

# University of Georgia

## Pepper and tomato response to V-10142 applied PRE under mulch.

Trial ID: Veg13-06  
Location: Ponder (5139)

Study Dir.: Stanley Culpepper  
Investigator: Stanley Culpepper

Reps: 3                      Plots: 3 by 15 feet  
Spray vol: 30 gal/ac      Mix size: 3 liters (min .35195)

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
1	V-10142 Day 0	75	WDG	0.1	LB A/A	PRE U PL	A	1.598 g/mx	101	209	303
2	V-10142 Day 7	75	WDG	0.1	LB A/A	PRE U PL	A B	1.598 g/mx	102	208	301
3	V-10142 Day 14	75	WDG	0.1	LB A/A	PRE U PL	A C	1.598 g/mx	103	207	302
4	V-10142 Day 0	3.3	FL	0.1	LB A/A	PRE U PL	A	3.03 ml/mx	104	206	305
5	V-10142 Day 7	3.3	FL	0.1	LB A/A	PRE U PL	A B	3.03 ml/mx	105	204	306
6	V-10142 Day 14	3.3	FL	0.1	LB A/A	PRE U PL	A C	3.03 ml/mx	106	205	304
7	V-10142 Day 0	75	WDG	0.15	LB A/A	PRE U PL	A	2.397 g/mx	107	215	308
8	V-10142 Day 7	75	WDG	0.15	LB A/A	PRE U PL	A B	2.397 g/mx	108	213	309
9	V-10142 Day 14	75	WDG	0.15	LB A/A	PRE U PL	A C	2.397 g/mx	109	214	307
10	V-10142 Day 0	75	WDG	0.2	LB A/A	PRE U PL	A	3.195 g/mx	110	212	311
11	V-10142 Day 7	75	WDG	0.2	LB A/A	PRE U PL	A B	3.195 g/mx	111	210	312
12	V-10142 Day 14	75	WDG	0.2	LB A/A	PRE U PL	A C	3.195 g/mx	112	211	310
13	Sandea Day 7	75	WDG	0.047	LB A/A	PRE U PL	B	0.7509 g/mx	113	203	315
14	Envoke Day 7	75	WDG	0.1	OZ/A	PRE U PL	B	.07489 g/mx	114	202	314
15	Non-treated Day 7						B		115	201	313

Sort Order: Treatment

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

Amount*	Unit	Treatment Name	Form Conc	Form Type	Lot Code
26.961	g	V-10142	75	WDG	
11.362	ml	V-10142	3.3	FL	
0.939	g	Sandea	75	WDG	
0.094	g	Envoke	75	WDG	

\* 'Per area' calculations based on spray volume= 30 gal/ac, mix size= 3 liters (mix size basis).

\* Product amount calculations increased 25 % for overage adjustment.

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## Pepper and tomato response to V-10142 applied PRE under mulch.

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### Trial Comments

**OBJECTIVE:** Evaluate the potential for V10142 in pepper and tomato.

#### VISUAL INJURY:

1. Pepper: Within the factorial (the V-10142 treatments only) and pooled over planting date, injury was less than 4% with 0.1 or 0.15 lb ai/A and 8.8% with 0.2 lb ai/A of 10142.
2. Pepper when comparing all treatments: Injury (stunting) from 10142 was greater than 10% with 0.2 lb ai/A only when transplanted the day after applying the herbicide. Greater injury (21-27%) was noted with Sandea and Envoke when compared to V10142.
3. Tomato Injury: No treatment visually impacted tomato.

#### NUTSEDGE RESPONSE:

1. Within the factorial and pooled over plant date, the liquid formulation of V10142 at 0.1 lb ai/A was at least 10% more effective than other rates of 10142 including 0.2 lb ai/A of the 75 WDG.
2. Control by Envoke or Sandea was no more effective than any 10142 treatments when comparing all treatments in the standard analysis.

#### NUTSEDGE EMERGENCE COUNTS:

1. Nutsedge penetrating the mulch for the entire plot were counted in early and late April. In early April, 31% less nutsedge had emerged in plots treated with the liquid 10142 as compared to any rate of the 75 WDG. By late April, the trend was still apparent with at least 9% less nutsedge in plots treated with the liquid 10142.

#### PLANT HEIGHTS:

1. Pepper: In early April, 10 plants per plot were measured and treatments had no impact. In early May, 20 plant heights per plot were taken and within the factorial data showed no impact from herbicide treatments but plants were shorter when planted at day 14.
2. Pepper: When looking at the standard analysis comparing within plant date 7, pepper in plots treated with Sandea and Envoke were shorter than other treatments.
3. Tomato: Within it the factorial in both early April and May, herbicide treatments had no impact while plant size was directly related to plant date with the largest tomato planted on day 0 and the shortest tomato planted on day 14.
4. Tomato: Envoke and Sandea had no impact on plant growth.

#### PEPPER YIELD:

1. Plots were harvested 5 times by a hired crew of Mexicans with much experience.
2. When adding Harvest dates 1 and 2 or harvest dates 1-5, treatments had no impact.
3. When obtaining the average fruit size within the factorial, greater fruit size was noted with plants planted on Day 14 (planted after air temps reached 31 degrees F).

#### TOMATO YIELD:

1. Plots were harvested 6 times by Culpepper's crew. Each time fruit was sized and weighed into the following categories: Jumbo, Large, Medium, Small, Extra Small and Cull.
2. Herbicide treatments did not impact fruit size or weight of any category.
3. When adding Harvest dates 1-2 within the factorial, more Jumbo fruit were noted with plant date 0.
4. When adding all harvest dates (1-6) within the factorial, plant date 0 had more Jumbo fruit and weight than other plant dates. Consequently, plant date 0 had less large fruit when compared to other plant dates.
5. When adding all harvests and all fruit sizes (except cull) treatments had no impact on the total number and weight of tomato produced.

#### CHANGES FOR FUTURE:

1. All plots must be at least 25 foot to reduce some of the harvest variability which we proved during the spring of 2006.

#### GENERAL COMMENTS:

1. Planting dates were March 8 for day 0, March 13 for day 7, and March 17 for day 14.
2. Three additional plots were planted for visual reference and were non-treated plots planted on each plant date. Data is recorded below.

nutsedge cts 4-6-06  
plant date 0 - 115  
plant date 7 - 123  
plant date 14- 156

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nutsedge cts 4-26-06

plant date 0 - 92  
 plant date 7 - 105  
 plant date 14- 107

pepper ht cm 4-4-06

plant date 0        14 13 13 14 15 9 11 8 9 11  
 plant date 7        13 12 14 10 12 8 9 8 11 10  
 plant date 14       8 5 8 6 7 7 8 8 9 7

pepper ht cm 5-4-06

plant date 0        45 47 47 47 37 38 43 45 43 46 34 40 40 38 39 36 35 38 39 39  
 plant date 7        40 38 40 41 37 38 42 36 34 32 38 36 37 37 41 41 42 39 31 33  
 plant date 14       37 40 39 43 38 38 37 33 34 36 41 35 38 32 40 32 33 37 37 37

tomato ht cm 4-4-06

plant date 0        31 29 30 30 28 26 31  
 plant date 7        24 20 26 22 25 23 23  
 plant date 14       17 16 17 18 16 15 17

tomato ht cm 5-4-06

plant date 0        81 77 79 81 79 82 89  
 plant date 7        84 75 77 76 68 76 72  
 plant date 14       62 64 54 67 66 71 74

harv 1	#	lb
plant date 0	3	1.24
plant date 7	3	1.34
plant date 14	0	0

harv 2	#	lb
plant date 0	30	12
plant date 7	41	16.77
plant date 14	30	12.99

harv 3	#	lb
plant date 0	38	15.33
plant date 7	32	12.27
plant date 14	29	11.75

harv 4	#	lb
plant date 0	19	7.1
plant date 7	21	8.12
plant date 14	25	9.99

harv 5	#	lb
plant date 0	18	6.21
plant date 7	13	5.13
plant date 14	13	4.67

harv 1 tomato 5-23-06

	jumbo	large	medium	small	exsmall	cull
plant date 0	5 2.32	2 .62	0 0	0 0	0 0	5 2.2
plant date 7	0 0	2 .65	1 .26	0 0	0 0	2 .83
plant date 14	3 1.48	1 .30	0 0	0 0	0 0	1 .49

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harv 2 tomato 5-26-06											
	jumbo		large		medium		small		exsmall		cull
plant date 0	3	1.76	0	0	1	.28	0	0	0	0	0
plant date7	0	0	1	.24	0	0	0	0	0	0	3 .91
plant date 14	2	.88	0	0	0	0	0	0	0	0	0
harv 3 tomato 6-1-06											
	jumbo		large		medium		small		exsmall		cull
plant date 0	3	1.79	2	.7	1	.29	0	0	0	0	0 0
plant date7	5	2.33	3	1.08	1	.25	1	.19	0	0	0 0
plant date 14	4	2.26	1	.34	1	.25	0	0	0	0	0 0
harv 4 tomato 6-8-06											
	jumbo		large		medium		small		exsmall		cull
plant date 0											
plant date7											
plant date 14											
harv 5 tomato 6-15-06											
	jumbo		large		medium		small		exsmall		cull
plant date 0	63	34.13	15	5.72	2	.49	2	.28	2	.27	8 3.67
plant date7	49	27.96	12	4.19	1	.26	0	0	1	.19	14 5.72
plant date 14	8	4.15	5	2.05	1	.80	0	0	2	.38	3 .91
harv 6 tomato 6-20-06											
	jumbo		large		medium		small		exsmall		cull
plant date 0	21	10.46	12	4.37	5	1.41	3	.71	18	1.70	1 .75
plant date7	32	15.29	12	3.97	5	4.11	3	.60	26	2.22	0 0
plant date 14	63	36.11	30	10.34	13	3.6	1	.28	91	4.7	0 0

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Trial ID: Veg13-06

Study Dir.: Stanley Culpepper

Location: Ponder (5139)

Investigator: Stanley Culpepper

Weed Code	CPSAN	LYPES	CYPES	CYPES	CYPES	plant 1 CPSAN	plant 2 CPSAN	plant 3 CPSAN	plant 4 CPSAN			
Crop Code												
Part Rated												
Rating Data Type	injury	injury	control	emerged	emerged	ht/lt	ht/lt	ht/lt	ht/lt			
Rating Unit	%	%	%	#/plot	#/plot	cm	cm	cm	cm			
Rating Date	Apr-22-06	Apr-22-06	Apr-22-06	Apr-06-06	Apr-26-06	Apr-04-06	Apr-04-06	Apr-04-06	Apr-04-06			
Assessed By	SC	SC	SC									
Trt-Eval Interval	45 DA-A	45 DA-A	45 DA-A	29 DA-A	49 DA-A	27 DA-A	27 DA-A	27 DA-A	27 DA-A			
ARM Action Codes												
Trt No.	Treatment Name	Rate	Rate Unit	1	2	3	4	5	6	7	8	9
1	V-10142 Day 0	0.1	LB A/A	2 c	0 a	42 b	46 a	34 ab	8 a	9 a	9 a	8 ab
2	V-10142 Day 7	0.1	LB A/A	0 c	0 a	42 b	58 a	44 ab	9 a	9 a	9 a	9 ab
3	V-10142 Day 14	0.1	LB A/A	2 c	0 a	42 b	73 a	54 ab	8 a	8 a	7 a	7 ab
4	V-10142 Day 0	0.1	LB A/A	2 c	0 a	67 ab	44 a	32 ab	8 a	8 a	8 a	8 ab
5	V-10142 Day 7	0.1	LB A/A	4 c	0 a	67 ab	52 a	40 ab	10 a	7 a	9 a	8 ab
6	V-10142 Day 14	0.1	LB A/A	2 c	0 a	67 ab	24 a	20 b	9 a	7 a	8 a	8 ab
7	V-10142 Day 0	0.15	LB A/A	8 bc	0 a	50 ab	59 a	36 ab	9 a	9 a	8 a	9 ab
8	V-10142 Day 7	0.15	LB A/A	2 c	0 a	50 ab	72 a	50 ab	10 a	9 a	9 a	10 a
9	V-10142 Day 14	0.15	LB A/A	0 c	0 a	50 ab	43 a	34 ab	8 a	6 a	8 a	8 ab
10	V-10142 Day 0	0.2	LB A/A	14 b	0 a	57 ab	66 a	44 ab	9 a	8 a	7 a	8 ab
11	V-10142 Day 7	0.2	LB A/A	8 bc	0 a	57 ab	62 a	22 ab	8 a	7 a	8 a	9 ab
12	V-10142 Day 14	0.2	LB A/A	4 c	0 a	57 ab	72 a	36 ab	7 a	8 a	8 a	7 b
13	Sandea Day 7	0.047	LB A/A	27 a	0 a	70 a	41 a	28 ab	8 a	8 a	7 a	7 ab
14	Envoke Day 7	0.1	OZ/A	22 a	0 a	50 ab	46 a	45 ab	7 a	6 a	6 a	7 ab
15	Non-treated Day 7			0 c	0 a	0 c	63 a	61 a	8 a	9 a	9 a	8 ab
LSD (P=.05)				7.6	0.0	23.8	58.2	33.6	2.6	3.0	3.3	2.9
Standard Deviation				4.5	0.0	14.2	34.8	20.1	1.6	1.8	2.0	1.7
CV				71.02	0.0	27.9	63.62	52.08	18.91	22.66	24.88	21.19
Bartlett's X2				9.852	0.0	10.636	22.101	16.196	9.476	12.976	5.308	3.795
P(Bartlett's X2)				0.544	.	0.641	0.077	0.302	0.736	0.528	0.981	0.987

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

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Weed Code	plant 5 CPSAN	plant 6 CPSAN	plant 7 CPSAN	plant 8 CPSAN	plant 9 CPSAN	plant 10 CPSAN	Avg10pla CPSAN	plant 1 CPSAN			
Crop Code											
Part Rated											
Rating Data Type	ht/lt	ht/rt	ht/rt	ht/rt	ht/rt	ht/rt	ht	ht/lt			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Apr-04-06	Apr-04-06	Apr-04-06	Apr-04-06	Apr-04-06	Apr-04-06	Apr-04-06	May-04-06			
Assessed By											
Trt-Eval Interval	27 DA-A	27 DA-A	27 DA-A	27 DA-A	27 DA-A	27 DA-A	27 DA-A	57 DA-A			
ARM Action Codes							T1				
Trt No.	Treatment Name	Rate	Unit	10	11	12	13	14	15	16	17
1	V-10142 Day 0	0.1	LB A/A	9 ab	7 a	7 a	7 abc	8 a	9 ab	8 a	31 ab
2	V-10142 Day 7	0.1	LB A/A	9 ab	9 a	8 a	8 abc	8 a	6 b	8 a	37 a
3	V-10142 Day 14	0.1	LB A/A	8 b	7 a	6 a	7 abc	7 a	6 b	7 a	25 abc
4	V-10142 Day 0	0.1	LB A/A	10 ab	9 a	9 a	9 ab	7 a	7 ab	8 a	32 ab
5	V-10142 Day 7	0.1	LB A/A	9 ab	7 a	7 a	6 bc	7 a	7 ab	8 a	35 ab
6	V-10142 Day 14	0.1	LB A/A	9 ab	7 a	6 a	5 c	7 a	7 ab	7 a	32 ab
7	V-10142 Day 0	0.15	LB A/A	9 ab	8 a	9 a	8 abc	9 a	8 ab	9 a	35 ab
8	V-10142 Day 7	0.15	LB A/A	12 a	8 a	8 a	8 abc	8 a	8 ab	9 a	36 a
9	V-10142 Day 14	0.15	LB A/A	8 b	7 a	8 a	9 ab	7 a	7 ab	8 a	36 ab
10	V-10142 Day 0	0.2	LB A/A	8 b	7 a	8 a	6 bc	6 a	7 b	7 a	38 a
11	V-10142 Day 7	0.2	LB A/A	10 ab	7 a	8 a	7 abc	7 a	7 ab	8 a	32 ab
12	V-10142 Day 14	0.2	LB A/A	7 b	7 a	7 a	7 abc	7 a	6 b	7 a	21 bc
13	Sandea Day 7	0.047	LB A/A	7 b	7 a	7 a	7 abc	6 a	7 b	7 a	16 c
14	Envoke Day 7	0.1	OZ/A	9 ab	8 a	7 a	8 abc	6 a	8 ab	7 a	33 ab
15	Non-treated Day 7			9 ab	8 a	9 a	9 a	8 a	11 a	9 a	37 a
LSD (P=.05)				3.0	2.3	2.7	2.3	2.7	2.9	1.6	13.0
Standard Deviation				1.8	1.4	1.6	1.4	1.6	1.7	1.0	7.8
CV				20.37	18.5	21.07	18.38	22.03	22.9	12.25	24.5
Bartlett's X2				12.641	15.974	11.975	8.47	12.14	7.993	11.194	23.647
P(Bartlett's X2)				0.555	0.251	0.53	0.863	0.516	0.89	0.671	0.051

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

Column 16: T1 = (([C6]+[C7]+[C8]+[C9]+[C10]+[C11]+[C12]+[C13]+[C14]+[C15])/10

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Weed Code	plant 2 CPSAN	plant 3 CPSAN	plant 4 CPSAN	plant 5 CPSAN	plant 6 CPSAN	plant 7 CPSAN	plant 8 CPSAN	plant 9 CPSAN			
Crop Code											
Part Rated											
Rating Data Type	ht/lt	ht/lt	ht/lt	ht/lt	ht/lt	ht/lt	ht/lt	ht/lt			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	May-04-06	May-04-06	May-04-06	May-04-06	May-04-06	May-04-06	May-04-06	May-04-06			
Assessed By											
Trt-Eval Interval	57 DA-A	57 DA-A	57 DA-A	57 DA-A	57 DA-A	57 DA-A	57 DA-A	57 DA-A			
ARM Action Codes											
Trt No.	Treatment Name	Rate	Rate Unit	18	19	20	21	22	23	24	25
1	V-10142 Day 0	0.1	LB A/A	29 ab	26 a-e	30 a	30 ab	29 cd	34 ab	35 abc	35 ab
2	V-10142 Day 7	0.1	LB A/A	35 ab	33 abc	36 a	39 a	41 a	34 ab	36 ab	35 ab
3	V-10142 Day 14	0.1	LB A/A	27 ab	28 a-e	27 a	28 ab	28 d	29 ab	28 bcd	27 b
4	V-10142 Day 0	0.1	LB A/A	32 ab	33 abc	22 a	31 ab	33 a-d	32 ab	27 bcd	30 ab
5	V-10142 Day 7	0.1	LB A/A	33 ab	34 ab	36 a	33 ab	33 a-d	32 ab	33 abc	33 ab
6	V-10142 Day 14	0.1	LB A/A	31 ab	25 b-e	27 a	24 b	28 d	28 ab	27 cd	27 b
7	V-10142 Day 0	0.15	LB A/A	31 ab	33 abc	33 a	30 ab	32 a-d	31 ab	33 abc	33 ab
8	V-10142 Day 7	0.15	LB A/A	36 ab	36 ab	36 a	38 a	40 ab	38 a	40 a	38 a
9	V-10142 Day 14	0.15	LB A/A	32 ab	21 cde	27 a	31 ab	31 a-d	29 ab	28 bcd	28 ab
10	V-10142 Day 0	0.2	LB A/A	34 ab	36 ab	28 a	33 ab	30 bcd	28 ab	28 bcd	28 ab
11	V-10142 Day 7	0.2	LB A/A	32 ab	31 a-d	35 a	30 ab	38 abc	35 ab	34 abc	35 ab
12	V-10142 Day 14	0.2	LB A/A	31 ab	17 e	31 a	25 b	24 d	28 ab	25 d	15 c
13	Sandea Day 7	0.047	LB A/A	25 b	27 a-e	23 a	23 b	25 d	25 b	28 bcd	31 ab
14	Envoke Day 7	0.1	OZ/A	30 ab	20 de	30 a	29 ab	33 a-d	31 ab	34 abc	26 b
15	Non-treated Day 7			38 a	39 a	26 a	37 a	39 ab	35 ab	35 abc	37 ab
LSD (P=.05)				9.3	10.8	16.2	9.4	8.3	8.9	7.1	9.2
Standard Deviation				5.6	6.5	9.7	5.6	4.9	5.3	4.2	5.5
CV				17.48	22.09	32.57	18.3	15.27	17.1	13.51	17.99
Bartlett's X2				11.62	24.742	34.224	17.154	21.678	18.144	4.919	16.333
P(Bartlett's X2)				0.637	0.037*	0.002*	0.248	0.085	0.20	0.987	0.293

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

## University of Georgia

Weed Code	plant 10 CPSAN	plant 11 CPSAN	plant 12 CPSAN	plant 13 CPSAN	plant 14 CPSAN	plant 15 CPSAN	plant 16 CPSAN	plant 17 CPSAN			
Crop Code											
Part Rated											
Rating Data Type	ht/lt	ht/rt	ht/rt	ht/rt	ht/rt	ht/rt	ht/rt	ht/rt			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	May-04-06	May-04-06	May-04-06	May-04-06	May-04-06	May-04-06	May-04-06	May-04-06			
Assessed By											
Trt-Eval Interval	57 DA-A	57 DA-A	57 DA-A	57 DA-A	57 DA-A	57 DA-A	57 DA-A	57 DA-A			
ARM Action Codes											
Trt No.	Treatment Name	Rate	Unit	26	27	28	29	30	31	32	33
1	V-10142 Day 0	0.1	LB A/A	34 ab	32 ab	27 c	28 a	31 abc	29 a	32 abc	34 a
2	V-10142 Day 7	0.1	LB A/A	40 a	37 ab	32 abc	35 a	36 ab	33 a	32 abc	32 a
3	V-10142 Day 14	0.1	LB A/A	26 b	28 ab	27 c	26 a	29 abc	29 a	23 bc	19 a
4	V-10142 Day 0	0.1	LB A/A	28 ab	30 ab	34 abc	31 a	35 ab	28 a	28 abc	32 a
5	V-10142 Day 7	0.1	LB A/A	36 ab	30 ab	30 bc	28 a	34 abc	32 a	29 abc	31 a
6	V-10142 Day 14	0.1	LB A/A	26 b	28 ab	28 bc	28 a	27 bc	30 a	29 abc	26 a
7	V-10142 Day 0	0.15	LB A/A	34 ab	34 ab	31 abc	32 a	29 abc	26 a	31 abc	30 a
8	V-10142 Day 7	0.15	LB A/A	37 ab	36 ab	36 ab	33 a	32 abc	21 a	36 ab	34 a
9	V-10142 Day 14	0.15	LB A/A	29 ab	31 ab	29 bc	29 a	30 abc	29 a	31 abc	29 a
10	V-10142 Day 0	0.2	LB A/A	27 ab	31 ab	31 abc	21 a	29 abc	30 a	31 abc	21 a
11	V-10142 Day 7	0.2	LB A/A	32 ab	33 ab	34 abc	32 a	30 abc	28 a	20 c	31 a
12	V-10142 Day 14	0.2	LB A/A	26 b	25 b	32 abc	30 a	30 abc	27 a	27 abc	20 a
13	Sandea Day 7	0.047	LB A/A	27 ab	30 ab	26 c	24 a	23 c	24 a	35 abc	27 a
14	Envoke Day 7	0.1	OZ/A	30 ab	29 ab	26 c	25 a	31 abc	22 a	29 abc	34 a
15	Non-treated Day 7			36 ab	39 a	39 a	23 a	38 a	36 a	39 a	37 a
LSD (P=.05)				11.2	10.3	7.3	13.8	9.5	14.5	12.7	15.4
Standard Deviation				6.7	6.2	4.4	8.2	5.7	8.7	7.6	9.2
CV				21.47	19.59	14.29	29.06	18.53	30.78	25.17	31.6
Bartlett's X2				12.448	17.453	10.086	31.978	16.597	25.194	21.541	30.282
P(Bartlett's X2)				0.57	0.233	0.756	0.004*	0.278	0.033*	0.089	0.007*

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



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Weed Code	plant 18 CPSAN	plant 19 CPSAN	plant 20 CPSAN	Avg20pla CPSAN	plant 1 LYPES	plant 2 LYPES	plant 3 LYPES	plant 4 LYPES			
Crop Code											
Part Rated											
Rating Data Type	ht/rt	ht/rt	ht/rt	ht	ht	ht	ht	ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	May-04-06	May-04-06	May-04-06	May-04-06	Apr-04-06	Apr-04-06	Apr-04-06	Apr-04-06			
Assessed By											
Trt-Eval Interval	57 DA-A	57 DA-A	57 DA-A	58 DA-A	27 DA-A	27 DA-A	27 DA-A	27 DA-A			
ARM Action Codes				T35							
Trt No.	Treatment Name	Rate	Unit	34	35	36	37	38	39	40	41
1	V-10142 Day 0	0.1	LB A/A	33 ab	34 a	34 ab	31 abc	25 ab	23 a-d	26 a	24 abc
2	V-10142 Day 7	0.1	LB A/A	29 ab	29 ab	36 a	35 ab	21 cd	16 f	18 efg	21 cd
3	V-10142 Day 14	0.1	LB A/A	21 b	28 ab	27 ab	27 c	17 g	15 f	16 fg	14 f
4	V-10142 Day 0	0.1	LB A/A	32 ab	31 ab	29 ab	31 abc	25 ab	25 a	25 a	25 ab
5	V-10142 Day 7	0.1	LB A/A	32 ab	30 ab	33 ab	32 abc	21 cd	21 cd	21 bcd	21 cd
6	V-10142 Day 14	0.1	LB A/A	29 ab	28 ab	26 ab	28 bc	17 fg	15 f	15 g	14 f
7	V-10142 Day 0	0.15	LB A/A	33 ab	19 b	30 ab	31 abc	27 a	24 ab	25 ab	26 ab
8	V-10142 Day 7	0.15	LB A/A	36 a	36 a	38 a	36 a	21 cd	21 bcd	21 cde	21 cd
9	V-10142 Day 14	0.15	LB A/A	27 ab	29 ab	30 ab	29 abc	18 efg	17 ef	16 fg	16 ef
10	V-10142 Day 0	0.2	LB A/A	32 ab	31 ab	24 ab	30 abc	23 bc	24 ab	24 abc	27 a
11	V-10142 Day 7	0.2	LB A/A	27 ab	36 a	36 a	32 abc	19 d-g	22 a-d	19 def	20 cd
12	V-10142 Day 14	0.2	LB A/A	28 ab	24 ab	28 ab	26 c	17 fg	17 ef	16 fg	13 f
13	Sandea Day 7	0.047	LB A/A	27 ab	17 b	21 b	25 c	23 bc	20 de	21 cde	19 de
14	Envoke Day 7	0.1	OZ/A	31 ab	31 ab	29 ab	29 abc	21 cde	24 abc	21 bcd	22 bcd
15	Non-treated Day 7			35 a	34 a	37 a	36 a	20 c-f	23 a-d	25 ab	22 bcd
LSD (P=.05)				10.4	12.3	12.1	6.4	2.9	3.0	3.1	3.7
Standard Deviation				6.2	7.4	7.2	3.8	1.7	1.8	1.8	2.2
CV				20.69	25.24	23.65	12.56	8.13	8.72	8.94	10.74
Bartlett's X2				15.73	21.391	31.738	12.487	10.938	11.261	10.689	16.142
P(Bartlett's X2)				0.33	0.092	0.004*	0.567	0.616	0.665	0.637	0.185

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

Column 37: T35 = @AVG([17],[36])

## University of Georgia

Weed Code	plant 5 LYPES	plant 6 LYPES	plant 7 LYPES	Avg7pla LYPES	plant 1 LYPES	plant 2 LYPES	plant 3 LYPES	plant 4 LYPES			
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	Apr-04-06	Apr-04-06	Apr-04-06	Apr-04-06	May-04-06	May-04-06	May-04-06	May-04-06			
Assessed By											
Trt-Eval Interval	27 DA-A	27 DA-A	27 DA-A	27 DA-A	57 DA-A	57 DA-A	57 DA-A	57 DA-A			
ARM Action Codes				T2							
Trt No.	Treatment Name	Rate	Rate Unit	42	43	44	45	46	47	48	49
1	V-10142 Day 0	0.1	LB A/A	26 ab	24 ab	26 ab	25 a	73 a-d	74 a	70 abc	68 abc
2	V-10142 Day 7	0.1	LB A/A	20 de	20 a-d	21 cd	19 c	66 a-d	62 ab	63 c	66 bc
3	V-10142 Day 14	0.1	LB A/A	15 f	14 d	15 e	15 d	61 bcd	64 ab	63 c	66 bc
4	V-10142 Day 0	0.1	LB A/A	25 abc	26 ab	24 abc	25 a	78 abc	75 a	71 abc	72 ab
5	V-10142 Day 7	0.1	LB A/A	21 cd	21 abc	23 bc	21 bc	69 a-d	66 ab	66 bc	64 bc
6	V-10142 Day 14	0.1	LB A/A	17 ef	16 cd	17 de	16 d	68 a-d	61 ab	70 abc	67 abc
7	V-10142 Day 0	0.15	LB A/A	26 ab	25 ab	28 a	26 a	79 ab	81 a	75 a	73 ab
8	V-10142 Day 7	0.15	LB A/A	20 de	22 abc	24 abc	21 bc	70 a-d	70 a	68 abc	73 ab
9	V-10142 Day 14	0.15	LB A/A	17 ef	16 cd	17 de	17 d	69 a-d	45 b	65 bc	69 abc
10	V-10142 Day 0	0.2	LB A/A	27 a	26 a	28 a	26 a	79 a	80 a	73 ab	77 a
11	V-10142 Day 7	0.2	LB A/A	20 de	19 bcd	21 bcd	20 c	60 cd	70 a	71 abc	68 abc
12	V-10142 Day 14	0.2	LB A/A	17 ef	16 cd	17 de	16 d	69 a-d	66 ab	65 bc	59 c
13	Sandea Day 7	0.047	LB A/A	22 cd	20 a-d	22 bcd	21 bc	55 d	73 a	73 ab	69 abc
14	Envoke Day 7	0.1	OZ/A	22 bcd	17 cd	22 bc	21 bc	71 a-d	68 a	67 abc	65 bc
15	Non-treated Day 7			23 bcd	22 abc	23 bc	22 b	65 a-d	64 ab	65 bc	72 ab
LSD (P=.05)				3.4	5.7	4.2	2.0	15.3	18.5	7.3	9.0
Standard Deviation				2.0	3.4	2.5	1.2	9.2	11.1	4.3	5.4
CV				9.62	16.84	11.46	5.87	13.32	16.31	6.36	7.86
Bartlett's X2				10.715	24.212	11.405	16.566	36.984	37.912	13.032	11.538
P(Bartlett's X2)				0.708	0.043*	0.654	0.28	0.001*	0.001*	0.524	0.643

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

Column 45: T2 = @AVG([C38].[C44])

## University of Georgia

Weed Code	plant 5 LYPES	plant 6 LYPES	plant 7 LYPES	Avg7plan LYPES	harv 1 CPSAN	harv 1 CPSAN	harv 2 CPSAN	harv 2 CPSAN			
Crop Code											
Part Rated											
Rating Data Type	ht	ht	ht	ht	#/plot	wt/lb	#/plot	wt/lb			
Rating Unit	cm	cm	cm	cm	fruit	fruit	fruit	fruit			
Rating Date	May-04-06	May-04-06	May-04-06	May-04-06	May-25-06	May-25-06	Jun-02-06	Jun-02-06			
Assessed By											
Trt-Eval Interval	57 DA-A	57 DA-A	57 DA-A	57 DA-A	78 DA-A	78 DA-A	86 DA-A	86 DA-A			
ARM Action Codes				T3							
Trt No.	Treatment Name	Rate	Unit	50	51	52	53	54	55	56	57
1	V-10142 Day 0	0.1	LB A/A	69 bc	70 a	70 a	71 a-d	2 b	1 b	23 b	9 bc
2	V-10142 Day 7	0.1	LB A/A	69 bc	64 ab	63 ab	65 cd	6 a	2 a	29 ab	11 abc
3	V-10142 Day 14	0.1	LB A/A	66 c	61 ab	71 a	65 cd	4 ab	1 b	30 ab	12 abc
4	V-10142 Day 0	0.1	LB A/A	70 bc	69 ab	66 ab	71 abc	4 ab	1 ab	30 ab	11 abc
5	V-10142 Day 7	0.1	LB A/A	68 bc	68 ab	62 ab	66 cd	4 ab	1 ab	36 ab	14 ab
6	V-10142 Day 14	0.1	LB A/A	67 c	68 ab	65 ab	67 cd	4 ab	1 ab	31 ab	13 abc
7	V-10142 Day 0	0.15	LB A/A	75 ab	72 a	73 a	76 ab	2 b	1 b	41 a	16 a
8	V-10142 Day 7	0.15	LB A/A	75 ab	68 ab	76 a	71 abc	3 ab	1 b	28 ab	11 abc
9	V-10142 Day 14	0.15	LB A/A	67 c	65 ab	58 ab	63 d	2 b	1 b	34 ab	13 abc
10	V-10142 Day 0	0.2	LB A/A	80 a	77 a	77 a	78 a	2 b	1 b	34 ab	13 abc
11	V-10142 Day 7	0.2	LB A/A	64 c	62 ab	65 ab	66 cd	1 b	0 b	30 ab	11 abc
12	V-10142 Day 14	0.2	LB A/A	65 c	67 ab	45 b	62 d	2 b	1 b	26 ab	8 c
13	Sandea Day 7	0.047	LB A/A	68 bc	71 a	67 a	68 bcd	1 b	1 b	27 ab	10 abc
14	Envoke Day 7	0.1	OZ/A	66 c	47 b	69 a	65 cd	2 b	1 b	36 ab	14 ab
15	Non-treated Day 7			67 c	67 ab	71 a	67 cd	2 b	1 b	32 ab	12 abc
LSD (P=.05)				6.8	19.3	19.1	7.2	2.6	1.1	14.4	5.0
Standard Deviation				4.1	11.6	11.4	4.3	1.6	0.6	8.6	3.0
CV				5.89	17.42	17.12	6.35	58.16	69.86	27.62	25.24
Bartlett's X2				11.564	44.649	40.781	15.895	10.904	19.416	16.597	14.748
P(Bartlett's X2)				0.641	0.001*	0.001*	0.32	0.619	0.15	0.278	0.396

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

Column 53: T3 = @AVG([C46].[C52])

## University of Georgia

Weed Code	harv 3 CPSAN	harv 3 CPSAN	harv 4 CPSAN	harv 4 CPSAN	harv 5 CPSAN	harv 5 CPSAN	harv 1&2 CPSAN	harv 1&2 CPSAN			
Crop Code											
Part Rated											
Rating Data Type	#/plot	wt/lb	#/plot	wt/lb	#/plot	wt/lb	#/plot	wt/lb			
Rating Unit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit			
Rating Date	Jun-09-06	Jun-09-06	Jun-14-06	Jun-14-06	Jun-19-06	Jun-19-06	Aug-10-06	Aug-10-06			
Assessed By											
Trt-Eval Interval	93 DA-A	93 DA-A	98 DA-A	98 DA-A	103 DA-A	103 DA-A					
ARM Action Codes							T4	T5			
Trt No.	Treatment Name	Rate	Rate Unit	58	59	60	61	62	63	64	65
1	V-10142 Day 0	0.1	LB A/A	30 a	12 b	29 ab	12 ab	10 ab	6 a	25 b	9 bc
2	V-10142 Day 7	0.1	LB A/A	36 a	14 ab	34 ab	13 ab	14 ab	5 a	35 ab	14 abc
3	V-10142 Day 14	0.1	LB A/A	37 a	16 ab	22 ab	9 ab	20 ab	7 a	33 ab	13 abc
4	V-10142 Day 0	0.1	LB A/A	42 a	18 a	31 ab	12 ab	20 ab	8 a	34 ab	13 abc
5	V-10142 Day 7	0.1	LB A/A	37 a	14 ab	27 ab	10 ab	11 ab	5 a	40 ab	16 a
6	V-10142 Day 14	0.1	LB A/A	38 a	15 ab	28 ab	11 ab	16 ab	6 a	35 ab	14 abc
7	V-10142 Day 0	0.15	LB A/A	37 a	15 ab	26 ab	10 ab	19 ab	8 a	42 a	16 a
8	V-10142 Day 7	0.15	LB A/A	37 a	14 ab	26 ab	10 ab	24 a	9 a	31 ab	12 abc
9	V-10142 Day 14	0.15	LB A/A	35 a	14 ab	35 a	14 a	23 ab	9 a	36 ab	14 abc
10	V-10142 Day 0	0.2	LB A/A	38 a	15 ab	27 ab	11 ab	15 ab	6 a	37 ab	14 abc
11	V-10142 Day 7	0.2	LB A/A	33 a	14 ab	20 b	8 b	19 ab	7 a	31 ab	11 abc
12	V-10142 Day 14	0.2	LB A/A	30 a	13 ab	27 ab	11 ab	21 ab	8 a	28 ab	8 c
13	Sandea Day 7	0.047	LB A/A	33 a	13 ab	20 b	8 b	13 ab	5 a	28 ab	10 abc
14	Envoke Day 7	0.1	OZ/A	42 a	17 ab	23 ab	9 ab	14 ab	5 a	38 ab	15 ab
15	Non-treated Day 7			34 a	13 ab	20 b	8 b	9 b	3 a	34 ab	13 abc
LSD (P=.05)				11.7	5.0	12.0	4.9	12.3	4.9	14.2	5.1
Standard Deviation				7.0	3.0	7.2	2.9	7.3	2.9	8.5	3.1
CV				19.41	20.41	27.24	27.68	44.71	45.13	25.05	23.83
Bartlett's X2				9.036	11.157	21.889	17.77	8.383	11.469	13.259	13.117
P(Bartlett's X2)				0.829	0.674	0.081	0.217	0.868	0.649	0.506	0.517

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

Column 64: T4 = ((C54)+[C56])

Column 65: T5 = ((C55)+[C57])

# University of Georgia

Weed Code	harv1-5 CPSAN	harv1-5 CPSAN	harv1-5 CPSAN	jumbo LYPES	jumbo LYPES	large LYPES	large LYPES	medium LYPES			
Crop Code											
Part Rated			avg								
Rating Data Type	#/plot	wt/lb	fruit size	#	wt/lb	#	wt/lb	#			
Rating Unit	fruit	fruit	lb	fruit	fruit	fruit	fruit	fruit			
Rating Date	Aug-10-06	Aug-10-06	Aug-10-06	May-23-06	May-23-06	May-23-06	May-23-06	May-23-06			
Assessed By											
Trt-Eval Interval				76 DA-A	76 DA-A	76 DA-A	76 DA-A	76 DA-A			
ARM Action Codes	T6	T7	T8								
Trt No.	Treatment Name	Rate	Rate Unit	66	67	68	69	70	71	72	73
1	V-10142 Day 0	0.1	LB A/A	94 a	38 a	4 d	1 ab	1 ab	0 a	0 a	0 a
2	V-10142 Day 7	0.1	LB A/A	119 a	46 a	6 a-d	0 b	0 b	0 a	0 a	0 a
3	V-10142 Day 14	0.1	LB A/A	112 a	45 a	7 a	0 ab	0 ab	0 a	0 a	0 a
4	V-10142 Day 0	0.1	LB A/A	127 a	51 a	5 a-d	2 a	1 a	0 a	0 a	0 a
5	V-10142 Day 7	0.1	LB A/A	116 a	45 a	5 bcd	0 ab	0 ab	0 a	0 a	0 a
6	V-10142 Day 14	0.1	LB A/A	117 a	48 a	7 ab	1 ab	0 ab	1 a	0 a	0 a
7	V-10142 Day 0	0.15	LB A/A	123 a	49 a	4 cd	1 ab	1 ab	1 a	0 a	0 a
8	V-10142 Day 7	0.15	LB A/A	118 a	45 a	5 bcd	1 ab	1 ab	0 a	0 a	0 a
9	V-10142 Day 14	0.15	LB A/A	129 a	50 a	8 a	2 a	1 a	1 a	0 a	0 a
10	V-10142 Day 0	0.2	LB A/A	117 a	46 a	4 d	2 a	1 a	1 a	0 a	0 a
11	V-10142 Day 7	0.2	LB A/A	104 a	40 a	5 bcd	1 ab	1 ab	0 a	0 a	0 a
12	V-10142 Day 14	0.2	LB A/A	106 a	40 a	6 abc	1 ab	1 ab	0 a	0 a	0 a
13	Sandea Day 7	0.047	LB A/A	95 a	37 a	4 cd	0 b	0 b	1 a	0 a	0 a
14	Envoke Day 7	0.1	OZ/A	116 a	46 a	5 bcd	0 ab	0 ab	0 a	0 a	0 a
15	Non-treated Day 7			97 a	38 a	4 d	1 ab	1 ab	1 a	0 a	0 a
LSD (P=.05)				29.5	11.8	1.8	1.8	0.9	1.6	0.6	0.7
Standard Deviation				17.6	7.0	1.1	1.1	0.5	0.9	0.3	0.4
CV				15.64	15.89	20.32	101.33	102.38	170.61	171.27	253.55
Bartlett's X2				11.14	5.325	27.055	7.874	20.86	9.045	17.538	0.0
P(Bartlett's X2)				0.675	0.981	0.019*	0.725	0.052	0.433	0.063	1.00

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

Column 66: T6 = ([C54]+[C56]+[C58]+[C60]+[C62])

Column 67: T7 = ([C55]+[C57]+[C59]+[C61]+[C63])

Column 68: T8 = ([C66]/[C44])

## University of Georgia

Weed Code	medium LYPES	small LYPES	small LYPES	exsmall LYPES	exsmall LYPES	cull LYPES	cull LYPES	jumbo LYPES			
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			
Rating Date	May-23-06	May-23-06	May-23-06	May-23-06	May-23-06	May-23-06	May-23-06	May-26-06			
Assessed By											
Trt-Eval Interval	76 DA-A	76 DA-A	76 DA-A	76 DA-A	76 DA-A	76 DA-A	76 DA-A	79 DA-A			
ARM Action Codes											
Trt No.	Treatment Name	Rate	Unit	74	75	76	77	78	79	80	81
1	V-10142 Day 0	0.1	LB A/A	0 a	0 b	0 b	0 a	0 a	1 ab	0 ab	1 b
2	V-10142 Day 7	0.1	LB A/A	0 a	0 b	0 b	0 a	0 b	1 ab	0 ab	1 b
3	V-10142 Day 14	0.1	LB A/A	0 a	0 b	0 b	0 a	0 b	1 ab	0 ab	0 b
4	V-10142 Day 0	0.1	LB A/A	0 a	0 b	0 b	0 a	0 b	1 ab	1 ab	0 b
5	V-10142 Day 7	0.1	LB A/A	0 a	0 b	0 b	1 a	0 b	1 ab	0 ab	1 b
6	V-10142 Day 14	0.1	LB A/A	0 a	0 ab	0 ab	0 a	0 b	0 b	0 b	0 b
7	V-10142 Day 0	0.15	LB A/A	0 a	0 b	0 b	1 a	0 b	1 ab	0 ab	1 b
8	V-10142 Day 7	0.15	LB A/A	0 a	0 b	0 b	0 a	0 b	0 ab	0 ab	0 b
9	V-10142 Day 14	0.15	LB A/A	0 a	0 b	0 b	0 a	0 b	0 ab	0 ab	1 b
10	V-10142 Day 0	0.2	LB A/A	0 a	0 b	0 b	0 a	0 b	0 ab	0 ab	3 a
11	V-10142 Day 7	0.2	LB A/A	0 a	0 ab	0 ab	0 a	0 b	1 ab	0 ab	1 b
12	V-10142 Day 14	0.2	LB A/A	0 a	0 b	0 b	0 a	0 b	0 b	0 b	0 b
13	Sandea Day 7	0.047	LB A/A	0 a	1 a	0 a	0 a	0 b	2 a	1 a	1 b
14	Envoke Day 7	0.1	OZ/A	0 a	0 b	0 b	0 a	0 b	1 ab	0 ab	0 b
15	Non-treated Day 7			0 a	0 b	0 b	0 a	0 b	0 b	0 b	0 b
LSD (P=.05)				0.2	0.4	0.1	0.7	0.0	1.3	0.5	1.6
Standard Deviation				0.1	0.3	0.1	0.4	0.0	0.8	0.3	1.0
CV				259.14	297.31	293.77	396.05	670.82	118.92	128.25	134.07
Bartlett's X2				0.534	0.0	0.034	1.016	0.0	4.35	12.478	8.3
P(Bartlett's X2)				0.997	0.001*	0.983	0.602	.	0.93	0.329	0.761

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

## University of Georgia

Weed Code	jumbo LYPES	large LYPES	large LYPES	medium LYPES	medium LYPES	small LYPES	small LYPES	exsmall LYPES			
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			
Rating Date	May-26-06	May-26-06	May-26-06	May-26-06	May-26-06	May-26-06	May-26-06	May-26-06			
Assessed By											
Trt-Eval Interval	79 DA-A	79 DA-A	79 DA-A	79 DA-A	79 DA-A	79 DA-A	79 DA-A	79 DA-A			
ARM Action Codes											
Trt No.	Treatment Name	Rate	Unit	82	83	84	85	86	87	88	89
1	V-10142 Day 0	0.1	LB A/A	0 ab	1 a	0 a	0 a	0 a	0 a	0 a	0 b
2	V-10142 Day 7	0.1	LB A/A	0 ab	0 a	0 a	0 a	0 a	0 a	0 a	0 b
3	V-10142 Day 14	0.1	LB A/A	0 b	0 a	0 a	0 a	0 a	0 a	0 a	0 b
4	V-10142 Day 0	0.1	LB A/A	0 b	0 a	0 a	0 a	0 a	0 a	0 a	0 a
5	V-10142 Day 7	0.1	LB A/A	0 ab	0 a	0 a	0 a	0 a	0 a	0 a	0 b
6	V-10142 Day 14	0.1	LB A/A	0 b	0 a	0 a	0 a	0 a	0 a	0 a	0 b
7	V-10142 Day 0	0.15	LB A/A	0 b	0 a	0 a	0 a	0 a	0 a	0 a	0 b
8	V-10142 Day 7	0.15	LB A/A	0 b	1 a	0 a	0 a	0 a	0 a	0 a	0 b
9	V-10142 Day 14	0.15	LB A/A	2 a	0 a	0 a	0 a	0 a	0 a	0 a	0 b
10	V-10142 Day 0	0.2	LB A/A	1 ab	0 a	0 a	0 a	0 a	0 a	0 a	0 b
11	V-10142 Day 7	0.2	LB A/A	0 ab	0 a	0 a	0 a	0 a	0 a	0 a	0 b
12	V-10142 Day 14	0.2	LB A/A	1 ab	0 a	0 a	0 a	0 a	0 a	0 a	0 b
13	Sandea Day 7	0.047	LB A/A	1 ab	0 a	0 a	0 a	0 a	0 a	0 a	0 b
14	Envoke Day 7	0.1	OZ/A	0 b	0 a	0 a	0 a	0 a	0 a	0 a	0 b
15	Non-treated Day 7			0 b	0 a	0 a	0 a	0 a	0 a	0 a	0 b
LSD (P=.05)				1.1	0.9	0.3	0.4	0.1	0.0	0.0	0.2
Standard Deviation				0.7	0.5	0.2	0.3	0.1	0.0	0.0	0.1
CV				175.3	191.91	191.6	387.3	391.51	0.0	0.0	670.82
Bartlett's X2				21.619	1.288	1.484	0.0	0.194	0.0	0.0	0.0
P(Bartlett's X2)				0.042*	0.996	0.993	0.001*	0.908	.	.	.

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

# University of Georgia

Weed Code	exsmall LYPES	cull LYPES	cull LYPES	jumbo LYPES	jumbo LYPES	large LYPES	large LYPES	medium LYPES			
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			
Rating Date	May-26-06	May-26-06	May-26-06	Jun-01-06	Jun-01-06	Jun-01-06	Jun-01-06	Jun-01-06			
Assessed By											
Trt-Eval Interval	79 DA-A	79 DA-A	79 DA-A	85 DA-A	85 DA-A	85 DA-A	85 DA-A	85 DA-A			
ARM Action Codes											
Trt No.	Treatment Name	Rate	Rate Unit	90	91	92	93	94	95	96	97
1	V-10142 Day 0	0.1	LB A/A	0 b	0 a	0 a	3 ab	2 abc	1 a	0 a	1 ab
2	V-10142 Day 7	0.1	LB A/A	0 b	0 a	0 a	2 abc	1 a-d	1 a	0 a	2 ab
3	V-10142 Day 14	0.1	LB A/A	0 b	1 a	0 a	1 bc	0 cd	0 a	0 a	1 ab
4	V-10142 Day 0	0.1	LB A/A	0 a	1 a	0 a	3 abc	1 a-d	1 a	0 a	1 ab
5	V-10142 Day 7	0.1	LB A/A	0 b	0 a	0 a	1 bc	1 bcd	1 a	0 a	0 b
6	V-10142 Day 14	0.1	LB A/A	0 b	1 a	0 a	1 abc	1 bcd	2 a	0 a	0 b
7	V-10142 Day 0	0.15	LB A/A	0 b	1 a	0 a	4 a	2 abc	2 a	1 a	1 ab
8	V-10142 Day 7	0.15	LB A/A	0 b	0 a	0 a	3 abc	1 a-d	0 a	0 a	1 ab
9	V-10142 Day 14	0.15	LB A/A	0 b	0 a	0 a	1 bc	1 bcd	1 a	0 a	1 ab
10	V-10142 Day 0	0.2	LB A/A	0 b	1 a	0 a	4 a	2 abc	1 a	0 a	2 ab
11	V-10142 Day 7	0.2	LB A/A	0 b	0 a	0 a	2 abc	1 a-d	1 a	0 a	1 ab
12	V-10142 Day 14	0.2	LB A/A	0 b	1 a	0 a	0 c	0 d	0 a	0 a	0 ab
13	Sandea Day 7	0.047	LB A/A	0 b	0 a	0 a	4 ab	2 ab	2 a	0 a	1 ab
14	Envoke Day 7	0.1	OZ/A	0 b	1 a	0 a	4 a	2 a	2 a	1 a	0 ab
15	Non-treated Day 7			0 b	0 a	0 a	3 abc	2 a-d	1 a	0 a	2 a
LSD (P=.05)				0.0	1.1	0.4	2.5	1.5	2.1	0.7	1.8
Standard Deviation				0.0	0.7	0.3	1.5	0.9	1.2	0.4	1.1
CV				670.82	140.21	168.29	62.83	67.3	113.48	124.09	114.06
Bartlett's X2				0.0	4.974	17.713	19.596	38.371	15.311	17.224	9.856
P(Bartlett's X2)				.	0.837	0.06	0.106	0.001*	0.357	0.244	0.629

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



## University of Georgia

Weed Code	medium LYPES	small LYPES	small LYPES	exsmall LYPES	exsmall LYPES	cull LYPES	cull LYPES	jumbo LYPES			
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			
Rating Date	Jun-01-06	Jun-01-06	Jun-01-06	Jun-01-06	Jun-01-06	Jun-01-06	Jun-01-06	Jun-08-06			
Assessed By											
Trt-Eval Interval	85 DA-A	85 DA-A	85 DA-A	85 DA-A	85 DA-A	85 DA-A	85 DA-A	92 DA-A			
ARM Action Codes											
Trt No.	Treatment Name	Rate	Rate Unit	98	99	100	101	102	103	104	105
1	V-10142 Day 0	0.1	LB A/A	0 abc	0 b	0 c	0 a	0 a	0 a	0 a	38 ab
2	V-10142 Day 7	0.1	LB A/A	1 ab	0 b	0 bc	1 a	0 a	1 a	0 a	31 abc
3	V-10142 Day 14	0.1	LB A/A	0 abc	0 b	0 c	1 a	0 a	0 a	0 a	23 c
4	V-10142 Day 0	0.1	LB A/A	0 abc	0 b	0 bc	1 a	0 a	0 a	0 a	38 a
5	V-10142 Day 7	0.1	LB A/A	0 c	0 b	0 c	0 a	0 a	1 a	0 a	34 abc
6	V-10142 Day 14	0.1	LB A/A	0 c	0 b	0 c	0 a	0 a	0 a	0 a	24 bc
7	V-10142 Day 0	0.15	LB A/A	0 abc	1 a	0 ab	1 a	0 a	0 a	0 a	30 abc
8	V-10142 Day 7	0.15	LB A/A	0 abc	1 a	0 a	1 a	0 a	1 a	0 a	30 abc
9	V-10142 Day 14	0.15	LB A/A	0 abc	0 b	0 c	1 a	0 a	0 a	0 a	27 abc
10	V-10142 Day 0	0.2	LB A/A	1 a	0 b	0 bc	0 a	0 a	1 a	1 a	35 abc
11	V-10142 Day 7	0.2	LB A/A	0 abc	1 ab	0 bc	1 a	0 a	1 a	1 a	31 abc
12	V-10142 Day 14	0.2	LB A/A	0 bc	0 b	0 c	0 a	0 a	0 a	0 a	25 abc
13	Sandea Day 7	0.047	LB A/A	0 abc	0 b	0 c	0 a	0 a	0 a	0 a	30 abc
14	Envoke Day 7	0.1	OZ/A	0 abc	1 ab	0 bc	0 a	0 a	1 a	1 a	30 abc
15	Non-treated Day 7			1 ab	0 b	0 c	0 a	0 a	0 a	0 a	31 abc
LSD (P=.05)				0.4	0.8	0.1	1.5	0.2	1.5	0.7	11.6
Standard Deviation				0.2	0.5	0.1	0.9	0.1	0.9	0.4	7.0
CV				112.38	135.75	147.45	177.41	169.61	156.95	187.75	22.84
Bartlett's X2				8.546	2.064	2.289	7.632	6.402	7.442	15.152	16.429
P(Bartlett's X2)				0.741	0.914	0.891	0.47	0.602	0.827	0.233	0.288

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

## University of Georgia

Weed Code	jumbo LYPES	large LYPES	large LYPES	medium LYPES	medium LYPES	small LYPES	small LYPES	exsmall LYPES			
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			
Rating Date	Jun-08-06	Jun-08-06	Jun-08-06	Jun-08-06	Jun-08-06	Jun-08-06	Jun-08-06	Jun-08-06			
Assessed By											
Trt-Eval Interval	92 DA-A	92 DA-A	92 DA-A	92 DA-A	92 DA-A	92 DA-A	92 DA-A	92 DA-A			
ARM Action Codes											
Trt No.	Treatment Name	Rate	Unit	106	107	108	109	110	111	112	113
1	V-10142 Day 0	0.1	LB A/A	22 a	13 a	5 a	8 b	2 b	5 ab	1 ab	14 a
2	V-10142 Day 7	0.1	LB A/A	17 a-d	15 a	5 a	16 ab	4 ab	6 ab	1 ab	20 a
3	V-10142 Day 14	0.1	LB A/A	12 cd	15 a	5 a	21 ab	5 a	5 ab	1 ab	13 a
4	V-10142 Day 0	0.1	LB A/A	21 ab	19 a	7 a	13 ab	3 ab	6 ab	1 ab	12 a
5	V-10142 Day 7	0.1	LB A/A	18 a-d	19 a	7 a	26 a	6 a	10 ab	2 ab	19 a
6	V-10142 Day 14	0.1	LB A/A	11 d	22 a	7 a	18 ab	4 ab	9 ab	2 ab	16 a
7	V-10142 Day 0	0.15	LB A/A	16 a-d	21 a	7 a	16 ab	4 ab	8 ab	1 ab	17 a
8	V-10142 Day 7	0.15	LB A/A	16 a-d	19 a	6 a	19 ab	5 ab	7 ab	1 ab	17 a
9	V-10142 Day 14	0.15	LB A/A	15 a-d	18 a	6 a	18 ab	4 ab	11 a	2 a	15 a
10	V-10142 Day 0	0.2	LB A/A	19 abc	12 a	4 a	18 ab	4 ab	4 b	1 b	12 a
11	V-10142 Day 7	0.2	LB A/A	17 a-d	21 a	7 a	21 ab	5 a	8 ab	2 ab	16 a
12	V-10142 Day 14	0.2	LB A/A	14 bcd	16 a	6 a	21 ab	5 a	7 ab	1 ab	12 a
13	Sandea Day 7	0.047	LB A/A	16 a-d	17 a	6 a	22 a	6 a	7 ab	1 ab	18 a
14	Envoke Day 7	0.1	OZ/A	17 a-d	16 a	6 a	18 ab	4 ab	11 a	2 a	16 a
15	Non-treated Day 7			17 a-d	17 a	6 a	22 a	5 a	11 a	2 a	22 a
LSD (P=.05)				6.4	9.4	3.0	11.2	2.4	5.6	1.1	11.0
Standard Deviation				3.9	5.6	1.8	6.7	1.4	3.3	0.6	6.6
CV				23.42	32.12	29.65	36.58	32.09	43.32	43.84	41.42
Bartlett's X2				11.699	19.038	20.55	16.349	14.299	4.512	6.88	3.791
P(Bartlett's X2)				0.631	0.163	0.114	0.293	0.428	0.992	0.939	0.997

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

## University of Georgia

Weed Code	exsmall LYPES	cull LYPES	cull LYPES	jumbo LYPES	jumbo LYPES	large LYPES	large LYPES	medium LYPES
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
Rating Date	Jun-08-06	Jun-08-06	Jun-08-06	Jun-15-06	Jun-15-06	Jun-15-06	Jun-15-06	Jun-15-06
Assessed By								
Trt-Eval Interval	92 DA-A	92 DA-A	92 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A
ARM Action Codes								
Trt Treatment								
No. Name Rate Unit	114	115	116	117	118	119	120	121
1 V-10142 0.1 LB A/A Day 0	2 a	8 abc	3 a-d	44 ab	24 ab	19 a	5 a	8 a
2 V-10142 0.1 LB A/A Day 7	2 a	6 abc	2 bcd	33 a-d	18 a-d	10 ab	3 a	4 a
3 V-10142 0.1 LB A/A Day 14	2 a	4 bc	1 d	15 e	9 e	6 b	2 a	3 a
4 V-10142 0.1 LB A/A Day 0	2 a	6 abc	2 a-d	45 a	25 ab	15 ab	6 a	5 a
5 V-10142 0.1 LB A/A Day 7	2 a	7 abc	3 a-d	29 b-e	15 cde	10 ab	4 a	4 a
6 V-10142 0.1 LB A/A Day 14	2 a	5 abc	2 bcd	20 de	11 de	4 b	1 a	1 a
7 V-10142 0.15 LB A/A Day 0	2 a	11 a	4 a	39 ab	22 abc	15 ab	6 a	7 a
8 V-10142 0.15 LB A/A Day 7	1 a	9 abc	3 a-d	38 ab	22 abc	13 ab	5 a	3 a
9 V-10142 0.15 LB A/A Day 14	2 a	3 c	1 d	21 cde	12 de	8 b	3 a	2 a
10 V-10142 0.2 LB A/A Day 0	2 a	10 ab	4 ab	47 a	26 a	15 ab	5 a	4 a
11 V-10142 0.2 LB A/A Day 7	2 a	7 abc	2 a-d	31 a-d	17 bcd	13 ab	5 a	5 a
12 V-10142 0.2 LB A/A Day 14	1 a	7 abc	1 cd	15 e	8 e	8 ab	3 a	2 a
13 Sandea 0.047 LB A/A Day 7	2 a	10 abc	4 ab	41 ab	24 ab	15 ab	5 a	7 a
14 Envoke 0.1 OZ/A Day 7	2 a	5 abc	2 bcd	35 abc	21 abc	14 ab	5 a	6 a
15 Non-treated Day 7	3 a	9 abc	3 abc	40 ab	23 abc	10 ab	4 a	1 a
LSD (P=.05)	1.5	6.2	2.0	13.4	7.2	9.3	3.8	5.7
Standard Deviation	0.9	3.7	1.2	8.0	4.3	5.6	2.2	3.4
CV	46.52	52.13	52.91	24.48	23.41	47.99	54.25	82.28
Bartlett's X2	3.933	7.205	19.945	20.568	12.318	11.238	10.77	19.867
P(Bartlett's X2)	0.996	0.891	0.132	0.113	0.581	0.667	0.704	0.134

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

# University of Georgia

Weed Code	medium LYPES	small LYPES	small LYPES	exsmall LYPES	exsmall LYPES	cull LYPES	cull LYPES	jumbo LYPES			
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			
Rating Date	Jun-15-06	Jun-15-06	Jun-15-06	Jun-15-06	Jun-15-06	Jun-15-06	Jun-15-06	Jun-20-06			
Assessed By											
Trt-Eval Interval	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	104 DA-A			
ARM Action Codes											
Trt No.	Treatment Name	Rate	Unit	122	123	124	125	126	127	128	129
1	V-10142 Day 0	0.1	LB A/A	3 a	2 a	0 a	3 a	0 a	11 a	3 a	44 b
2	V-10142 Day 7	0.1	LB A/A	1 ab	2 a	0 a	2 a	0 a	10 a	3 a	48 b
3	V-10142 Day 14	0.1	LB A/A	1 ab	1 a	0 a	3 a	0 a	3 a	1 a	81 a
4	V-10142 Day 0	0.1	LB A/A	1 ab	2 a	1 a	2 a	0 a	6 a	2 a	58 ab
5	V-10142 Day 7	0.1	LB A/A	1 ab	2 a	0 a	5 a	1 a	3 a	1 a	60 ab
6	V-10142 Day 14	0.1	LB A/A	0 b	1 a	0 a	3 a	0 a	5 a	2 a	68 ab
7	V-10142 Day 0	0.15	LB A/A	2 ab	2 a	0 a	4 a	1 a	7 a	2 a	64 ab
8	V-10142 Day 7	0.15	LB A/A	1 ab	2 a	0 a	5 a	1 a	5 a	2 a	70 ab
9	V-10142 Day 14	0.15	LB A/A	1 b	1 a	0 a	3 a	0 a	5 a	2 a	62 ab
10	V-10142 Day 0	0.2	LB A/A	1 ab	1 a	0 a	2 a	0 a	6 a	2 a	64 ab
11	V-10142 Day 7	0.2	LB A/A	1 ab	2 a	1 a	3 a	0 a	7 a	2 a	76 a
12	V-10142 Day 14	0.2	LB A/A	1 b	0 a	0 a	2 a	0 a	3 a	1 a	71 ab
13	Sandea Day 7	0.047	LB A/A	2 ab	3 a	1 a	5 a	1 a	5 a	1 a	64 ab
14	Envoke Day 7	0.1	OZ/A	2 ab	2 a	0 a	3 a	0 a	3 a	1 a	54 ab
15	Non-treated Day 7			0 b	3 a	1 a	3 a	0 a	8 a	3 a	66 ab
LSD (P=.05)				1.9	2.8	0.6	3.8	0.5	7.7	2.4	22.9
Standard Deviation				1.1	1.7	0.4	2.3	0.3	4.6	1.5	13.7
CV				90.56	98.63	98.98	69.84	69.85	79.43	77.53	21.58
Bartlett's X2				31.1	15.893	28.409	7.262	11.974	13.771	18.769	20.043
P(Bartlett's X2)				0.005*	0.196	0.013*	0.924	0.608	0.467	0.174	0.129

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

## University of Georgia

Weed Code		jumbo	large	large	medium	medium	small	small	exsmall		
Crop Code		LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES		
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-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		104 DA-A	104 DA-A	104 DA-A	104 DA-A	104 DA-A	104 DA-A	104 DA-A	104 DA-A		
Trt-Eval Interval		104 DA-A	104 DA-A	104 DA-A	104 DA-A	104 DA-A	104 DA-A	104 DA-A	104 DA-A		
ARM Action Codes											
Trt No.	Treatment Name	Rate	Rate Unit	130	131	132	133	134	135	136	137
1	V-10142 Day 0	0.1	LB A/A	22 b	24 e	8 e	21 ab	5 ab	7 ab	1 ab	34 a
2	V-10142 Day 7	0.1	LB A/A	25 ab	42 a-e	14 a-e	26 ab	6 ab	4 b	1 b	38 a
3	V-10142 Day 14	0.1	LB A/A	39 a	55 abc	20 a	28 ab	6 ab	11 ab	2 ab	37 a
4	V-10142 Day 0	0.1	LB A/A	29 ab	35 b-e	11 cde	27 ab	7 ab	8 ab	2 ab	34 a
5	V-10142 Day 7	0.1	LB A/A	30 ab	44 a-e	15 a-e	33 a	8 ab	8 ab	1 ab	50 a
6	V-10142 Day 14	0.1	LB A/A	36 ab	44 a-e	15 a-e	29 ab	8 ab	7 ab	1 ab	31 a
7	V-10142 Day 0	0.15	LB A/A	33 ab	34 cde	12 cde	24 ab	6 ab	6 ab	1 ab	46 a
8	V-10142 Day 7	0.15	LB A/A	37 a	51 a-d	16 a-d	23 ab	6 ab	9 ab	2 ab	53 a
9	V-10142 Day 14	0.15	LB A/A	32 ab	60 a	19 ab	31 ab	8 ab	13 ab	3 a	54 a
10	V-10142 Day 0	0.2	LB A/A	33 ab	36 b-e	12 cde	19 ab	5 ab	6 ab	1 ab	42 a
11	V-10142 Day 7	0.2	LB A/A	36 ab	52 abc	18 abc	25 ab	6 ab	11 ab	2 ab	31 a
12	V-10142 Day 14	0.2	LB A/A	37 ab	55 ab	19 ab	33 a	8 a	7 ab	1 ab	50 a
13	Sandea Day 7	0.047	LB A/A	32 ab	31 de	10 de	19 ab	4 ab	14 a	2 ab	33 a
14	Envoke Day 7	0.1	OZ/A	27 ab	28 e	9 de	16 b	4 b	8 ab	1 ab	64 a
15	Non-treated Day 7			33 ab	39 b-e	13 b-e	24 ab	6 ab	4 b	1 b	54 a
LSD (P=.05)				12.2	17.8	6.0	14.3	3.8	7.4	1.4	32.0
Standard Deviation				7.3	10.7	3.6	8.6	2.3	4.4	0.8	19.1
CV				22.77	25.44	25.34	33.96	37.2	53.9	58.09	44.07
Bartlett's X2				17.574	22.357	22.167	14.293	13.649	27.561	22.054	11.264
P(Bartlett's X2)				0.227	0.072	0.075	0.428	0.476	0.016*	0.078	0.665

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

# University of Georgia

Weed Code	exsmall LYPES	cull LYPES	cull LYPES	harv1&2 LYPES	harv1&2 LYPES	harv 1&2 LYPES	harv1&2 LYPES	harv1&2 LYPES			
Crop Code											
Part Rated											
Rating Data Type	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb	#			
Rating Unit	fruit	fruit	fruit	jumbo	jumbo	large	large	medium			
Rating Date	Jun-20-06	Jun-20-06	Jun-20-06	Aug-10-06	Aug-10-06	Aug-10-06	Aug-10-06	Aug-10-06			
Assessed By											
Trt-Eval Interval	104 DA-A	104 DA-A	104 DA-A								
ARM Action Codes				T9	T10	T11	T12	T13			
Trt No.	Treatment Name	Rate	Rate Unit	138	139	140	141	142	143	144	145
1	V-10142 Day 0	0.1	LB A/A	3 a	7 ab	1 a	2 bc	1 ab	1 a	0 a	1 a
2	V-10142 Day 7	0.1	LB A/A	3 a	11 a	3 a	1 c	0 b	0 a	0 a	0 a
3	V-10142 Day 14	0.1	LB A/A	4 a	3 ab	1 a	1 c	0 b	0 a	0 a	0 a
4	V-10142 Day 0	0.1	LB A/A	3 a	3 ab	1 a	3 bc	1 ab	1 a	0 a	0 a
5	V-10142 Day 7	0.1	LB A/A	4 a	4 ab	0 a	1 bc	0 b	0 a	0 a	1 a
6	V-10142 Day 14	0.1	LB A/A	3 a	2 b	1 a	1 bc	0 b	1 a	0 a	0 a
7	V-10142 Day 0	0.15	LB A/A	4 a	1 b	0 a	3 bc	1 b	2 a	1 a	1 a
8	V-10142 Day 7	0.15	LB A/A	3 a	5 ab	1 a	1 bc	1 b	1 a	0 a	0 a
9	V-10142 Day 14	0.15	LB A/A	5 a	3 ab	2 a	3 ab	3 a	1 a	0 a	0 a
10	V-10142 Day 0	0.2	LB A/A	3 a	6 ab	2 a	5 a	2 ab	1 a	0 a	0 a
11	V-10142 Day 7	0.2	LB A/A	2 a	1 b	0 a	2 bc	1 b	0 a	0 a	0 a
12	V-10142 Day 14	0.2	LB A/A	4 a	1 b	0 a	2 bc	2 ab	0 a	0 a	0 a
13	Sandea Day 7	0.047	LB A/A	2 a	2 b	0 a	1 bc	1 b	2 a	1 a	0 a
14	Envoke Day 7	0.1	OZ/A	3 a	1 b	1 a	1 c	0 b	0 a	0 a	0 a
15	Non-treated Day 7			3 a	2 b	1 a	1 bc	1 b	1 a	0 a	0 a
LSD (P=.05)				2.3	7.3	1.9	2.1	1.6	1.6	0.6	0.7
Standard Deviation				1.4	4.3	1.1	1.3	0.9	1.0	0.3	0.4
CV				41.35	122.84	117.67	69.79	101.69	119.77	120.94	177.48
Bartlett's X2				12.611	33.893	21.339	15.959	36.121	11.024	12.476	0.0
P(Bartlett's X2)				0.557	0.002*	0.093	0.251	0.001*	0.527	0.408	1.00

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

Column 141: T9 = ([C69]+[C81])

Column 142: T10 = ([C70]+[C82])

Column 143: T11 = ([C71]+[C83])

Column 144: T12 = ([C72]+[C84])

Column 145: T13 = ([C73]+[C85])

## University of Georgia

Weed Code	harv1&2	harv1&2	harv1&2	harv1&2	harv1&2	harv1&2	harv1&2	harv 1-6
Crop Code	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES
Part Rated								
Rating Data Type	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb	#
Rating Unit	medium	small	small	exsmall	exsmall	cull	cull	jumbo
Rating Date	Aug-10-06	Aug-10-06	Aug-10-06	Aug-10-06	Aug-10-06	Aug-10-06	Aug-10-06	Aug-10-06
Assessed By								
Trt-Eval Interval								
ARM Action Codes	T14	T15	T16	T17	T18	T19	T20	T21
Trt Treatment								
No. Name Rate Unit	146	147	148	149	150	151	152	153
1 V-10142 0.1 LB A/A Day 0	0 a	0 b	0 b	0 a	0 a	1 a	0 a	131 ab
2 V-10142 0.1 LB A/A Day 7	0 a	0 b	0 b	0 a	0 a	1 a	0 a	114 b
3 V-10142 0.1 LB A/A Day 14	0 a	0 b	0 b	0 a	0 a	1 a	1 a	120 ab
4 V-10142 0.1 LB A/A Day 0	0 a	0 b	0 b	0 a	0 a	2 a	1 a	146 ab
5 V-10142 0.1 LB A/A Day 7	0 a	0 b	0 b	1 a	0 a	1 a	0 a	125 ab
6 V-10142 0.1 LB A/A Day 14	0 a	0 ab	0 ab	0 a	0 a	1 a	0 a	114 b
7 V-10142 0.15 LB A/A Day 0	0 a	0 b	0 b	1 a	0 a	2 a	1 a	140 ab
8 V-10142 0.15 LB A/A Day 7	0 a	0 b	0 b	0 a	0 a	1 a	0 a	141 ab
9 V-10142 0.15 LB A/A Day 14	0 a	0 b	0 b	0 a	0 a	0 a	0 a	115 b
10 V-10142 0.2 LB A/A Day 0	0 a	0 b	0 b	0 a	0 a	1 a	1 a	155 a
11 V-10142 0.2 LB A/A Day 7	0 a	0 ab	0 ab	0 a	0 a	1 a	0 a	143 ab
12 V-10142 0.2 LB A/A Day 14	0 a	0 b	0 b	0 a	0 a	1 a	0 a	113 b
13 Sandea 0.047 LB A/A Day 7	0 a	1 a	0 a	0 a	0 a	2 a	1 a	140 ab
14 Envoke 0.1 OZ/A Day 7	0 a	0 b	0 b	0 a	0 a	2 a	1 a	123 ab
15 Non-treated Day 7	0 a	0 b	0 b	0 a	0 a	0 a	0 a	142 ab
LSD (P=.05)	0.2	0.4	0.1	0.8	0.1	1.7	0.6	31.9
Standard Deviation	0.1	0.3	0.1	0.5	0.0	1.0	0.3	19.1
CV	187.26	297.31	293.77	351.02	462.44	87.09	86.09	14.57
Bartlett's X2	0.592	0.0	0.034	1.714	0.161	10.586	11.711	8.988
P(Bartlett's X2)	0.997	0.001*	0.983	0.634	0.689	0.645	0.629	0.832

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

Column 146: T14 = ([C74]+[C86])

Column 147: T15 = ([C75]+[C87])

Column 148: T16 = ([C76]+[C88])

Column 149: T17 = ([C77]+[C89])

Column 150: T18 = ([C78]+[C90])

Column 151: T19 = ([C79]+[C91])

Column 152: T20 = ([C80]+[C92])

Column 153: T21 = ([C69]+[C81]+[C93]+[C105]+[C117]+[C129])

## University of Georgia

Weed Code	harv 1-6	harv 1-6	harv 1-6	harv 1-6	harv 1-6	harv 1-6	harv 1-6	harv 1-6	harv 1-6
Crop Code	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES
Part Rated									
Rating Data Type	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb	#	#
Rating Unit	jumbo	large	large	medium	medium	small	small	small	exsmall
Rating Date	Aug-10-06	Aug-10-06	Aug-10-06	Aug-10-06	Aug-10-06	Aug-10-06	Aug-10-06	Aug-10-06	Aug-10-06
Assessed By									
Trt-Eval Interval									
ARM Action Codes	T22	T23	T24	T25	T26	T27	T28	T29	
Trt Treatment									
No. Name									
Rate Unit									
Rate									
154	155	156	157	158	159	160	161		
1 V-10142 Day 0	0.1 LB A/A 71 ab	0.1 LB A/A 58 b	0.1 LB A/A 19 d	0.1 LB A/A 38 a	0.1 LB A/A 10 a	0.1 LB A/A 14 bcd	0.1 LB A/A 3 ab	0.1 LB A/A 51 a	
2 V-10142 Day 7	0.1 LB A/A 62 b	0.1 LB A/A 68 ab	0.1 LB A/A 23 a-d	0.1 LB A/A 48 a	0.1 LB A/A 11 a	0.1 LB A/A 12 cd	0.1 LB A/A 2 b	0.1 LB A/A 61 a	
3 V-10142 Day 14	0.1 LB A/A 61 b	0.1 LB A/A 77 ab	0.1 LB A/A 28 abc	0.1 LB A/A 52 a	0.1 LB A/A 12 a	0.1 LB A/A 18 a-d	0.1 LB A/A 4 ab	0.1 LB A/A 54 a	
4 V-10142 Day 0	0.1 LB A/A 78 ab	0.1 LB A/A 71 ab	0.1 LB A/A 25 a-d	0.1 LB A/A 46 a	0.1 LB A/A 12 a	0.1 LB A/A 17 a-d	0.1 LB A/A 3 ab	0.1 LB A/A 50 a	
5 V-10142 Day 7	0.1 LB A/A 65 ab	0.1 LB A/A 74 ab	0.1 LB A/A 25 a-d	0.1 LB A/A 63 a	0.1 LB A/A 15 a	0.1 LB A/A 19 a-d	0.1 LB A/A 4 ab	0.1 LB A/A 74 a	
6 V-10142 Day 14	0.1 LB A/A 59 b	0.1 LB A/A 73 ab	0.1 LB A/A 25 a-d	0.1 LB A/A 48 a	0.1 LB A/A 13 a	0.1 LB A/A 17 a-d	0.1 LB A/A 3 ab	0.1 LB A/A 50 a	
7 V-10142 Day 0	0.15 LB A/A 74 ab	0.15 LB A/A 74 ab	0.15 LB A/A 26 a-d	0.15 LB A/A 49 a	0.15 LB A/A 12 a	0.15 LB A/A 18 a-d	0.15 LB A/A 3 ab	0.15 LB A/A 68 a	
8 V-10142 Day 7	0.15 LB A/A 77 ab	0.15 LB A/A 84 a	0.15 LB A/A 27 a-d	0.15 LB A/A 46 a	0.15 LB A/A 12 a	0.15 LB A/A 19 a-d	0.15 LB A/A 3 ab	0.15 LB A/A 75 a	
9 V-10142 Day 14	0.15 LB A/A 61 b	0.15 LB A/A 88 a	0.15 LB A/A 29 ab	0.15 LB A/A 52 a	0.15 LB A/A 13 a	0.15 LB A/A 25 a	0.15 LB A/A 5 a	0.15 LB A/A 73 a	
10 V-10142 Day 0	0.2 LB A/A 82 a	0.2 LB A/A 66 ab	0.2 LB A/A 23 a-d	0.2 LB A/A 44 a	0.2 LB A/A 11 a	0.2 LB A/A 11 d	0.2 LB A/A 2 b	0.2 LB A/A 56 a	
11 V-10142 Day 7	0.2 LB A/A 72 ab	0.2 LB A/A 87 a	0.2 LB A/A 31 a	0.2 LB A/A 51 a	0.2 LB A/A 12 a	0.2 LB A/A 22 abc	0.2 LB A/A 4 ab	0.2 LB A/A 51 a	
12 V-10142 Day 14	0.2 LB A/A 60 b	0.2 LB A/A 80 ab	0.2 LB A/A 28 abc	0.2 LB A/A 56 a	0.2 LB A/A 14 a	0.2 LB A/A 15 a-d	0.2 LB A/A 3 b	0.2 LB A/A 64 a	
13 Sandea Day 7	0.047 LB A/A 74 ab	0.047 LB A/A 66 ab	0.047 LB A/A 22 bcd	0.047 LB A/A 49 a	0.047 LB A/A 12 a	0.047 LB A/A 24 ab	0.047 LB A/A 4 ab	0.047 LB A/A 56 a	
14 Envoke Day 7	0.1 OZ/A 67 ab	0.1 OZ/A 59 b	0.1 OZ/A 21 cd	0.1 OZ/A 41 a	0.1 OZ/A 10 a	0.1 OZ/A 22 abc	0.1 OZ/A 4 ab	0.1 OZ/A 83 a	
15 Non-treated Day 7	76 ab	69 ab	23 a-d	49 a	12 a	18 a-d	4 ab	80 a	
LSD (P=.05)	16.3	20.6	7.0	22.7	5.8	9.4	1.8	34.8	
Standard Deviation	9.8	12.3	4.2	13.6	3.5	5.6	1.1	20.8	
CV	14.1	16.89	16.95	27.85	28.37	31.07	32.6	32.94	
Bartlett's X2	14.027	15.936	12.043	18.53	11.914	10.762	9.952	6.599	
P(Bartlett's X2)	0.448	0.317	0.603	0.184	0.613	0.705	0.766	0.949	

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

Column 154: T22 = ([C70]+[C82]+[C94]+[C106]+[C118]+[C130])

Column 155: T23 = ([C71]+[C83]+[C95]+[C107]+[C119]+[C131])

Column 156: T24 = ([C72]+[C84]+[C96]+[C108]+[C120]+[C132])

Column 157: T25 = ([C73]+[C85]+[C97]+[C109]+[C121]+[C133])

Column 158: T26 = ([C74]+[C86]+[C98]+[C110]+[C122]+[C134])

Column 159: T27 = ([C75]+[C87]+[C99]+[C111]+[C123]+[C135])

Column 160: T28 = ([C76]+[C88]+[C100]+[C112]+[C124]+[C136])

Column 161: T29 = ([C77]+[C89]+[C101]+[C113]+[C125]+[C137])



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Weed Code	harv 1-6	harv 1-6	harv 1-6	All Harv	All Harv			
Crop Code	LYPES	LYPES	LYPES	LYPES	LYPES			
Part Rated								
Rating Data Type	wt/lb	#	wt/lb	#	#			
Rating Unit	exsmall	cull	cull	All size	All size			
Rating Date	Aug-10-06	Aug-10-06	Aug-10-06	Aug-10-06	Aug-10-06			
Assessed By								
Trt-Eval Interval								
ARM Action Codes	T34	T30	T31	T32	T33			
Trt No.	Treatment Name	Rate	Rate Unit	162	163	164	165	166
1	V-10142 Day 0	0.1	LB A/A	5 b	26 a	8 a	292 b	107 a
2	V-10142 Day 7	0.1	LB A/A	5 ab	29 a	8 a	303 ab	104 a
3	V-10142 Day 14	0.1	LB A/A	6 ab	11 a	3 a	320 ab	110 a
4	V-10142 Day 0	0.1	LB A/A	5 ab	17 a	6 a	330 ab	122 a
5	V-10142 Day 7	0.1	LB A/A	8 a	16 a	5 a	356 a	116 a
6	V-10142 Day 14	0.1	LB A/A	5 ab	13 a	5 a	302 ab	105 a
7	V-10142 Day 0	0.15	LB A/A	7 ab	22 a	8 a	348 ab	122 a
8	V-10142 Day 7	0.15	LB A/A	5 ab	21 a	6 a	365 a	124 a
9	V-10142 Day 14	0.15	LB A/A	7 ab	11 a	4 a	353 ab	116 a
10	V-10142 Day 0	0.2	LB A/A	5 ab	26 a	9 a	332 ab	124 a
11	V-10142 Day 7	0.2	LB A/A	5 ab	18 a	6 a	354 ab	124 a
12	V-10142 Day 14	0.2	LB A/A	5 ab	12 a	3 a	329 ab	110 a
13	Sandea Day 7	0.047	LB A/A	5 ab	18 a	6 a	336 ab	118 a
14	Envoke Day 7	0.1	OZ/A	6 ab	12 a	4 a	329 ab	107 a
15	Non-treated Day 7			6 ab	20 a	8 a	358 a	122 a
LSD (P=.05)				2.3	17.2	4.9	53.4	19.0
Standard Deviation				1.4	10.3	2.9	31.9	11.4
CV				24.23	56.69	50.74	9.56	9.84
Bartlett's X2				9.5	25.902	23.124	15.453	6.738
P(Bartlett's X2)				0.798	0.027*	0.058	0.348	0.944

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

Column 162: T34 = [C76]+[C90]+[C102]+[C114]+[C126]+[C138]

Column 163: T30 = ([C79]+[C91]+[C103]+[C115]+[C127]+[C139])

Column 164: T31 = ([C80]+[C92]+[C104]+[C116]+[C128]+[C140])

Column 165: T32 = [C153]+[C155]+[C157]+[C159]+[C161]

Column 166: T33 = [C154]+[C156]+[C158]+[C160]+[C162]

## University of Georgia

**Pepper and tomato response to V-10142 applied PRE under mulch.**

Trial ID: Veg13-06  
 Location: Ponder (5139)

Study Dir.: Stanley Culpepper  
 Investigator: Stanley Culpepper

**GENERAL TRIAL INFORMATION**

**Study Director:** Stanley Culpepper  
**Affiliation:** Univ. of Georgia  
**Postal Code:** 31794

**Title:** Ext. Weed Science

**Investigator:** Stanley Culpepper  
**Affiliation:** Univ. of Georgia  
**Postal Code:** 31794

**Title:** Ext. Weed Science

**TRIAL LOCATION**

City: TyTy	Trial Status: completed
State/Prov.: GA	Trial Reliability: good
Postal Code: 31794	Initiation Date: Mar-07-06
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 °: _____

**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.	CYPES	yellow	nutsedge

Crop 1: CPSAN bell pepper				Variety: Heritage	
Planting Date: Mar-08-06		Planting Method: transplant			
Rate: 1 row ft	Depth: 1 in	Perennial Age: ____			
Row Spacing: 15 inch	Spacing Within Row: 12 inch	Seed Bed: plastic			
Soil Temperature: 68 F	Soil Moisture: drip	Emergence Date: _____			

Crop 2: LYPES tomato				Variety: Amelia	
Planting Date: Mar-08-06		Planting Method: transplant			
Rate: 1 18 inch	Depth: 1 in	Perennial Age: ____			
Row Spacing: 6 feet	Spacing Within Row: 18 inch	Seed Bed: plastic			
Soil Temperature: 68 F	Soil Moisture: drip	Emergence Date: _____			

**SITE AND DESIGN**

Plot Width, Unit: 3 FT	Plot Length, Unit: 15 FT	Reps: 3
Site Type: Research station		
Tillage Type: Conventional	Study Design: FACTORIAL	

Trial Initiation Comments:

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	Previous Crops	Previous Pesticides	Year
1.			

### MAINTENANCE

Field Prep./Maintenance:

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

### SOIL DESCRIPTION

% Sand: 94	% OM: 1.1	Texture: sand
% Silt: 2	pH: 6.1	Soil Name: Tifton sandy loam
% Clay: 4	CEC: _____	Fert. Level: _____

### ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

### MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

Overall Moisture Conditions: drip irrigation

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

### APPLICATION DESCRIPTION

	A	B	C
Application Date:	Mar-07-06	Mar-07-06	Mar-07-06
Time of Day:	9 am	9 am	9 am
Application Method:	broadcast	broadcast	broadcast
Application Timing:	PRE U PL	PRE U PL	PRE U PL
Applic. Placement:	on soil	on soil	on soil
Air Temp., Unit:	65 F	65 F	65 F
% Relative Humidity:	57	57	57
Wind Velocity, Unit:	2 mph	2 mph	2 mph
Dew Presence (Y/N):	n	n	n
Water Hardness:			
Soil Temp., Unit:	68 F	68 F	68 F
Soil Moisture:	drip	drip	drip
% Cloud Cover:	15	15	15

### CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	CPSAN PRE U PL	CPSAN PRE U PL	CPSAN PRE U PL
Stage Scale:	not plant	not plant	not plant
Height, Unit:	0 inch	0 inch	0 inch
Crop 2 Code, Stage:	LYPES PRE U PL	LYPES PRE U PL	LYPES PRE U PL
Stage Scale:	not plant	not plant	not plant
Height, Unit:	0 inch	0 inch	0 inch

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## WEED STAGE AT EACH APPLICATION

	A	B	C
<b>Weed 1 Code, Stage:</b>	CYPES PRE U PL	CYPES PRE U PL	CYPES PRE U PL
<b>Stage Scale:</b>	see data	see data	see data
<b>Density, Unit:</b>	. .	. .	. .

## APPLICATION EQUIPMENT

	A	B	C
<b>Appl. Equipment:</b>	superbedd	superbedd	superbedd
<b>Operating Pressure:</b>	24	24	24
<b>Nozzle Type:</b>	flat fan	flat fan	flat fan
<b>Nozzle Size:</b>	11002	11002	11002
<b>Nozzle Spacing, Unit:</b>	18 inch	18 inch	18 inch
<b>Nozzles/Row:</b>	5	5	5
<b>Band Width, Unit:</b>			
<b>Boom Length, Unit:</b>	4.5 feet	4.5 feet	4.5 feet
<b>Boom Height, Unit:</b>	15 inch	15 inch	15 inch
<b>Ground Speed, Unit:</b>	3 mph	3 mph	3 mph
<b>Incorporation Equip.:</b>			
<b>Hours to Incorp.:</b>			
<b>Incorp. Depth, Unit:</b>			
<b>Carrier:</b>	water	water	water
<b>Spray Volume, Unit:</b>	30 GPA	30 GPA	30 GPA
<b>Spray pH:</b>			
<b>Propellant:</b>	CO2	CO2	CO2
<b>Tank Mix (Y/N):</b>	Y	Y	Y

Trt No	Treatment Application Comment