/A		4 a	2 a	2 a	0 a	1 a	0 a	0 a	0 a
6 Tomato Stinger	0.333 PT/A									
7 Tomato Stinger	0.67 PT/A		2 a	1 a	0 a	0 a	0 a	0 a	0 a	0 a
8 Tomato No Stinger			5 a	3 a	0 a	0 a	1 a	0 a	0 a	0 a
9 Cantaloupe Stinger	0.333 PT/A	111 a								
10 Cantaloupe Stinger	0.333 PT/A	103 a								
10 Cantaloupe Stinger	0.333 PT/A									
11 Cantaloupe Stinger	0.67 PT/A	112 a								
12 Cantaloupe No Stinger		112 a								
LSD (P=.05)	34.6	6.3	3.5	2.1	0.6	0.9	0.1	0.5	0.0	
Standard Deviation	21.7	4.0	2.2	1.3	0.4	0.5	0.1	0.3	0.0	
CV	19.75	110.93	110.94	258.2	294.19	170.75	271.79	230.94	230.94	
Bartlett's X2	2.613	4.448	4.355	9.368	13.2	1.321	6.257	0.0	0.0	
P(Bartlett's X2)	0.455	0.217	0.226	0.009*	0.001*	0.25	0.012*	0.001*	1.00	

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

Column 124: T10 = ([C104]+[C106]+[C108]+[C110]+[C112]+[C114]+[C116]+[C118]+[C120])

University of Georgia

Weed Code	harv 1	harv 1	harv 1	harv 1	harv 2	harv 2	harv 2	harv 2
Crop Code	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES
Part Rated	exsmal	exsmal	cull	cull	jumbo	jumbo	large	large
Rating Data Type	#	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb
Rating Unit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit
Rating Date	Jun-20-06	Jun-20-06	Jun-20-06	Jun-20-06	Jun-26-06	Jun-26-06	Jun-26-06	Jun-26-06
Assessed By	341 DA-A	341 DA-A	341 DA-A	341 DA-A	347 DA-A	347 DA-A	347 DA-A	347 DA-A
Trt-Eval Interval	341 DA-A	341 DA-A	341 DA-A	341 DA-A	347 DA-A	347 DA-A	347 DA-A	347 DA-A
ARM Action Codes								
Trt Treatment								
No. Name Rate Unit	133	134	135	136	137	138	139	140
1 Bell pepper Stinger 0.333 PT/A								
2 Bell pepper Stinger 0.333 PT/A Stinger 0.333 PT/A								
3 Bell pepper Stinger 0.67 PT/A								
4 Bell pepper No Stinger								
5 Tomato Stinger 0.333 PT/A	0 a	0 a	1 a	0 a	42 a	27 a	6 a	2 a
6 Tomato Stinger 0.333 PT/A Stinger 0.333 PT/A	1 a	0 a	0 a	0 a	38 a	25 a	9 a	4 a
7 Tomato Stinger 0.67 PT/A	0 a	0 a	0 a	0 a	34 a	21 a	4 a	1 a
8 Tomato No Stinger	0 a	0 a	2 a	1 a	45 a	29 a	7 a	3 a
9 Cantaloupe Stinger 0.333 PT/A								
10 Cantaloupe Stinger 0.333 PT/A Stinger 0.333 PT/A								
11 Cantaloupe Stinger 0.67 PT/A								
12 Cantaloupe No Stinger								
LSD (P=.05)	0.8	0.0	2.4	0.7	17.0	10.0	9.0	3.3
Standard Deviation	0.5	0.0	1.5	0.5	10.6	6.3	5.6	2.1
CV	210.82	260.34	183.76	151.15	26.88	24.57	85.38	80.6
Bartlett's X2	1.17	9.798	3.802	3.111	6.684	5.529	3.034	4.189
P(Bartlett's X2)	0.279	0.002*	0.051	0.078	0.083	0.137	0.386	0.242

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

University of Georgia

Weed Code	harv 2 LYPES	harv 2 LYPES	harv 2 LYPES	harv 2 LYPES	harv 2 LYPES	harv 2 LYPES	harv 2 LYPES	harv 2 LYPES
Crop Code	medium	medium	small	small	exsmal	exsmal	cull	cull
Part Rated	#	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb
Rating Data Type	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit
Rating Unit	Jun-26-06	Jun-26-06	Jun-26-06	Jun-26-06	Jun-26-06	Jun-26-06	Jun-26-06	Jun-26-06
Rating Date	347 DA-A	347 DA-A	347 DA-A	347 DA-A	347 DA-A	347 DA-A	347 DA-A	347 DA-A
Assessed By								
Trt-Eval Interval								
ARM Action Codes								
Trt Treatment Rate								
No. Name Rate Unit	141	142	143	144	145	146	147	148
1 Bell pepper Stinger 0.333 PT/A								
2 Bell pepper Stinger 0.333 PT/A Stinger 0.333 PT/A								
3 Bell pepper Stinger 0.67 PT/A								
4 Bell pepper No Stinger								
5 Tomato Stinger 0.333 PT/A	3 a	1 a	0 b	0 b	1 a	0 a	3 ab	1 bc
6 Tomato Stinger 0.333 PT/A Stinger 0.333 PT/A	2 a	1 a	1 ab	0 ab	1 a	0 a	7 a	4 a
7 Tomato Stinger 0.67 PT/A	1 a	0 a	1 a	0 a	1 a	0 a	6 ab	3 ab
8 Tomato No Stinger	4 a	1 a	0 ab	0 b	1 a	0 a	2 b	1 c
9 Cantaloupe Stinger 0.333 PT/A								
10 Cantaloupe Stinger 0.333 PT/A Stinger 0.333 PT/A								
11 Cantaloupe Stinger 0.67 PT/A								
12 Cantaloupe No Stinger								
LSD (P=.05)	3.1	0.9	0.8	0.2	1.6	0.3	4.3	2.3
Standard Deviation	1.9	0.5	0.5	0.1	1.0	0.2	2.7	1.5
CV	80.93	77.29	109.42	95.36	129.58	112.46	60.59	61.6
Bartlett's X2	4.136	4.342	0.773	0.533	0.98	1.813	1.738	0.916
P(Bartlett's X2)	0.247	0.227	0.679	0.766	0.806	0.612	0.629	0.822

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

University of Georgia

Weed Code	harv 3 LYPES	harv 3 LYPES	harv 3 LYPES	harv 3 LYPES	harv 3 LYPES	harv 3 LYPES	harv 3 LYPES	harv 3 LYPES
Crop Code	jumbo	jumbo	large	large	medium	medium	small	small
Part Rated	#	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb
Rating Data Type	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit
Rating Unit	Jun-30-06	Jun-30-06	Jun-30-06	Jun-30-06	Jun-30-06	Jun-30-06	Jun-30-06	Jun-30-06
Rating Date	351 DA-A	351 DA-A	351 DA-A	351 DA-A	351 DA-A	351 DA-A	351 DA-A	351 DA-A
Assessed By	ARM Action Codes							
Trt-Eval Interval								
ARM Action Codes								
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate
Unit	Rate	Unit	Unit	Unit	Unit	Unit	Unit	Unit
149		150	151	152	153	154	155	156
1	Bell pepper Stinger	0.333 PT/A						
2	Bell pepper Stinger	0.333 PT/A						
	Stinger	0.333 PT/A						
3	Bell pepper Stinger	0.67 PT/A						
4	Bell pepper No Stinger							
5	Tomato Stinger	0.333 PT/A	18 a	12 a	2 ab	1 ab	1 a	0 a
6	Tomato Stinger	0.333 PT/A	16 a	9 a	6 a	2 a	3 a	1 a
	Stinger	0.333 PT/A						
7	Tomato Stinger	0.67 PT/A	21 a	13 a	4 ab	1 ab	1 a	0 a
8	Tomato No Stinger		23 a	14 a	1 b	1 b	1 a	0 a
9	Cantaloupe Stinger	0.333 PT/A						
10	Cantaloupe Stinger	0.333 PT/A						
	Stinger	0.333 PT/A						
11	Cantaloupe Stinger	0.67 PT/A						
12	Cantaloupe No Stinger							
LSD (P=.05)	13.3	8.4	3.9	1.5	2.7	0.9	0.8	0.2
Standard Deviation	8.3	5.2	2.4	0.9	1.7	0.6	0.5	0.1
CV	43.68	43.91	75.82	71.05	147.41	146.55	153.19	142.8
Bartlett's X2	1.813	2.118	6.132	4.999	7.864	6.145	1.532	0.618
P(Bartlett's X2)	0.612	0.548	0.105	0.172	0.049*	0.105	0.465	0.734

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

University of Georgia

Weed Code	harv 3	harv 3	harv 3	harv 3	harv 4	harv 4	harv 4	harv 4	harv 4		
Crop Code	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES		
Part Rated	exsmal	exsmal	cull	cull	jumbo	jumbo	large	large	medium		
Rating Data Type	#	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb	#		
Rating Unit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit		
Rating Date	Jun-30-06	Jun-30-06	Jun-30-06	Jun-30-06	Jul-06-06	Jul-06-06	Jul-06-06	Jul-06-06	Jul-06-06		
Assessed By	351 DA-A	351 DA-A	351 DA-A	351 DA-A	357 DA-A	357 DA-A	357 DA-A	357 DA-A	357 DA-A		
Trt-Eval Interval	351 DA-A	351 DA-A	351 DA-A	351 DA-A	357 DA-A	357 DA-A	357 DA-A	357 DA-A	357 DA-A		
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		
157											
158											
159											
160											
161											
162											
163											
164											
165											
1	Bell pepper Stinger	0.333 PT/A									
2	Bell pepper Stinger Stinger	0.333 PT/A 0.333 PT/A									
3	Bell pepper Stinger	0.67 PT/A									
4	Bell pepper No Stinger										
5	Tomato Stinger	0.333 PT/A	0 a	0 a	2 a	1 a	48 a	24 a	33 a	11 a	27 a
6	Tomato Stinger Stinger	0.333 PT/A 0.333 PT/A	2 a	0 a	7 a	3 a	18 b	9 b	10 b	3 b	18 a
7	Tomato Stinger	0.67 PT/A	0 a	0 a	6 a	3 a	17 b	9 b	11 b	4 b	13 a
8	Tomato No Stinger		1 a	0 a	2 a	1 a	55 a	30 a	39 a	13 a	20 a
9	Cantaloupe Stinger	0.333 PT/A									
10	Cantaloupe Stinger Stinger	0.333 PT/A 0.333 PT/A									
11	Cantaloupe Stinger	0.67 PT/A									
12	Cantaloupe No Stinger										
LSD (P=.05)			1.8	0.4	5.2	3.2	23.3	11.6	19.1	6.9	14.7
Standard Deviation			1.1	0.3	3.2	2.0	14.5	7.3	11.9	4.3	9.2
CV			178.89	222.09	80.58	98.48	42.46	40.0	51.48	54.77	47.05
Bartlett's X2			5.725	11.991	3.495	5.579	2.587	1.917	8.546	8.802	12.284
P(Bartlett's X2)			0.057	0.002*	0.321	0.134	0.46	0.59	0.036*	0.032*	0.006*

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

University of Georgia

Weed Code	harv 4 LYPES	harv 4 LYPES	harv 4 LYPES	harv 4 LYPES	harv 4 LYPES	harv 4 LYPES	harv 4 LYPES	Har1-4 LYPES	Har1-4 LYPES			
Crop Code	medium	small	small	exsmal	exsmal	cull	cull	jumbo	jumbo			
Part Rated	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb			
Rating Data Type	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit			
Rating Unit	Jul-06-06	Jul-06-06	Jul-06-06	Jul-06-06	Jul-06-06	Jul-06-06	Jul-06-06	Aug-24-06	Aug-24-06			
Rating Date	357 DA-A	357 DA-A	357 DA-A	357 DA-A	357 DA-A	357 DA-A	357 DA-A					
Assessed By								T19	T20			
Trt-Eval Interval												
ARM Action Codes												
Trt No.	Treatment Name	Rate	Unit	166	167	168	169	170	171	172	173	174
1	Bell pepper Stinger	0.333	PT/A									
2	Bell pepper Stinger Stinger	0.333 0.333	PT/A PT/A									
3	Bell pepper Stinger	0.67	PT/A									
4	Bell pepper No Stinger											
5	Tomato Stinger	0.333	PT/A	7 a	10 a	2 a	27 ab	4 a	7 a	3 a	111 a	65 a
6	Tomato Stinger Stinger	0.333 0.333	PT/A PT/A	5 a	10 a	2 a	29 ab	3 ab	4 a	2 a	75 b	45 b
7	Tomato Stinger	0.67	PT/A	3 a	7 a	1 a	34 a	4 a	9 a	4 a	73 b	45 b
8	Tomato No Stinger			5 a	10 a	2 a	17 b	2 b	6 a	3 a	128 a	76 a
9	Cantaloupe Stinger	0.333	PT/A									
10	Cantaloupe Stinger Stinger	0.333 0.333	PT/A PT/A									
11	Cantaloupe Stinger	0.67	PT/A									
12	Cantaloupe No Stinger											
LSD (P=.05)				4.1	10.6	2.5	14.8	1.1	5.4	2.8	26.0	15.5
Standard Deviation				2.6	6.7	1.6	9.3	0.7	3.4	1.8	16.3	9.7
CV				52.05	72.43	81.59	34.98	23.45	51.31	61.77	16.85	16.86
Bartlett's X2				13.63	6.295	8.355	7.709	0.972	1.267	1.773	2.263	1.799
P(Bartlett's X2)				0.003*	0.098	0.039*	0.052	0.808	0.737	0.621	0.52	0.615

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

Column 173: T19 = [125]+[137]+[149]+[161]

Column 174: T20 = [126]+[138]+[150]+[162]

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Weed Code	Har1-4	Har1-4	Har1-4	Har1-4	Har1-4	Har1-4	Har1-4	Har1-4
Crop Code	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES
Part Rated	large	large	med	med	med	med	small	small
Rating Data Type	#	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb
Rating Unit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit
Rating Date	Aug-24-06	Aug-24-06	Aug-24-06	Aug-24-06	Aug-24-06	Aug-24-06	Aug-24-06	Aug-24-06
Assessed By								
Trt-Eval Interval								
ARM Action Codes	T21	T22	T23	T24	T25	T26	T27	T28
Trt No.	175	176	177	178	179	180	181	182
Treatment Name								
Rate								
Unit								
1 Bell pepper Stinger 0.333 PT/A								
2 Bell pepper Stinger 0.333 PT/A Stinger 0.333 PT/A								
3 Bell pepper Stinger 0.67 PT/A								
4 Bell pepper No Stinger								
5 Tomato Stinger 0.333 PT/A	42 ab	15 ab	30 a	8 a	10 a	10 a	28 ab	4 a
6 Tomato Stinger 0.333 PT/A Stinger 0.333 PT/A	26 ab	10 ab	24 ab	6 a	11 a	10 a	33 a	4 a
7 Tomato Stinger 0.67 PT/A	18 b	7 b	15 b	4 a	8 a	7 a	35 a	4 a
8 Tomato No Stinger	48 a	17 a	25 ab	6 a	11 a	10 a	18 b	2 b
9 Cantaloupe Stinger 0.333 PT/A								
10 Cantaloupe Stinger 0.333 PT/A Stinger 0.333 PT/A								
11 Cantaloupe Stinger 0.67 PT/A								
12 Cantaloupe No Stinger								
LSD (P=.05)	22.6	7.9	13.9	4.1	10.2	10.5	14.0	1.0
Standard Deviation	14.1	5.0	8.7	2.5	6.4	6.6	8.7	0.7
CV	42.19	41.58	37.19	41.59	63.21	69.93	31.09	19.55
Bartlett's X2	6.702	8.543	7.57	8.241	4.992	6.234	9.775	1.204
P(Bartlett's X2)	0.082	0.036*	0.056	0.041*	0.172	0.101	0.021*	0.752

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

Column 175: T21 = [127]+[139]+[151]+[163]

Column 176: T22 = [128]+[140]+[152]+[164]

Column 177: T23 = [129]+[141]+[153]+[165]

Column 178: T24 = [130]+[142]+[154]+[166]

Column 179: T25 = [131]+[143]+[155]+[167]

Column 180: T26 = [132]+[144]+[156]+[167]

Column 181: T27 = [133]+[145]+[157]+[169]

Column 182: T28 = [134]+[146]+[158]+[170]

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Weed Code	Har1-4	Har1-4
Crop Code	LYPES	LYPES
Part Rated	ALL	ALL
Rating Data Type	#	wt/lb
Rating Unit	fruit	fruit
Rating Date	Aug-24-06	Aug-24-06
Assessed By		
Trt-Eval Interval		
ARM Action Codes	T29	T30
Trt No.	183	184
Treatment Name		
Rate		
Unit		
1 Bell pepper Stinger	0.333 PT/A	
2 Bell pepper Stinger	0.333 PT/A	
Stinger	0.333 PT/A	
3 Bell pepper Stinger	0.67 PT/A	
4 Bell pepper No Stinger		
5 Tomato Stinger	0.333 PT/A	220 a 101 a
6 Tomato Stinger	0.333 PT/A	169 b 75 b
Stinger	0.333 PT/A	
7 Tomato Stinger	0.67 PT/A	149 b 66 b
8 Tomato No Stinger		228 a 111 a
9 Cantaloupe Stinger	0.333 PT/A	
10 Cantaloupe Stinger	0.333 PT/A	
Stinger	0.333 PT/A	
11 Cantaloupe Stinger	0.67 PT/A	
12 Cantaloupe No Stinger		
LSD (P=.05)	35.9	18.5
Standard Deviation	22.5	11.5
CV	11.74	13.07
Bartlett's X2	2.996	8.535
P(Bartlett's X2)	0.392	0.036*

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

Column 183: T29 = [173]+[175]+[177]+[179]+[181]

Column 184: T30 = [174]+[176]+[178]+[180]+[182]

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

SOIL DESCRIPTION

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

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

No.	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

Overall Moisture Conditions: drip irrigation

Closest Weather Station: _____ Distance: _____ Unit: __

APPLICATION DESCRIPTION

	A	B
Application Date:	Dec-06-05	Jan-27-06
Time of Day:	5:00 pm	9:00 am
Application Method:	Broadcast	Broadcast
Application Timing:	fall	spring
Applic. Placement:	overtop	overtop
Air Temp., Unit:	64 F	61 F
% Relative Humidity:	33	27
Wind Velocity, Unit:	0 mph	0 mph
Dew Presence (Y/N):	N	N
Water Hardness:		
Soil Temp., Unit:	54 F	62 F
Soil Moisture:	moist	moist
% Cloud Cover:	0	0

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	FRAAN fall	FRAAN spring
Stage Scale:	3-5 lf	6-8 lf
Height, Unit:	5 inch	5 inch

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	.	.
Stage Scale:	.	.
Density, Unit:	.	.

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APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	backpack	backpack
Operating Pressure:	24	24
Nozzle Type:	flat fan	flat fan
Nozzle Size:	11002	11002
Nozzle Spacing, Unit:	18 inch	18 inch
Nozzles/Row:	2	2
Band Width, Unit:		
Boom Length, Unit:	4.5 feet	4.5 feet
Boom Height, Unit:	15 inch	15 inch
Ground Speed, Unit:	3 mph	3 mph
Incorporation Equip.:		
Hours to Incorp.:		
Incorp. Depth, Unit:		
Carrier:	water	water
Spray Volume, Unit:	14.8 GPA	14.8 GPA
Spray pH:		
Propellant:	CO2	CO2
Tank Mix (Y/N):	Y	Y

Trt No	Treatment Application Comment