

# University of Georgia

**Squash, cucumber, collard, and cabbage response to V-10142 applied in the previous tomato crop.**

Trial ID: Veg8-08

Study Dir.: Stanley Culpepper

Location: Ponder Farm (5158)

Investigator: Stanley Culpepper

Reps: 4

Plots: 6 by 70 feet

Spray vol: 14.8 gal/ac

Mix size: 3 liters (min 2.1607)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Form Rate	Rate Unit	Grow Stg	Appl Code	Amt to Measure	Product	Plot No. By Rep			
											1	2	3	4
1	V-10142	75	DF	0.3	LB A/A	preplant	A		9.716 g/mx		101	205	304	405
2	V-10142	75	DF	0.4	LB A/A	preplant	A		12.95 g/mx		102	203	302	404
3	V-10142	75	DF	0.3	LB A/A	POST	B		9.716 g/mx		103	201	303	401
4	V-10142	75	DF	0.4	LB A/A	POST	B		12.95 g/mx		104	206	301	402
5	V-10142	75	DF	0.4	LB A/A	preplant	A		12.95 g/mx		105	202	305	406
	V-10142	75	DF	0.4	LB A/A	POST	B		12.95 g/mx					
6	Non-treated										106	204	306	403

Sort Order: Treatment

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

Amount*	Unit	Treatment Name	Form Conc	Form Type	Lot Code
89.060	g	V-10142	75	DF	

\* 'Per area' calculations based on spray volume= 14.8 gal/ac, mix size= 3 liters (mix size basis).

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

### Trial Comments

**OBJECTIVE:** Determine tomato and eggplant tolerance to V-10142 and its carryover to cucumber (seeded and transplant), squash (seeded and transplant), transplant cabbage and transplant collards.

#### Eggplant Visual Response:

1. PRE applications did not injure eggplant.
2. POST applications caused 10 to 15% injury at 14 DAT, regardless of rate.
3. Eggplant recovered quickly.
4. Crop was not harvested.

#### Tomato Visual Response:

1. Tomato was not injured by V-10142 applied PRE, POST, or PRE and POST.
2. Crop was not harvested.

#### Eggplant Plant Heights:

1. Five plants per plot were measured 3 times throughout the season.
2. At 19 and 40 DAP, no statistical differences were noted but a clear trend for smaller plants were noted in all plots treated with V-10142 as compared to the control.

#### Tomato Plant Heights:

1. Ten plants per plot were measured 3 times throughout the season.
2. Treatments had no impact on plant height.

#### Seeded Squash (planted 8-8-08):

1. Visual stunting equal to or greater than 10% was noted with 0.4 lb ai/A applied under the mulch.
2. Plant heights were measured twice during the season with no statistical treatment differences noted but obvious trends for smaller squash were noted during mid season, especially with 0.4 lb ai/A under mulch.
3. Squash was harvested 12 times. Although there are no statistical reductions in yields, trends for delayed and even lower yields from V-10142 systems were noted.

#### Seeded Cucumber (planted 8-8-08):

1. Visual stunting was noted with all treatments except 0.3 lb ai/A preplant under mulch; however, stunting was 10% or less throughout the season.

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2. Plant heights were measured twice during the season with no treatment differences noted.
3. Treatments had no impact on yield.

## Transplant squash (planted 8-8-08):

1. Visual stunting was noted by all treatments with greater than 10% noted with 0.4 lb ai/A of V-10142 applied under mulch.
2. Visual stunting was more persistent when V-0142 was applied at 0.4 lb ai/A under the mulch.
3. Plant heights were measured twice during the season. Although there was not a statistical difference, there were clear trends for smaller plants noted with all treated systems when compared to the non-treated control.
4. Squash was harvested 12 times. Although there are no statistical reductions in yields, trends for delayed and even lower yields from V-10142 systems were noted when V-10142 was applied under the mulch.

## Transplant cucumber (planted 8-8-08)

1. Visual stunting up to 10% was noted with most treatments.
2. Visual stunting was more persistent when V-0142 was applied at 0.4 lb ai/A under the mulch.
3. Plant heights were measured twice during the season with no treatment differences noted.
4. Treatments had no obvious impact on yield.

## Cabbage (planted 8-8-08):

1. Visual stunting was not noted until late in the season but was at most 15% with greatest injury noted by V10142 applied under mulch at 0.4 lb ai/A.
2. Plant heights were measured twice during the season and compared to the control little differences were noted.
3. Treatments had no impact on yield.

## Collard (planted 8-8-08):

1. Visual stunting was not noted until late in the season with trends similar to cabbage although less stunting was noted.
2. Plant heights were measured twice during the season and compared to the control little differences were noted.
3. Treatments had no impact on yield.

## CONCLUSION:

1. From this study it appears transplant squash and seeded squash has the greatest potential for loss of yield from V-10142 carryover which could simply be because of the short period between planting and harvesting

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**Squash, cucumber, collard, and cabbage response to V-10142 applied in the  
previous tomato crop.**

Trial ID: Veg8-08

Study Dir.: Stanley Culpepper

Location: Ponder Farm (5158)

Investigator: Stanley Culpepper

Weed Code	SOLME	SOLME	SOLME	LYPES	LYPES	LYPES	plant 1 SOLME	plant 2 SOLME	
Crop Code									
Part Rated									
Rating Data Type	injury	injury	injury	injury	injury	injury	ht	ht	
Rating Unit	%	%	%	%	%	%	cm	cm	
Rating Date	Apr-17-08	Apr-30-08	May-16-08	Apr-17-08	Apr-30-08	May-16-08	Apr-16-08	Apr-16-08	
Crop Stage									
Assessed By		SC	SC		SC	SC			
Trt-Eval Interval	20 DAP	14 DA-B	30 DA-B	20 DAP	14 DA-B	30 DA-B	49 DA-A	49 DA-A	
ARM Action Codes									
Trt Treatment	Rate								
No. Name	Rate Unit	1	2	3	4	5	6	8	9
1 V-10142	0.3 LB A/A	0 a	1 b	5 a	0 a	0 a	0 a	15 ab	15 ab
2 V-10142	0.4 LB A/A	0 a	1 b	0 a	0 a	0 a	0 a	15 ab	15 ab
3 V-10142	0.3 LB A/A	0 a	12 a	5 a	0 a	0 a	0 a	14 b	14 ab
4 V-10142	0.4 LB A/A	0 a	11 a	3 a	0 a	0 a	0 a	15 ab	14 b
5 V-10142	0.4 LB A/A	0 a	15 a	8 a	0 a	0 a	0 a	16 ab	16 ab
V-10142	0.4 LB A/A								
6 Non-treated		0 a	0 b	0 a	0 a	0 a	0 a	17 a	17 a
LSD (P=.05)		0.0	4.3	6.9	0.0	0.0	0.0	2.2	2.1
Standard Deviation		0.0	2.9	4.6	0.0	0.0	0.0	1.5	1.4
CV		0.0	42.95	137.84	0.0	0.0	0.0	9.71	9.4
Bartlett's X2		0.0	2.339	0.116	0.0	0.0	0.0	2.595	9.322
P(Bartlett's X2)		.	0.674	0.99	.	.	.	0.762	0.097

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

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Weed Code	plant 3 SOLME	plant 4 SOLME	plant 5 SOLME	plant av SOLME	plant 1 SOLME	plant 2 SOLME	plant 3 SOLME	plant 4 SOLME	
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-16-08	Apr-16-08	Apr-16-08	Apr-16-08	May-07-08	May-07-08	May-07-08	May-07-08	
Crop Stage									
Assessed By									
Trt-Eval Interval	49 DA-A	49 DA-A	49 DA-A	49 DA-A	70 DA-A	70 DA-A	70 DA-A	70 DA-A	
ARM Action Codes				T1					
Trt Treatment									
Rate									
No. Name	10	11	12	13	15	16	17	18	
1 V-10142	0.3 LB A/A	15 a	14 ab	16 a	15 ab	30 c	32 b	35 a	32 a
2 V-10142	0.4 LB A/A	15 a	15 a	15 a	15 ab	38 ab	35 ab	36 a	32 a
3 V-10142	0.3 LB A/A	14 a	14 ab	14 a	14 b	34 abc	36 ab	32 a	32 a
4 V-10142	0.4 LB A/A	14 a	16 a	16 a	15 ab	33 bc	34 ab	36 a	38 a
5 V-10142	0.4 LB A/A	15 a	13 b	16 a	15 ab	34 abc	36 ab	32 a	33 a
V-10142	0.4 LB A/A								
6 Non-treated		15 a	16 a	15 a	16 a	40 a	42 a	37 a	39 a
LSD (P=.05)	2.4	1.8	1.8	1.1	6.1	7.1	7.8	7.0	
Standard Deviation	1.6	1.2	1.2	0.7	4.0	4.7	5.2	4.6	
CV	11.04	8.19	7.83	4.72	11.49	13.25	15.17	13.52	
Bartlett's X2	6.743	2.496	1.862	6.167	18.26	1.946	5.014	4.571	
P(Bartlett's X2)	0.15	0.777	0.868	0.29	0.003*	0.857	0.414	0.47	

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

Column 12: T1 = @AVG([C8],[C12])

## University of Georgia

Weed Code	plant 5 SOLME	plant av SOLME	plant 1 SOLME	plant 2 SOLME	plant 3 SOLME	plant 4 SOLME	plant 5 SOLME	plant av SOLME	
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-07-08	May-07-08	May-20-08	May-20-08	May-20-08	May-20-08	May-20-08	May-20-08	
Crop Stage									
Assessed By									
Trt-Eval Interval	70 DA-A	70 DA-A	83 DA-A	83 DA-A	83 DA-A	83 DA-A	83 DA-A	83 DA-A	
ARM Action Codes		T2						T3	
Trt Treatment									
No. Name	19	20	22	23	24	25	26	27	
Rate									
Unit									
1 V-10142	0.3 LB A/A	36 ab	33 b	51 a	54 a	52 a	52 a	59 a	53 a
2 V-10142	0.4 LB A/A	35 ab	35 b	57 a	59 a	60 a	57 a	64 a	59 a
3 V-10142	0.3 LB A/A	35 ab	34 b	51 a	55 a	52 a	55 a	56 a	54 a
4 V-10142	0.4 LB A/A	36 ab	35 b	53 a	59 a	57 a	57 a	57 a	56 a
5 V-10142	0.4 LB A/A	34 b	33 b	53 a	52 a	51 a	51 a	53 a	52 a
V-10142	0.4 LB A/A								
6 Non-treated		42 a	40 a	55 a	59 a	58 a	58 a	64 a	59 a
LSD (P=.05)	7.3	4.5	9.5	9.2	12.1	8.3	10.4	7.1	
Standard Deviation	4.9	3.0	6.3	6.1	8.0	5.5	6.9	4.7	
CV	13.44	8.58	11.85	10.9	14.59	10.03	11.77	8.46	
Bartlett's X2	4.689	11.795	4.723	2.102	3.104	1.931	7.224	1.441	
P(Bartlett's X2)	0.455	0.038*	0.451	0.835	0.684	0.859	0.204	0.92	

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

Column 18: T2 = @AVG([C15].[C19])

Column 24: T3 = @AVG([C22].[C26])

## University of Georgia

Weed Code	plant 1 LYPES	plant 2 LYPES	plant 3 LYPES	plant 4 LYPES	plant 5 LYPES	plant 6 LYPES	plant 7 LYPES	plant 8 LYPES	plant 9 LYPES	
Crop Code										
Part Rated										
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Date	Apr-16-08	Apr-16-08	Apr-16-08	Apr-16-08	Apr-16-08	Apr-16-08	Apr-16-08	Apr-16-08	Apr-16-08	
Crop Stage										
Assessed By										
Trt-Eval Interval	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	
ARM Action Codes										
Trt Treatment										
Rate										
No. Name	29	30	31	32	33	34	35	36	37	
1 V-10142	0.3 LB A/A	16 a	17 a	17 a	17 a	17 a	17 a	16 a	18 a	18 ab
2 V-10142	0.4 LB A/A	16 a	17 a	18 a	18 a	17 a	18 a	17 a	17 a	16 c
3 V-10142	0.3 LB A/A	17 a	17 a	18 a	17 a	19 a	17 a	18 a	18 a	19 a
4 V-10142	0.4 LB A/A	16 a	17 a	18 a	17 a	17 a	17 a	17 a	16 a	17 abc
5 V-10142	0.4 LB A/A	16 a	17 a	17 a	17 a	17 a	17 a	15 a	18 a	17 bc
V-10142	0.4 LB A/A									
6 Non-treated		16 a	15 a	19 a	16 a	17 a	17 a	17 a	18 a	19 a
LSD (P=.05)	2.1	3.1	2.9	3.0	2.5	2.8	2.1	2.9	2.0	
Standard Deviation	1.4	2.0	1.9	2.0	1.7	1.9	1.4	2.0	1.3	
CV	8.69	12.18	10.94	11.69	9.89	10.96	8.47	11.17	7.44	
Bartlett's X2	4.807	2.436	5.425	5.044	4.419	9.205	0.675	5.565	0.545	
P(Bartlett's X2)	0.44	0.786	0.366	0.411	0.491	0.101	0.984	0.351	0.99	

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

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Weed Code	plant 10 LYPES	plant av LYPES	plant 1 LYPES	plant 2 LYPES	plant 3 LYPES	plant 4 LYPES	plant 5 LYPES	plant 6 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-16-08	Apr-16-08	May-07-08	May-07-08	May-07-08	May-07-08	May-07-08	May-07-08	
Crop Stage									
Assessed By									
Trt-Eval Interval	49 DA-A	49 DA-A	70 DA-A	70 DA-A	70 DA-A	70 DA-A	70 DA-A	70 DA-A	
ARM Action Codes		T4							
Trt Treatment									
No. Name	38	39	41	42	43	44	45	46	
Rate									
Unit									
1 V-10142	0.3 LB A/A	19 ab	17 a	50 a	52 a	52 a	52 a	53 a	54 a
2 V-10142	0.4 LB A/A	16 c	17 a	55 a	53 a	52 a	54 a	50 a	42 a
3 V-10142	0.3 LB A/A	16 bc	17 a	56 a	53 a	49 a	49 a	52 a	52 a
4 V-10142	0.4 LB A/A	16 bc	17 a	55 a	56 a	53 a	54 a	52 a	54 a
5 V-10142	0.4 LB A/A	18 abc	17 a	50 a	54 a	57 a	54 a	51 a	51 a
V-10142	0.4 LB A/A								
6 Non-treated		19 a	17 a	54 a	54 a	54 a	54 a	51 a	51 a
LSD (P=.05)	2.3	0.9	6.4	5.8	7.1	5.6	6.8	18.4	
Standard Deviation	1.5	0.6	4.2	3.8	4.7	3.7	4.5	12.2	
CV	8.89	3.43	7.96	7.21	8.93	7.1	8.83	24.12	
Bartlett's X2	5.02	3.449	4.782	10.403	10.155	11.112	7.257	20.274	
P(Bartlett's X2)	0.413	0.631	0.443	0.065	0.071	0.049*	0.202	0.001*	

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

Column 35: T4 = @AVG([C29].[C38])

## University of Georgia

Weed Code	plant 7 LYPES	plant 8 LYPES	plant 9 LYPES	plant 10 LYPES	plant av LYPES	plant 1 LYPES	plant 2 LYPES	plant 3 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	May-07-08	May-07-08	May-07-08	May-07-08	May-07-08	May-20-08	May-20-08	May-20-08	
Crop Stage									
Assessed By									
Trt-Eval Interval	70 DA-A	70 DA-A	70 DA-A	70 DA-A	70 DA-A	83 DA-A	83 DA-A	83 DA-A	
ARM Action Codes					T5				
Trt Treatment									
No. Name	47	48	49	50	51	53	54	55	
Rate									
Rate Unit									
1 V-10142	0.3 LB A/A	52 a	54 a	52 a	54 ab	52 a	68 a	66 a	65 ab
2 V-10142	0.4 LB A/A	50 a	54 a	54 a	51 ab	51 a	68 a	70 a	63 b
3 V-10142	0.3 LB A/A	52 a	53 a	53 a	56 a	52 a	64 a	65 a	66 ab
4 V-10142	0.4 LB A/A	53 a	53 a	53 a	54 ab	53 a	64 a	73 a	72 a
5 V-10142	0.4 LB A/A	51 a	50 a	51 a	51 b	52 a	67 a	68 a	71 ab
V-10142	0.4 LB A/A								
6 Non-treated		52 a	55 a	51 a	52 ab	53 a	73 a	68 a	68 ab
LSD (P=.05)	4.5	5.8	4.5	3.9	3.5	9.3	10.6	7.6	
Standard Deviation	3.0	3.9	3.0	2.6	2.3	6.2	7.0	5.1	
CV	5.83	7.32	5.67	4.89	4.46	9.21	10.26	7.54	
Bartlett's X2	4.16	5.303	9.673	4.26	5.41	10.986	5.253	5.03	
P(Bartlett's X2)	0.527	0.38	0.085	0.513	0.368	0.052	0.386	0.412	

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

Column 46: T5 = @AVG([C41].[C50])



## University of Georgia

Weed Code	plant 4 LYPES	plant 5 LYPES	plant 6 LYPES	plant 7 LYPES	plant 8 LYPES	plant 9 LYPES	plant 10 LYPES	plant av 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	May-20-08	May-20-08	May-20-08	May-20-08	May-20-08	May-20-08	May-20-08	May-20-08
Crop Stage								
Assessed By								
Trt-Eval Interval	83 DA-A	83 DA-A	83 DA-A	83 DA-A	83 DA-A	83 DA-A	83 DA-A	83 DA-A
ARM Action Codes								T6
Trt Treatment								
No. Name Rate Unit	56	57	58	59	60	61	62	63
1 V-10142 0.3 LB A/A	72 a	70 a	63 a	65 a	74 a	70 a	70 a	68 a
2 V-10142 0.4 LB A/A	68 a	68 a	70 a	63 a	68 a	71 a	67 a	68 a
3 V-10142 0.3 LB A/A	64 a	65 a	66 a	65 a	65 a	68 a	67 a	65 a
4 V-10142 0.4 LB A/A	69 a	67 a	73 a	67 a	67 a	68 a	72 a	69 a
5 V-10142 0.4 LB A/A	70 a	70 a	64 a	66 a	65 a	68 a	67 a	68 a
V-10142 0.4 LB A/A								
6 Non-treated	65 a	66 a	67 a	66 a	72 a	66 a	70 a	68 a
LSD (P=.05)	9.2	9.7	9.8	8.7	9.0	6.4	8.5	6.0
Standard Deviation	6.1	6.4	6.5	5.8	6.0	4.3	5.7	4.0
CV	9.05	9.51	9.68	8.87	8.7	6.25	8.22	5.84
Bartlett's X2	2.486	6.845	6.644	13.673	3.792	5.437	1.82	10.676
P(Bartlett's X2)	0.779	0.232	0.248	0.018*	0.58	0.365	0.873	0.058

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

Column 57: T6 = @AVG([C53].[C62])

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Weed Code	CUUPE seeded	CUUPE seeded	CUUPE seeded	CUMSA seeded	CUMSA seeded	CUMSA seeded	CUUPE injury	CUUPE injury
Crop Code								
Part Rated								
Rating Data Type	injury	injury	injury	injury	injury	injury	injury	injury
Rating Unit	%	%	%	%	%	%	%	%
Rating Date	Aug-24-08	Aug-29-08	Sep-24-08	Aug-24-08	Aug-29-08	Sep-24-08	Aug-24-08	Aug-29-08
Crop Stage								
Assessed By	SC			SC			SC	
Trt-Eval Interval	179 DA-A	184 DA-A	210 DA-A	179 DA-A	184 DA-A	210 DA-A	179 DA-A	184 DA-A
ARM Action Codes								
Trt Treatment								
No. Name								
Rate								
Unit								
65	66	67	68	69	70	71	72	
1 V-10142 0.3 LB A/A	0 a	0 c	0 b	0 a	0 a	0 b	0 a	7 abc
2 V-10142 0.4 LB A/A	0 a	8 ab	11 a	0 a	8 a	9 a	0 a	11 ab
3 V-10142 0.3 LB A/A	0 a	3 bc	0 b	0 a	8 a	5 ab	0 a	5 bcd
4 V-10142 0.4 LB A/A	0 a	3 bc	0 b	0 a	5 a	0 b	0 a	3 cd
5 V-10142 0.4 LB A/A	0 a	9 a	11 a	0 a	8 a	10 a	0 a	13 a
V-10142 0.4 LB A/A								
6 Non-treated	0 a	0 c	0 b	0 a	0 a	0 b	0 a	0 d
LSD (P=.05)	0.0	5.1	0.9	0.0	6.9	7.2	0.0	6.3
Standard Deviation	0.0	3.4	0.6	0.0	4.6	4.8	0.0	4.2
CV	0.0	96.15	16.26	0.0	99.59	120.39	0.0	65.18
Bartlett's X2	0.0	2.065	0.0	0.0	0.091	0.606	0.0	6.568
P(Bartlett's X2)	.	0.559	0.001*	.	0.993	0.436	.	0.161

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

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Weed Code									
Crop Code	CUUPE	CUMSA	CUMSA	CUMSA	BRSOL	BRSOL	BRSOL	BRSOA	
Part Rated									
Rating Data Type	injury	injury	injury	injury	injury	injury	injury	injury	
Rating Unit	%	%	%	%	%	%	%	%	
Rating Date	Sep-24-08	Aug-24-08	Aug-29-08	Sep-24-08	Aug-24-08	Aug-29-08	Sep-24-08	Aug-24-08	
Crop Stage									
Assessed By		SC			SC			SC	
Trt-Eval Interval	210 DA-A	179 DA-A	184 DA-A	210 DA-A	179 DA-A	184 DA-A	210 DA-A	179 DA-A	
ARM Action Codes									
Trt Treatment	Rate								
No. Name	Rate Unit	73	74	75	76	77	78	79	80
1 V-10142	0.3 LB A/A	0 b	0 a	3 a	3 b	0 a	0 a	4 b	0 a
2 V-10142	0.4 LB A/A	9 a	0 a	6 a	10 a	0 a	0 a	15 a	0 a
3 V-10142	0.3 LB A/A	0 b	0 a	0 a	0 b	0 a	0 a	3 b	0 a
4 V-10142	0.4 LB A/A	0 b	0 a	6 a	1 b	0 a	0 a	8 ab	0 a
5 V-10142	0.4 LB A/A	10 a	0 a	5 a	8 a	0 a	0 a	10 ab	0 a
V-10142	0.4 LB A/A								
6 Non-treated		0 b	0 a	0 a	0 b	0 a	0 a	0 b	0 a
LSD (P=.05)		3.8	0.0	5.8	4.9	0.0	0.0	9.1	0.0
Standard Deviation		2.5	0.0	3.8	3.2	0.0	0.0	6.0	0.0
CV		83.01	0.0	119.99	91.43	0.0	0.0	93.67	0.0
Bartlett's X2		6.836	0.0	0.304	3.792	0.0	0.0	2.857	0.0
P(Bartlett's X2)		0.009*	.	0.959	0.285	.	.	0.582	.

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

## University of Georgia

Weed Code	BRSOA	BRSOA	plant 1 CUMSA	plant 2 CUMSA	plant 3 CUMSA	plant 4 CUMSA	plant 5 CUMSA	plant 6 CUMSA		
Crop Code			seeded	seeded	seeded	seeded	seeded	seeded		
Part Rated			ht	ht	ht	ht	ht	ht		
Rating Data Type	injury	injury	cm	cm	cm	cm	cm	cm		
Rating Unit	%	%								
Rating Date	Aug-29-08	Sep-24-08	Aug-26-08	Aug-26-08	Aug-26-08	Aug-26-08	Aug-26-08	Aug-26-08		
Crop Stage										
Assessed By										
Trt-Eval Interval	184 DA-A	210 DA-A	181 DA-A	181 DA-A	181 DA-A	181 DA-A	181 DA-A	181 DA-A		
ARM Action Codes										
Trt	Treatment	Rate								
No.	Name	Rate Unit	81	82	84	85	86	87	88	89
1	V-10142	0.3 LB A/A	0 a	1 b	10 a	12 a	12 a	9 a	10 a	13 a
2	V-10142	0.4 LB A/A	0 a	5 ab	12 a	11 a	13 a	14 a	13 a	14 a
3	V-10142	0.3 LB A/A	0 a	0 b	10 a	11 a	12 a	13 a	9 a	12 a
4	V-10142	0.4 LB A/A	0 a	3 b	15 a	12 a	15 a	11 a	12 a	10 a
5	V-10142	0.4 LB A/A	0 a	8 a	11 a	11 a	14 a	12 a	11 a	15 a
	V-10142	0.4 LB A/A								
6	Non-treated		0 a	0 b	9 a	15 a	12 a	8 a	11 a	11 a
LSD (P=.05)			0.0	4.6	7.3	5.1	7.3	6.4	5.6	7.4
Standard Deviation			0.0	3.1	4.8	3.4	4.8	4.2	3.7	4.9
CV			0.0	113.05	43.78	28.92	37.3	38.58	34.13	39.9
Bartlett's X2			0.0	1.482	26.731	3.879	2.55	13.914	6.351	0.793
P(Bartlett's X2)			.	0.686	0.001*	0.567	0.769	0.016*	0.274	0.977

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

## University of Georgia

Weed Code	plant 7	plant av	plant 1	plant 2	plant 3	plant 4	plant 5	plant 6			
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA			
Part Rated	seeded	seeded	seeded	seeded	seeded	seeded	seeded	seeded			
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Aug-26-08	Aug-26-08	Sep-09-08	Sep-09-08	Sep-09-08	Sep-09-08	Sep-09-08	Sep-09-08			
Crop Stage											
Assessed By											
Trt-Eval Interval	181 DA-A	181 DA-A	195 DA-A	195 DA-A	195 DA-A	195 DA-A	195 DA-A	195 DA-A			
ARM Action Codes			T7								
Trt	Treatment	Rate									
No.	Name	Rate	Unit	90	91	93	94	95	96	97	98
1	V-10142	0.3	LB A/A	9 ab	11 a	46 a	76 a	75 a	70 ab	58 a	54 a
2	V-10142	0.4	LB A/A	12 a	13 a	60 a	67 a	63 a	77 ab	75 a	65 a
3	V-10142	0.3	LB A/A	13 a	11 a	71 a	68 a	57 a	55 b	66 a	61 a
4	V-10142	0.4	LB A/A	12 a	12 a	62 a	71 a	91 a	72 ab	76 a	74 a
5	V-10142	0.4	LB A/A	13 a	12 a	58 a	57 a	75 a	69 ab	68 a	62 a
	V-10142	0.4	LB A/A								
6	Non-treated			7 b	10 a	71 a	66 a	56 a	92 a	62 a	82 a
LSD (P=.05)				4.2	4.2	34.3	27.7	33.3	26.4	30.0	26.8
Standard Deviation				2.8	2.8	22.8	18.4	22.1	17.5	19.9	17.8
CV				25.91	23.97	37.19	27.28	31.87	24.24	29.56	26.88
Bartlett's X2				2.647	7.552	1.798	11.975	2.859	5.179	11.448	5.693
P(Bartlett's X2)				0.754	0.183	0.876	0.035*	0.722	0.394	0.043*	0.337

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

Column 83: T7 = @AVG([C84].[C90])

## University of Georgia

Weed Code	plant 7 CUMSA	plant av CUMSA	plant 1 CUMSA	plant 2 CUMSA	plant 3 CUMSA	plant 4 CUMSA	plant 5 CUMSA	plant 6 CUMSA	
Crop Code	seeded	seeded							
Part Rated	ht	ht	ht	ht	ht	ht	ht	ht	
Rating Data Type	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Unit	Sep-09-08	Sep-09-08	Aug-26-08	Aug-26-08	Aug-26-08	Aug-26-08	Aug-26-08	Aug-26-08	
Rating Date									
Crop Stage									
Assessed By	195 DA-A	195 DA-A	181 DA-A	181 DA-A	181 DA-A	181 DA-A	181 DA-A	181 DA-A	
Trt-Eval Interval									
ARM Action Codes		T43							
Trt Treatment	Rate								
No. Name	Rate Unit	99	100	102	103	104	105	106	107
1 V-10142	0.3 LB A/A	68 ab	64 a	35 a	33 ab	39 a	37 a	40 a	36 a
2 V-10142	0.4 LB A/A	80 a	70 a	35 a	37 ab	41 a	35 a	41 a	36 a
3 V-10142	0.3 LB A/A	77 ab	65 a	34 a	32 ab	36 a	33 a	41 a	41 a
4 V-10142	0.4 LB A/A	76 ab	74 a	37 a	29 b	34 a	36 a	33 a	34 a
5 V-10142	0.4 LB A/A	71 ab	66 a	31 a	40 a	36 a	37 a	39 a	38 a
V-10142	0.4 LB A/A								
6 Non-treated		51 b	68 a	35 a	33 ab	33 a	36 a	36 a	39 a
LSD (P=.05)		26.1	15.5	10.7	9.7	10.4	7.7	9.6	12.7
Standard Deviation		17.3	10.3	7.1	6.5	6.9	5.1	6.4	8.4
CV		24.65	15.17	20.7	19.15	18.98	14.29	16.69	22.66
Bartlett's X2		6.326	7.972	2.887	10.815	7.102	2.159	0.914	5.739
P(Bartlett's X2)		0.276	0.158	0.717	0.055	0.213	0.827	0.969	0.332

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

Column 91: T43 = @AVG([C93].[C99])

## University of Georgia

Weed Code	plant 7 CUMSA	plant av CUMSA	plant 1 CUMSA	plant 2 CUMSA	plant 3 CUMSA	plant 4 CUMSA	plant 5 CUMSA	plant av CUMSA	
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	Aug-26-08	Aug-26-08	Sep-09-08	Sep-09-08	Sep-09-08	Sep-09-08	Sep-09-08	Sep-09-08	
Crop Stage									
Assessed By									
Trt-Eval Interval	181 DA-A	181 DA-A	195 DA-A	195 DA-A	195 DA-A	195 DA-A	195 DA-A	195 DA-A	
ARM Action Codes		T8						T44	
Trt Treatment									
No. Name	108	109	111	112	113	114	115	116	
Rate									
Unit									
1 V-10142	0.3 LB A/A	30 a	36 a	131 a	119 a	109 a	115 a	103 a	115 a
2 V-10142	0.4 LB A/A	38 a	37 a	114 a	98 a	117 a	108 a	116 a	110 a
3 V-10142	0.3 LB A/A	39 a	36 a	112 a	118 a	134 a	140 a	123 a	125 a
4 V-10142	0.4 LB A/A	36 a	34 a	95 a	110 a	114 a	110 a	114 a	108 a
5 V-10142	0.4 LB A/A	37 a	37 a	108 a	121 a	126 a	128 a	125 a	122 a
V-10142	0.4 LB A/A								
6 Non-treated		37 a	36 a	115 a	114 a	113 a	128 a	113 a	117 a
LSD (P=.05)	9.8	5.2	45.6	44.2	25.1	35.4	37.3	15.2	
Standard Deviation	6.5	3.5	30.3	29.4	16.7	23.5	24.8	10.1	
CV	18.03	9.63	26.92	25.98	14.06	19.37	21.44	8.68	
Bartlett's X2	4.593	7.212	7.467	0.665	4.377	0.809	1.344	4.425	
P(Bartlett's X2)	0.468	0.205	0.188	0.985	0.496	0.976	0.93	0.49	

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

Column 99: T8 = @AVG([C102].[C108])

Column 105: T44 = @AVG([C111].[C115])

## University of Georgia

Weed Code	plant 1	plant 2	plant 3	plant 4	plant 5	plant 6	plant av	plant 1			
Crop Code	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE			
Part Rated	seeded	seeded	seeded	seeded	seeded	seeded	seeded	seeded			
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Aug-26-08	Aug-26-08	Aug-26-08	Aug-26-08	Aug-26-08	Aug-26-08	Aug-26-08	Sep-09-08			
Crop Stage											
Assessed By											
Trt-Eval Interval	181 DA-A	181 DA-A	181 DA-A	181 DA-A	181 DA-A	181 DA-A	181 DA-A	195 DA-A			
ARM Action Codes							T45				
Trt	Treatment	Rate									
No.	Name	Rate	Unit	118	119	120	121	122	123	124	126
1	V-10142	0.3	LB A/A	10 a	10 a	8 ab	10 ab	9 a	8 a	9 ab	37 a
2	V-10142	0.4	LB A/A	11 a	10 a	10 ab	11 ab	9 a	9 a	10 ab	28 a
3	V-10142	0.3	LB A/A	9 a	8 a	8 b	7 b	10 a	8 a	8 b	35 a
4	V-10142	0.4	LB A/A	11 a	11 a	8 b	9 ab	12 a	9 a	10 ab	40 a
5	V-10142	0.4	LB A/A	9 a	9 a	12 a	14 a	11 a	12 a	11 a	28 a
	V-10142	0.4	LB A/A								
6	Non-treated			12 a	11 a	10 ab	10 ab	11 a	8 a	10 ab	37 a
LSD (P=.05)				4.8	5.6	3.6	4.3	4.8	4.4	2.4	12.0
Standard Deviation				3.2	3.7	2.4	2.8	3.2	2.9	1.6	8.0
CV				31.78	38.43	26.03	28.34	31.68	32.47	16.68	23.31
Bartlett's X2				3.222	13.522	3.731	4.034	11.209	6.567	6.882	4.221
P(Bartlett's X2)				0.666	0.019*	0.589	0.545	0.047*	0.255	0.23	0.518

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

Column 112: T45 = @AVG([C118].[C123])



## University of Georgia

Weed Code	plant 2 CUUPE	plant 3 CUUPE	plant 4 CUUPE	plant 5 CUUPE	plant av CUUPE	plant 1 CUUPE	plant 2 CUUPE	plant 3 CUUPE	
Crop Code	seeded	seeded	seeded	seeded	seeded	seeded	seeded	seeded	
Part Rated	ht	ht	ht	ht	ht	ht	ht	ht	
Rating Data Type	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Unit	Sep-09-08	Sep-09-08	Sep-09-08	Sep-09-08	Sep-09-08	Aug-26-08	Aug-26-08	Aug-26-08	
Rating Date									
Crop Stage									
Assessed By	195 DA-A	195 DA-A	195 DA-A	195 DA-A	195 DA-A	181 DA-A	181 DA-A	181 DA-A	
Trt-Eval Interval									
ARM Action Codes					T46				
Trt Treatment	Rate								
No. Name	Rate Unit	127	128	129	130	131	133	134	135
1 V-10142	0.3 LB A/A	35 a	32 a	41 ab	41 a	37 a	17 a	16 a	15 c
2 V-10142	0.4 LB A/A	32 a	32 a	31 b	31 a	31 a	16 a	19 a	18 bc
3 V-10142	0.3 LB A/A	33 a	36 a	33 ab	33 a	34 a	20 a	20 a	18 bc
4 V-10142	0.4 LB A/A	37 a	35 a	35 ab	32 a	36 a	22 a	23 a	23 ab
5 V-10142	0.4 LB A/A	30 a	32 a	33 ab	30 a	31 a	21 a	20 a	19 bc
V-10142	0.4 LB A/A								
6 Non-treated		40 a	40 a	42 a	32 a	38 a	21 a	25 a	29 a
LSD (P=.05)		9.0	11.3	9.9	15.8	8.6	8.6	9.1	7.0
Standard Deviation		6.0	7.5	6.5	10.5	5.7	5.7	6.1	4.7
CV		17.41	21.73	18.45	31.77	16.65	29.22	29.56	22.83
Bartlett's X2		10.921	3.813	24.172	6.725	16.751	5.536	16.079	6.807
P(Bartlett's X2)		0.053	0.577	0.001*	0.242	0.005*	0.354	0.007*	0.235

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

Column 118: T46 = @AVG([C126].[C130])

## University of Georgia

Weed Code	plant 4	plant 5	plant 6	plant 7	plant av	plant 1	plant 2	plant 3
Crop Code	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE
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	Aug-26-08	Aug-26-08	Aug-26-08	Aug-26-08	Aug-26-08	Sep-09-08	Sep-09-08	Sep-09-08
Crop Stage								
Assessed By								
Trt-Eval Interval	181 DA-A	181 DA-A	181 DA-A	181 DA-A	181 DA-A	195 DA-A	195 DA-A	195 DA-A
ARM Action Codes					T9			
Trt Treatment								
Rate								
No. Name	136	137	138	139	140	141	142	143
1 V-10142 0.3 LB A/A	17 c	18 b	21 a	22 a	18 b	45 b	46 b	52 a
2 V-10142 0.4 LB A/A	21 abc	18 b	19 a	18 a	18 b	45 b	54 b	52 a
3 V-10142 0.3 LB A/A	19 bc	17 b	20 a	18 a	19 ab	50 ab	52 b	53 a
4 V-10142 0.4 LB A/A	24 ab	21 ab	19 a	19 a	22 ab	59 a	55 b	53 a
5 V-10142 0.4 LB A/A	19 bc	22 ab	20 a	20 a	20 ab	55 ab	55 b	47 a
V-10142 0.4 LB A/A								
6 Non-treated	27 a	25 a	24 a	24 a	25 a	56 ab	65 a	58 a
LSD (P=.05)	6.4	5.8	6.3	8.5	6.0	10.6	9.6	10.3
Standard Deviation	4.2	3.9	4.2	5.7	4.0	7.0	6.4	6.8
CV	20.04	19.15	20.34	28.13	19.54	13.68	11.71	13.12
Bartlett's X2	2.432	5.15	2.736	4.04	9.623	1.983	6.703	2.687
P(Bartlett's X2)	0.787	0.398	0.741	0.544	0.087	0.851	0.244	0.748

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

Column 126: T9 = @AVG([C133].[C139])

## University of Georgia

Weed Code	plant 4	plant 5	plant 6	plant 7	plant av	plant 1	plant 2	plant 3			
Crop Code	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	BR SOL	BR SOL	BR SOL			
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	Sep-09-08	Sep-09-08	Sep-09-08	Sep-09-08	Sep-09-08	Aug-26-08	Aug-26-08	Aug-26-08			
Crop Stage											
Assessed By											
Trt-Eval Interval	195 DA-A	195 DA-A	195 DA-A	195 DA-A	195 DA-A	181 DA-A	181 DA-A	181 DA-A			
ARM Action Codes					T10						
Trt	Treatment	Rate									
No.	Name	Rate	Unit	144	145	146	147	148	150	151	152
1	V-10142	0.3	LB A/A	52 a	48 a	53 ab	55 ab	50 b	10 a	9 bc	11 a
2	V-10142	0.4	LB A/A	48 a	55 a	53 ab	50 b	51 b	13 a	13 a	11 a
3	V-10142	0.3	LB A/A	55 a	52 a	49 b	50 b	51 b	12 a	12 ab	11 a
4	V-10142	0.4	LB A/A	52 a	55 a	58 ab	58 ab	56 ab	8 a	9 c	8 a
5	V-10142	0.4	LB A/A	56 a	54 a	59 a	55 ab	54 ab	10 a	11 abc	11 a
	V-10142	0.4	LB A/A								
6	Non-treated			55 a	58 a	61 a	63 a	59 a	12 a	11 abc	11 a
LSD (P=.05)				9.2	9.6	8.1	11.2	6.3	5.0	2.8	3.6
Standard Deviation				6.1	6.4	5.4	7.4	4.2	3.3	1.9	2.4
CV				11.56	11.93	9.77	13.56	7.78	30.7	17.33	22.98
Bartlett's X2				0.893	9.049	1.036	4.326	4.509	7.475	4.664	1.584
P(Bartlett's X2)				0.971	0.107	0.96	0.504	0.479	0.188	0.458	0.903

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

Column 134: T10 = @AVG([C141].[C147])

## University of Georgia

Weed Code	plant 4	plant 5	plant 6	plant 7	plant av	plant 1	plant 2	plant 3	
Crop Code	BRSOL	BRSOL	BRSOL	BRSOL	BRSOL	BRSOL	BRSOL	BRSOL	
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	Aug-26-08	Aug-26-08	Aug-26-08	Aug-26-08	Aug-26-08	Sep-09-08	Sep-09-08	Sep-09-08	
Crop Stage									
Assessed By									
Trt-Eval Interval	181 DA-A	181 DA-A	181 DA-A	181 DA-A	181 DA-A	195 DA-A	195 DA-A	195 DA-A	
ARM Action Codes					T11				
Trt Treatment									
No. Name	153	154	155	156	157	159	160	161	
Rate									
Rate Unit									
1 V-10142	0.3 LB A/A	12 a	11 a	11 a	11 a	11 a	17 a	20 a	18 a
2 V-10142	0.4 LB A/A	11 a	11 a	13 a	12 a	12 a	20 a	18 a	17 a
3 V-10142	0.3 LB A/A	13 a	12 a	14 a	13 a	12 a	19 a	19 a	20 a
4 V-10142	0.4 LB A/A	11 a	11 a	11 a	13 a	10 a	18 a	16 a	16 a
5 V-10142	0.4 LB A/A	10 a	10 a	11 a	11 a	10 a	14 a	20 a	19 a
V-10142	0.4 LB A/A								
6 Non-treated		11 a	10 a	12 a	11 a	11 a	19 a	19 a	20 a
LSD (P=.05)	3.6	4.9	3.7	4.6	2.3	6.1	6.3	4.3	
Standard Deviation	2.4	3.2	2.4	3.1	1.5	4.0	4.2	2.9	
CV	21.33	30.32	20.68	26.59	13.58	22.96	22.55	15.57	
Bartlett's X2	1.147	1.91	3.614	8.286	4.282	6.613	4.509	1.818	
P(Bartlett's X2)	0.95	0.861	0.606	0.141	0.51	0.251	0.479	0.874	

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

Column 142: T11 = @AVG([C150].[C156])

## University of Georgia

Weed Code	plant 4	plant 5	plant 6	plant 7	plant av	plant 1	plant 2	plant 3	
Crop Code	BRSOL	BRSOL	BRSOL	BRSOL	BRSOL	BRSOA	BRSOA	BRSOA	
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	Sep-09-08	Sep-09-08	Sep-09-08	Sep-09-08	Sep-09-08	Aug-26-08	Aug-26-08	Aug-26-08	
Crop Stage									
Assessed By									
Trt-Eval Interval	195 DA-A	195 DA-A	195 DA-A	195 DA-A	195 DA-A	181 DA-A	181 DA-A	181 DA-A	
ARM Action Codes					T12				
Trt Treatment									
No. Name	162	163	164	165	166	168	169	170	
Rate									
Rate Unit									
1 V-10142	0.3 LB A/A	19 a	19 a	18 abc	19 ab	18 a	15 a	15 a	13 a
2 V-10142	0.4 LB A/A	20 a	17 a	22 a	18 ab	19 a	16 a	14 a	16 a
3 V-10142	0.3 LB A/A	20 a	16 a	21 ab	23 a	20 a	17 a	15 a	16 a
4 V-10142	0.4 LB A/A	12 a	17 a	19 abc	20 ab	17 a	14 a	15 a	17 a
5 V-10142	0.4 LB A/A	18 a	15 a	15 c	19 ab	17 a	15 a	14 a	14 a
V-10142	0.4 LB A/A								
6 Non-treated		18 a	19 a	17 bc	12 b	18 a	11 a	12 a	17 a
LSD (P=.05)	7.6	5.5	4.6	8.0	3.5	7.9	5.6	4.6	
Standard Deviation	5.1	3.7	3.1	5.3	2.3	5.2	3.7	3.1	
CV	28.61	21.4	16.42	28.78	13.01	36.38	26.54	19.76	
Bartlett's X2	7.072	3.272	3.644	6.886	10.02	2.808	1.518	3.681	
P(Bartlett's X2)	0.215	0.658	0.602	0.229	0.075	0.73	0.911	0.596	

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

Column 150: T12 = @AVG([C159].[C165])

## University of Georgia

Weed Code	plant 4 BRSOA	plant 5 BRSOA	plant 6 BRSOA	plant av BRSOA	plant 1 BRSOA	plant 2 BRSOA	plant 3 BRSOA	plant 4 BRSOA	
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	Aug-26-08	Aug-26-08	Aug-26-08	Aug-26-08	Sep-09-08	Sep-09-08	Sep-09-08	Sep-09-08	
Crop Stage									
Assessed By									
Trt-Eval Interval	181 DA-A	181 DA-A	181 DA-A	181 DA-A	195 DA-A	195 DA-A	195 DA-A	195 DA-A	
ARM Action Codes				T13					
Trt Treatment									
No. Name	171	172	173	174	176	177	178	179	
Rate									
Unit									
1 V-10142	0.3 LB A/A	14 a	13 a	12 ab	14 a	27 ab	22 a	24 a	22 b
2 V-10142	0.4 LB A/A	19 a	17 a	18 a	17 a	29 ab	29 a	36 a	35 a
3 V-10142	0.3 LB A/A	16 a	16 a	16 ab	16 a	35 a	33 a	35 a	28 ab
4 V-10142	0.4 LB A/A	16 a	14 a	14 ab	15 a	26 ab	24 a	25 a	31 a
5 V-10142	0.4 LB A/A	13 a	13 a	17 ab	14 a	29 ab	23 a	25 a	32 a
V-10142	0.4 LB A/A								
6 Non-treated		14 a	13 a	11 b	13 a	21 b	25 a	27 a	31 a
LSD (P=.05)	5.9	6.3	5.5	3.6	12.9	15.4	11.7	8.4	
Standard Deviation	3.9	4.2	3.7	2.4	8.6	10.2	7.8	5.6	
CV	26.0	28.91	25.31	16.22	31.09	39.38	27.22	18.71	
Bartlett's X2	13.223	18.529	3.127	6.227	6.848	5.694	3.355	4.688	
P(Bartlett's X2)	0.021*	0.002*	0.68	0.285	0.232	0.337	0.646	0.455	

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

Column 157: T13 = @AVG([C168].[C173])

## University of Georgia

Weed Code	plant 5	plant 6	plant av	harv 1	harv 1	harv 2	harv 2	harv 3	
Crop Code	BRSOA	BRSOA	BRSOA	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	
Part Rated				fruit	fruit	fruit	fruit	fruit	
Rating Data Type	ht	ht	ht	#	wt	#	wt	#	
Rating Unit	cm	cm	cm	per plot	lb	per plot	lb	per plot	
Rating Date	Sep-09-08	Sep-09-08	Sep-09-08	Sep-02-08	Sep-02-08	Sep-05-08	Sep-05-08	Sep-08-08	
Crop Stage									
Assessed By									
Trt-Eval Interval	195 DA-A	195 DA-A	195 DA-A	188 DA-A	188 DA-A	191 DA-A	191 DA-A	194 DA-A	
ARM Action Codes			T14						
Trt Treatment									
No. Name									
Rate	180	181	182	184	185	186	187	188	
Rate Unit									
1 V-10142	0.3 LB A/A	23 a	26 a	24 b	1 b	0 a	4 a	1 a	7 a
2 V-10142	0.4 LB A/A	25 a	29 a	30 a	1 b	0 a	5 a	1 a	6 a
3 V-10142	0.3 LB A/A	22 a	35 a	31 a	3 ab	0 a	6 a	1 a	6 a
4 V-10142	0.4 LB A/A	31 a	29 a	28 ab	3 ab	0 a	6 a	1 a	8 a
5 V-10142	0.4 LB A/A	29 a	30 a	28 ab	1 b	0 a	5 a	1 a	6 a
V-10142	0.4 LB A/A								
6 Non-treated		27 a	26 a	26 ab	5 a	1 a	7 a	2 a	6 a
LSD (P=.05)		12.7	9.9	5.2	2.5	0.5	3.9	1.0	4.2
Standard Deviation		8.5	6.6	3.4	1.7	0.3	2.6	0.6	2.8
CV		32.38	22.88	12.31	71.71	110.35	47.23	53.11	45.51
Bartlett's X2		6.69	0.513	2.438	10.466	18.027	6.119	19.605	4.034
P(Bartlett's X2)		0.245	0.992	0.786	0.063	0.003*	0.295	0.001*	0.545

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

Column 164: T14 = @AVG([C176].[C181])

## University of Georgia

Weed Code	harv 3	harv 4	harv 4	harv 5	harv 5	harv 6	harv 6	harv 6	
Crop Code	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	
Part Rated	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	
Rating Data Type	wt	#	wt	#	wt	#	wt	oversize #	
Rating Unit	lb	per plot	lb	per plot	lb	per plot	lb	per plot	
Rating Date	Sep-08-08	Sep-10-08	Sep-10-08	Sep-12-08	Sep-12-08	Sep-15-08	Sep-15-08	Sep-15-08	
Crop Stage									
Assessed By									
Trt-Eval Interval	194 DA-A	196 DA-A	196 DA-A	198 DA-A	198 DA-A	201 DA-A	201 DA-A	201 DA-A	
ARM Action Codes									
Trt Treatment									
No. Name									
Rate									
Unit									
	189	190	191	192	193	194	195	196	
1 V-10142	0.3 LB A/A	2 a	7 a	2 ab	2 a	1 a	2 b	0 a	3 a
2 V-10142	0.4 LB A/A	2 a	5 a	1 b	3 a	1 a	3 ab	1 a	3 a
3 V-10142	0.3 LB A/A	2 a	6 a	2 ab	3 a	1 a	5 a	1 a	3 a
4 V-10142	0.4 LB A/A	3 a	7 a	3 a	3 a	1 a	4 ab	1 a	3 a
5 V-10142	0.4 LB A/A	2 a	6 a	2 ab	2 a	1 a	3 ab	1 a	2 a
V-10142	0.4 LB A/A								
6 Non-treated		2 a	7 a	2 a	3 a	1 a	3 b	1 a	3 a
LSD (P=.05)		1.7	2.8	1.0	2.4	1.1	2.2	0.7	2.8
Standard Deviation		1.1	1.9	0.7	1.6	0.7	1.4	0.5	1.8
CV		53.73	30.41	32.34	60.73	86.22	44.54	60.64	65.92
Bartlett's X2		6.366	6.045	2.033	3.391	6.234	1.399	1.684	1.958
P(Bartlett's X2)		0.272	0.302	0.845	0.64	0.284	0.924	0.891	0.855

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 10	harv 10
Crop Code	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE
Part Rated	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit
Rating Data Type	#	wt	#	wt	#	wt	#	wt
Rating Unit	per plot	lb	per plot	lb	per plot	lb	per plot	lb
Rating Date	Sep-17-08	Sep-17-08	Sep-19-08	Sep-19-08	Sep-22-08	Sep-22-08	Sep-24-08	Sep-24-08
Crop Stage								
Assessed By								
Trt-Eval Interval	203 DA-A	203 DA-A	205 DA-A	205 DA-A	208 DA-A	208 DA-A	210 DA-A	210 DA-A
ARM Action Codes								
Trt Treatment								
No. Name								
Rate								
Unit								
	197	198	199	200	201	202	203	204
1 V-10142 0.3 LB A/A	5 a	1 a	6 a	1 ab	12 ab	3 ab	8 a	2 b
2 V-10142 0.4 LB A/A	5 a	1 a	3 a	1 b	9 b	2 b	12 a	3 b
3 V-10142 0.3 LB A/A	6 a	1 a	5 a	1 b	10 b	2 b	12 a	3 b
4 V-10142 0.4 LB A/A	5 a	1 a	7 a	2 ab	12 ab	3 ab	11 a	3 b
5 V-10142 0.4 LB A/A	6 a	1 a	8 a	1 ab	12 ab	3 ab	11 a	3 b
V-10142 0.4 LB A/A								
6 Non-treated	5 a	1 a	7 a	2 a	14 a	4 a	14 a	4 a
LSD (P=.05)	3.7	0.6	4.7	1.0	3.9	1.5	5.6	1.2
Standard Deviation	2.4	0.4	3.1	0.6	2.6	1.0	3.7	0.8
CV	46.4	38.93	51.76	52.52	23.03	34.44	33.09	25.75
Bartlett's X2	1.392	1.151	5.159	4.844	3.356	6.127	4.307	1.495
P(Bartlett's X2)	0.925	0.949	0.397	0.435	0.645	0.294	0.506	0.914

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

## University of Georgia

Weed Code	harv 11	harv 11	harv 12	harv 12	harv 1-4	harv 1-4	harv 1-8	harv 1-8	
Crop Code	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	
Part Rated	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	
Rating Data Type	#	wt	#	wt	#	wt	#	wt	
Rating Unit	per plot	lb	per plot	lb	per plot	lb	per plot	lb	
Rating Date	Sep-26-08	Sep-26-08	Sep-29-08	Sep-29-08	Sep-29-08	Sep-29-08	Sep-29-08	Sep-29-08	
Crop Stage									
Assessed By									
Trt-Eval Interval	212 DA-A	212 DA-A	215 DA-A	215 DA-A	215 DA-A	215 DA-A	215 DA-A	215 DA-A	
ARM Action Codes					T15	T16	T17	T18	
Trt Treatment									
No. Name	205	206	207	208	209	210	211	212	
Rate									
Rate Unit									
1 V-10142	0.3 LB A/A	10 a	3 ab	12 a	3 a	18 ab	5 bc	33 a	37 ab
2 V-10142	0.4 LB A/A	11 a	2 ab	12 a	3 a	17 b	5 c	31 a	34 b
3 V-10142	0.3 LB A/A	9 a	2 ab	16 a	5 a	20 ab	5 abc	39 a	43 ab
4 V-10142	0.4 LB A/A	10 a	2 b	11 a	3 a	23 ab	7 a	42 a	46 ab
5 V-10142	0.4 LB A/A	10 a	2 b	11 a	4 a	19 ab	5 abc	37 a	40 ab
V-10142	0.4 LB A/A								
6 Non-treated		14 a	3 a	11 a	4 a	24 a	7 ab	42 a	47 a
LSD (P=.05)		4.8	1.0	7.8	1.8	6.4	2.1	10.4	11.5
Standard Deviation		3.2	0.7	5.2	1.2	4.2	1.4	6.9	7.6
CV		30.7	28.51	42.96	33.73	21.07	24.23	18.49	18.58
Bartlett's X2		3.158	1.482	24.949	23.031	11.45	6.786	9.127	9.161
P(Bartlett's X2)		0.676	0.915	0.001*	0.001*	0.043*	0.237	0.104	0.103

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

Column 190: T15 = ([C184]+[C186]+[C188]+[C190])

Column 191: T16 = ([C185]+[C187]+[C189]+[C191])

Column 192: T17 = ([C209]+[C192]+[C194]+[C197]+[C199])

Column 193: T18 = ([C211]+[C193]+[C195]+[C198]+[C200])

## University of Georgia

Weed Code	harv1-12	harv1-12	harv 1	harv 1	harv 2	harv 2	harv 3	harv 3	
Crop Code	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	
Part Rated	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	
Rating Data Type	#	wt	#	wt	#	wt	#	wt	
Rating Unit	per plot	lb	per plot	lb	per plot	lb	per plot	lb	
Rating Date	Sep-29-08	Sep-29-08	Sep-08-08	Sep-08-08	Sep-10-08	Sep-10-08	Sep-12-08	Sep-12-08	
Crop Stage			seeded	seeded	seeded	seeded	seeded	seeded	
Assessed By									
Trt-Eval Interval	215 DA-A	215 DA-A	194 DA-A	194 DA-A	196 DA-A	196 DA-A	198 DA-A	198 DA-A	
ARM Action Codes	T19	T20							
Trt Treatment									
No. Name									
Rate									
Rate Unit									
	213	214	216	217	218	219	220	221	
1 V-10142	0.3 LB A/A	75 a	48 b	2 a	0 a	5 a	1 a	3 a	1 a
2 V-10142	0.4 LB A/A	74 a	44 b	2 a	0 a	4 a	1 a	2 a	0 a
3 V-10142	0.3 LB A/A	86 a	55 ab	2 a	0 a	6 a	1 a	2 a	0 a
4 V-10142	0.4 LB A/A	85 a	57 ab	2 a	0 a	7 a	2 a	3 a	1 a
5 V-10142	0.4 LB A/A	80 a	51 ab	1 a	0 a	6 a	1 a	3 a	0 a
V-10142	0.4 LB A/A								
6 Non-treated		95 a	62 a	2 a	0 a	7 a	1 a	4 a	1 a
LSD (P=.05)		19.4	13.2	2.3	0.5	4.6	1.0	2.3	0.6
Standard Deviation		12.8	8.7	1.5	0.3	3.1	0.7	1.5	0.4
CV		15.62	16.53	85.61	99.48	55.65	62.81	57.01	75.87
Bartlett's X2		15.4	6.939	4.435	7.539	8.039	1.756	4.762	9.056
P(Bartlett's X2)		0.009*	0.225	0.489	0.184	0.154	0.882	0.446	0.107

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

Column 194: T19 = ([C211]+[C201]+[C203]+[C205]+[C207])

Column 195: T20 = ([C212]+[C202]+[C204]+[C206]+[C208])

## University of Georgia

Weed Code	harv 4	harv 4	harv 5	harv 5	harv 6	harv 6	harv 7	harv 7	
Crop Code	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	
Part Rated	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	
Rating Data Type	#	wt	#	wt	#	wt	#	wt	
Rating Unit	per plot	lb	per plot	lb	per plot	lb	per plot	lb	
Rating Date	Sep-15-08	Sep-15-08	Sep-17-08	Sep-17-08	Sep-19-08	Sep-19-08	Sep-22-08	Sep-22-08	
Crop Stage	seeded	seeded	seeded	seeded	seeded	seeded	seeded	seeded	
Assessed By									
Trt-Eval Interval	201 DA-A	201 DA-A	203 DA-A	203 DA-A	205 DA-A	205 DA-A	208 DA-A	208 DA-A	
ARM Action Codes									
Trt Treatment									
No. Name									
Rate									
Unit									
	222	223	224	225	226	227	228	229	
1 V-10142	0.3 LB A/A	5 a	2 a	6 a	2 a	4 a	1 a	6 ab	1 a
2 V-10142	0.4 LB A/A	5 a	2 a	8 a	2 a	6 a	1 a	7 ab	2 a
3 V-10142	0.3 LB A/A	7 a	2 a	6 a	1 a	6 a	1 a	5 b	1 a
4 V-10142	0.4 LB A/A	7 a	2 a	7 a	2 a	7 a	2 a	8 ab	2 a
5 V-10142	0.4 LB A/A	6 a	2 a	8 a	2 a	6 a	1 a	6 ab	1 a
V-10142	0.4 LB A/A								
6 Non-treated		8 a	2 a	6 a	1 a	7 a	1 a	10 a	3 a
LSD (P=.05)		3.9	1.3	5.5	1.6	3.2	0.9	4.2	1.3
Standard Deviation		2.6	0.9	3.6	1.0	2.1	0.6	2.8	0.9
CV		41.65	45.54	54.95	58.73	36.27	58.46	39.51	48.98
Bartlett's X2		4.148	10.449	11.143	10.02	5.231	5.576	8.384	7.039
P(Bartlett's X2)		0.528	0.063	0.049*	0.075	0.388	0.35	0.136	0.218

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

# University of Georgia

Weed Code	harv 8	harv 8	harv 9	harv 9	harv 10	harv 10	harv 11	harv 11	
Crop Code	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	
Part Rated	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	
Rating Data Type	#	wt	#	wt	#	wt	#	wt	
Rating Unit	per plot	lb	per plot	lb	per plot	lb	per plot	lb	
Rating Date	Sep-24-08	Sep-24-08	Sep-26-08	Sep-26-08	Sep-29-08	Sep-29-08	Oct-01-08	Oct-01-08	
Crop Stage	seeded	seeded	seeded	seeded	seeded	seeded	seeded	seeded	
Assessed By									
Trt-Eval Interval	210 DA-A	210 DA-A	212 DA-A	212 DA-A	215 DA-A	215 DA-A	217 DA-A	217 DA-A	
ARM Action Codes									
Trt Treatment	Rate								
No. Name	Rate Unit	230	231	232	233	234	235	236	237
1 V-10142	0.3 LB A/A	8 a	2 a	8 a	1 a	12 a	3 a	9 a	2 a
2 V-10142	0.4 LB A/A	10 a	2 a	8 a	1 a	14 a	4 a	11 a	2 a
3 V-10142	0.3 LB A/A	10 a	2 a	7 a	2 a	12 a	4 a	10 a	2 a
4 V-10142	0.4 LB A/A	8 a	2 a	9 a	2 a	15 a	4 a	11 a	2 a
5 V-10142	0.4 LB A/A	8 a	2 a	10 a	2 a	15 a	5 a	6 a	1 a
V-10142	0.4 LB A/A								
6 Non-treated		11 a	3 a	9 a	2 a	13 a	3 a	6 a	1 a
LSD (P=.05)		5.0	1.2	5.8	1.0	7.6	2.0	6.2	1.5
Standard Deviation		3.3	0.8	3.9	0.7	5.1	1.3	4.1	1.0
CV		36.27	37.22	46.46	41.05	37.7	32.96	48.96	66.05
Bartlett's X2		6.97	2.355	3.194	2.026	4.062	12.519	6.076	8.228
P(Bartlett's X2)		0.223	0.798	0.67	0.846	0.54	0.028*	0.299	0.144

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

# University of Georgia

Weed Code	harv 12	harv 12	harv 1-4	harv 1-4	harv 1-8	harv 1-8	harv1-12	harv1-12	harv 1	
Crop Code	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE	CUMSA	
Part Rated	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	
Rating Data Type	#	wt	#	wt	#	wt	#	wt	#	
Rating Unit	per plot	lb	per plot	lb	per plot	lb	per plot	lb	per plot	
Rating Date	Oct-03-08	Oct-03-08	Oct-03-08	Oct-03-08	Oct-03-08	Oct-03-08	Oct-03-08	Oct-03-08	Sep-08-08	
Crop Stage	seeded	seeded	seeded	seeded	seeded	seeded	seeded	seeded		
Assessed By										
Trt-Eval Interval	219 DA-A	219 DA-A	219 DA-A	219 DA-A	219 DA-A	219 DA-A	219 DA-A	219 DA-A	194 DA-A	
ARM Action Codes			T21	T22	T23	T24	T25	T26		
Trt Treatment	Rate									
No. Name	Rate Unit	238	239	240	241	242	243	244	245	247
1 V-10142	0.3 LB A/A	9 a	1 a	15 a	3 a	40 a	9 a	77 a	17 a	4 a
2 V-10142	0.4 LB A/A	9 a	1 a	13 a	3 a	43 a	10 a	85 a	19 a	6 a
3 V-10142	0.3 LB A/A	7 a	1 a	16 a	3 a	43 a	10 a	78 a	18 a	6 a
4 V-10142	0.4 LB A/A	6 a	1 a	18 a	5 a	47 a	12 a	87 a	21 a	6 a
5 V-10142	0.4 LB A/A	7 a	1 a	15 a	4 a	43 a	10 a	80 a	18 a	8 a
V-10142	0.4 LB A/A									
6 Non-treated		10 a	1 a	20 a	5 a	54 a	13 a	90 a	20 a	6 a
LSD (P=.05)		5.2	1.2	9.7	2.4	18.5	5.0	28.4	7.5	5.0
Standard Deviation		3.4	0.8	6.4	1.6	12.3	3.3	18.8	5.0	3.3
CV		44.12	64.39	39.68	41.28	27.37	31.51	22.72	26.56	56.06
Bartlett's X2		6.159	3.128	2.904	4.507	5.963	2.586	0.996	7.465	2.524
P(Bartlett's X2)		0.291	0.68	0.715	0.479	0.31	0.764	0.963	0.188	0.773

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

Column 220: T21 = ([C216]+[C218]+[C220]+[C222])

Column 221: T22 = ([C217]+[C219]+[C221]+[C223])

Column 222: T23 = ([C240]+[C224]+[C226]+[C228]+[C230])

Column 223: T24 = ([C241]+[C225]+[C227]+[C229]+[C231])

Column 224: T25 = ([C242]+[C232]+[C234]+[C236]+[C238])

Column 225: T26 = ([C243]+[C233]+[C235]+[C237]+[C239])

## University of Georgia

Weed Code	harv 1	harv 2	harv 2	harv 3	harv 3	harv 4	harv 4	harv 5
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA
Part Rated	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit
Rating Data Type	wt	#	wt	#	wt	#	wt	#
Rating Unit	lb	per plot	lb	per plot	lb	per plot	lb	per plot
Rating Date	Sep-08-08	Sep-10-08	Sep-10-08	Sep-12-08	Sep-12-08	Sep-15-08	Sep-15-08	Sep-17-08
Crop Stage								
Assessed By								
Trt-Eval Interval	194 DA-A	196 DA-A	196 DA-A	198 DA-A	198 DA-A	201 DA-A	201 DA-A	203 DA-A
ARM Action Codes								
Trt Treatment								
No. Name	248	249	250	251	252	253	254	255
Rate								
Unit								
1 V-10142 0.3 LB A/A	2 a	7 a	3 a	3 a	1 a	4 a	2 a	9 a
2 V-10142 0.4 LB A/A	3 a	9 a	4 a	3 a	1 a	4 a	2 a	8 a
3 V-10142 0.3 LB A/A	3 a	8 a	3 a	3 a	1 a	3 a	1 a	10 a
4 V-10142 0.4 LB A/A	2 a	8 a	3 a	4 a	2 a	3 a	1 a	6 a
5 V-10142 0.4 LB A/A	3 a	7 a	3 a	2 a	1 a	2 a	1 a	6 a
V-10142 0.4 LB A/A								
6 Non-treated	3 a	6 a	3 a	2 a	1 a	5 a	3 a	6 a
LSD (P=.05)	2.1	3.7	1.6	2.6	1.0	4.6	2.0	4.8
Standard Deviation	1.4	2.4	1.1	1.7	0.7	3.0	1.3	3.2
CV	56.22	33.5	34.01	62.97	54.17	89.48	88.79	43.18
Bartlett's X2	3.68	5.4	4.538	2.852	2.601	3.062	3.023	9.195
P(Bartlett's X2)	0.596	0.369	0.475	0.723	0.761	0.69	0.696	0.102

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

## University of Georgia

Weed Code	harv 5	harv 6	harv 6	harv 7	harv 7	harv 8	harv 8	harv 9			
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA			
Part Rated	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit			
Rating Data Type	wt	#	wt	#	wt	#	wt	#			
Rating Unit	lb	per plot	lb	per plot	lb	per plot	lb	per plot			
Rating Date	Sep-17-08	Sep-19-08	Sep-19-08	Sep-22-08	Sep-22-08	Sep-24-08	Sep-24-08	Sep-26-08			
Crop Stage											
Assessed By											
Trt-Eval Interval	203 DA-A	205 DA-A	205 DA-A	208 DA-A	208 DA-A	210 DA-A	210 DA-A	212 DA-A			
ARM Action Codes											
Trt	Treatment	Rate									
No.	Name	Rate	Unit	256	257	258	259	260	261	262	263
1	V-10142	0.3	LB A/A	3 a	4 a	2 a	3 a	1 b	3 a	1 a	9 a
2	V-10142	0.4	LB A/A	3 a	5 a	2 a	7 a	3 ab	5 a	2 a	6 a
3	V-10142	0.3	LB A/A	4 a	4 a	1 a	6 a	3 ab	4 a	1 a	8 a
4	V-10142	0.4	LB A/A	2 a	7 a	3 a	4 a	2 ab	5 a	2 a	8 a
5	V-10142	0.4	LB A/A	3 a	6 a	2 a	5 a	2 ab	5 a	2 a	6 a
	V-10142	0.4	LB A/A								
6	Non-treated			2 a	5 a	2 a	9 a	4 a	5 a	3 a	6 a
LSD (P=.05)				2.1	4.6	1.6	6.5	2.5	3.5	2.0	5.7
Standard Deviation				1.4	3.0	1.1	4.3	1.6	2.3	1.3	3.8
CV				46.2	59.9	54.92	77.61	63.55	54.34	71.01	53.99
Bartlett's X2				13.188	5.681	3.719	7.891	5.688	5.782	11.501	3.869
P(Bartlett's X2)				0.022*	0.338	0.591	0.162	0.338	0.328	0.042*	0.568

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



## University of Georgia

Weed Code	harv 9	harv 10	harv 10	harv 11	harv 11	harv 12	harv 12	harv 1-4		
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA		
Part Rated	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit		
Rating Data Type	wt	#	wt	#	wt	#	wt	#		
Rating Unit	lb	per plot	lb	per plot	lb	per plot	lb	per plot		
Rating Date	Sep-26-08	Sep-29-08	Sep-29-08	Oct-01-08	Oct-01-08	Oct-03-08	Oct-03-08	Oct-03-08		
Crop Stage										
Assessed By										
Trt-Eval Interval	212 DA-A	215 DA-A	215 DA-A	217 DA-A	217 DA-A	219 DA-A	219 DA-A	219 DA-A		
ARM Action Codes								T27		
Trt Treatment	Rate									
No. Name	Rate Unit	264	265	266	267	268	269	270	271	
1 V-10142	0.3 LB A/A	4 a	8 a	4 a	6 ab	3 a	5 a	2 a	18 a	
2 V-10142	0.4 LB A/A	2 a	11 a	5 a	4 b	2 a	7 a	3 a	21 a	
3 V-10142	0.3 LB A/A	4 a	9 a	4 a	7 a	3 a	5 a	2 a	20 a	
4 V-10142	0.4 LB A/A	3 a	11 a	5 a	3 b	1 a	6 a	2 a	21 a	
5 V-10142	0.4 LB A/A	2 a	7 a	3 a	4 ab	2 a	5 a	2 a	19 a	
V-10142	0.4 LB A/A									
6 Non-treated		3 a	10 a	5 a	5 ab	2 a	7 a	3 a	18 a	
LSD (P=.05)		2.2	6.1	2.6	3.2	1.6	5.2	2.1	6.1	
Standard Deviation		1.5	4.0	1.8	2.1	1.1	3.4	1.4	4.1	
CV		50.74	43.59	39.33	42.82	51.53	60.73	61.23	21.15	
Bartlett's X2		3.718	1.984	2.009	0.327	0.758	3.637	5.882	9.691	
P(Bartlett's X2)		0.591	0.851	0.848	0.997	0.98	0.603	0.318	0.084	

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

Column 250: T27 = ([C247]+[C249]+[C251]+[C253])

## University of Georgia

Weed Code	harv 1-4	harv 1-8	harv 1-8	harv1-12	harv1-12	harv 1	harv 1	harv 2	
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	
Part Rated	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	
Rating Data Type	wt	#	wt	#	wt	#	wt	#	
Rating Unit	lb	per plot	lb	per plot	lb	per plot	lb	per plot	
Rating Date	Oct-03-08	Oct-03-08	Oct-03-08	Oct-03-08	Oct-03-08	Sep-12-08	Sep-12-08	Sep-15-08	
Crop Stage						seeded	seeded	seeded	
Assessed By									
Trt-Eval Interval	219 DA-A	219 DA-A	219 DA-A	219 DA-A	219 DA-A	198 DA-A	198 DA-A	201 DA-A	
ARM Action Codes	T28	T29	T30	T31	T32				
Trt Treatment	Rate								
No. Name	Rate Unit	272	273	274	275	276	278	279	280
1 V-10142	0.3 LB A/A	8 a	36 a	15 b	63 a	27 a	2 ab	0 b	3 a
2 V-10142	0.4 LB A/A	9 a	46 a	19 ab	72 a	31 a	2 ab	1 ab	5 a
3 V-10142	0.3 LB A/A	9 a	44 a	19 ab	73 a	31 a	1 b	0 b	2 a
4 V-10142	0.4 LB A/A	9 a	42 a	17 ab	71 a	29 a	5 a	2 a	2 a
5 V-10142	0.4 LB A/A	8 a	41 a	17 ab	62 a	26 a	3 ab	1 ab	2 a
V-10142	0.4 LB A/A								
6 Non-treated		9 a	42 a	21 a	70 a	34 a	1 b	0 b	3 a
LSD (P=.05)		2.7	11.8	4.9	17.8	7.1	3.3	1.3	4.2
Standard Deviation		1.8	7.8	3.2	11.8	4.7	2.2	0.8	2.8
CV		20.88	18.84	18.08	17.25	15.9	93.24	105.18	106.0
Bartlett's X2		12.0	6.106	5.821	3.043	3.503	2.116	4.697	1.171
P(Bartlett's X2)		0.035*	0.296	0.324	0.693	0.623	0.833	0.454	0.948

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

Column 251: T28 = ([C248]+[C250]+[C252]+[C254])

Column 252: T29 = ([C271]+[C255]+[C257]+[C259]+[C261])

Column 253: T30 = ([C272]+[C256]+[C258]+[C260]+[C262])

Column 254: T31 = ([C273]+[C263]+[C265]+[C267]+[C269])

Column 255: T32 = ([C274]+[C264]+[C266]+[C268]+[C270])

## University of Georgia

Weed Code	harv 2	harv 3	harv 3	harv 4	harv 4	harv 5	harv 5	harv 6			
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA			
Part Rated	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit			
Rating Data Type	wt	#	wt	#	wt	#	wt	#			
Rating Unit	lb	per plot	lb	per plot	lb	per plot	lb	per plot			
Rating Date	Sep-15-08	Sep-17-08	Sep-17-08	Sep-19-08	Sep-19-08	Sep-22-08	Sep-22-08	Sep-24-08			
Crop Stage	seeded	seeded	seeded	seeded	seeded	seeded	seeded	seeded			
Assessed By											
Trt-Eval Interval	201 DA-A	203 DA-A	203 DA-A	205 DA-A	205 DA-A	208 DA-A	208 DA-A	210 DA-A			
ARM Action Codes											
Trt	Treatment	Rate									
No.	Name	Rate	Unit	281	282	283	284	285	286	287	288
1	V-10142	0.3	LB A/A	1 a	4 a	1 a	9 a	3 a	3 b	1 b	7 a
2	V-10142	0.4	LB A/A	3 a	6 a	2 a	9 a	3 a	9 a	5 a	8 a
3	V-10142	0.3	LB A/A	1 a	3 a	1 a	8 a	3 a	6 ab	3 ab	6 a
4	V-10142	0.4	LB A/A	1 a	6 a	2 a	13 a	5 a	8 ab	5 a	6 a
5	V-10142	0.4	LB A/A	1 a	5 a	2 a	9 a	3 a	9 ab	4 a	6 a
	V-10142	0.4	LB A/A								
6	Non-treated			2 a	3 a	1 a	9 a	3 a	6 ab	3 ab	7 a
LSD (P=.05)				2.4	4.2	1.2	6.1	2.7	5.2	2.8	7.2
Standard Deviation				1.6	2.8	0.8	4.1	1.8	3.5	1.9	4.8
CV				113.27	62.85	46.78	43.31	49.79	52.15	54.03	73.35
Bartlett's X2				2.737	9.56	4.275	5.195	4.546	4.042	10.227	2.127
P(Bartlett's X2)				0.74	0.089	0.511	0.393	0.474	0.543	0.069	0.831

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

## University of Georgia

Weed Code	harv 6	harv 7	harv 7	harv 8	harv 8	harv 9	harv 9	harv 10			
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA			
Part Rated	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit			
Rating Data Type	wt	#	wt	#	wt	#	wt	#			
Rating Unit	lb	per plot	lb	per plot	lb	per plot	lb	per plot			
Rating Date	Sep-24-08	Sep-26-08	Sep-26-08	Sep-29-08	Sep-29-08	Oct-01-08	Oct-01-08	Oct-03-08			
Crop Stage	seeded	seeded	seeded	seeded	seeded	seeded	seeded	seeded			
Assessed By											
Trt-Eval Interval	210 DA-A	212 DA-A	212 DA-A	215 DA-A	215 DA-A	217 DA-A	217 DA-A	219 DA-A			
ARM Action Codes											
Trt	Treatment	Rate									
No.	Name	Rate	Unit	289	290	291	292	293	294	295	296
1	V-10142	0.3	LB A/A	3 a	6 a	2 a	12 a	6 a	6 a	3 a	5 a
2	V-10142	0.4	LB A/A	3 a	8 a	3 a	11 a	5 a	13 a	5 a	6 a
3	V-10142	0.3	LB A/A	2 a	7 a	3 a	12 a	5 a	9 a	4 a	6 a
4	V-10142	0.4	LB A/A	3 a	8 a	3 a	15 a	6 a	11 a	4 a	6 a
5	V-10142	0.4	LB A/A	2 a	10 a	4 a	9 a	5 a	8 a	3 a	7 a
	V-10142	0.4	LB A/A								
6	Non-treated			4 a	7 a	2 a	14 a	6 a	5 a	2 a	8 a
LSD (P=.05)				2.9	4.3	1.8	5.7	2.8	8.6	3.6	5.4
Standard Deviation				1.9	2.8	1.2	3.8	1.9	5.7	2.4	3.6
CV				69.89	37.42	41.56	32.22	34.04	65.09	66.4	61.04
Bartlett's X2				2.152	4.439	2.379	6.846	9.135	2.346	2.235	5.056
P(Bartlett's X2)				0.828	0.488	0.795	0.232	0.104	0.799	0.816	0.409

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

# University of Georgia

Weed Code	harv 10	harv 11	harv 11	harv 12	harv 12	harv 1-4	harv 1-4	harv 1-8	harv 1-8	
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	
Part Rated	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	
Rating Data Type	wt	#	wt	#	wt	#	wt	#	wt	
Rating Unit	lb	per plot	lb	per plot	lb	per plot	lb	per plot	lb	
Rating Date	Oct-03-08	Oct-06-08	Oct-06-08	Oct-08-08	Oct-08-08	Oct-08-08	Oct-08-08	Oct-08-08	Oct-08-08	
Crop Stage	seeded	seeded	seeded	seeded	seeded	seeded	seeded	seeded	seeded	
Assessed By										
Trt-Eval Interval	219 DA-A	222 DA-A	222 DA-A	224 DA-A	224 DA-A	224 DA-A	224 DA-A	224 DA-A	224 DA-A	
ARM Action Codes						T33	T34	T35	T36	
Trt Treatment	Rate									
No. Name	Rate Unit	297	298	299	300	301	302	303	304	305
1 V-10142	0.3 LB A/A	2 a	6 a	3 a	10 a	4 a	18 a	6 a	46 a	19 a
2 V-10142	0.4 LB A/A	3 a	9 a	4 a	10 a	4 a	22 a	9 a	58 a	25 a
3 V-10142	0.3 LB A/A	2 a	8 a	4 a	12 a	5 a	14 a	6 a	44 a	19 a
4 V-10142	0.4 LB A/A	2 a	8 a	4 a	11 a	4 a	26 a	11 a	62 a	27 a
5 V-10142	0.4 LB A/A	3 a	6 a	3 a	12 a	5 a	18 a	7 a	51 a	22 a
V-10142	0.4 LB A/A									
6 Non-treated		3 a	11 a	5 a	12 a	4 a	16 a	6 a	49 a	21 a
LSD (P=.05)		2.3	4.8	2.8	5.7	2.2	13.9	5.9	23.8	10.6
Standard Deviation		1.5	3.2	1.8	3.8	1.4	9.2	3.9	15.8	7.1
CV		60.73	40.53	47.39	34.44	33.5	48.93	51.7	30.79	31.8
Bartlett's X2		4.995	1.782	1.837	4.822	1.357	2.29	1.257	8.517	3.444
P(Bartlett's X2)		0.417	0.878	0.871	0.438	0.929	0.808	0.939	0.13	0.632

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

Column 280: T33 = ([C278]+[C280]+[C282]+[C284])

Column 281: T34 = ([C279]+[C281]+[C283]+[C285])

Column 282: T35 = ([C302]+[C286]+[C288]+[C290]+[C292])

Column 283: T36 = ([C303]+[C287]+[C289]+[C291]+[C293])

## University of Georgia

Weed Code	harv1-12	harv1-12	harv 1	harv 1	harv 2	harv 2	harv 3	harv 3		
Crop Code	CUMSA	CUMSA	BRSOA	BRSOA	BRSOA	BRSOA	BRSOA	BRSOA		
Part Rated	fruit	fruit								
Rating Data Type	#	wt	# plants	wt	# plants	wt	# plants	wt		
Rating Unit	per plot	lb	per plot	lb	per plot	lb	per plot	lb		
Rating Date	Oct-08-08	Oct-08-08	Sep-16-08	Sep-16-08	Sep-30-08	Sep-30-08	Oct-10-08	Oct-10-08		
Crop Stage	seeded	seeded								
Assessed By										
Trt-Eval Interval	224 DA-A	224 DA-A	202 DA-A	202 DA-A	216 DA-A	216 DA-A	226 DA-A	226 DA-A		
ARM Action Codes	T37	T38								
Trt Treatment	Rate									
No. Name	Rate	Unit	306	307	309	310	311	312	313	314
1 V-10142	0.3	LB A/A	73 a	31 a	5 a	3 a	5 a	2 a	1 a	3 a
2 V-10142	0.4	LB A/A	95 a	41 a	6 a	3 a	6 a	2 a	1 a	2 a
3 V-10142	0.3	LB A/A	77 a	34 a	6 a	3 a	6 a	2 a	2 a	4 a
4 V-10142	0.4	LB A/A	98 a	41 a	5 a	3 a	6 a	2 a	1 a	2 a
5 V-10142	0.4	LB A/A	84 a	36 a	6 a	3 a	6 a	2 a	2 a	2 a
V-10142	0.4	LB A/A								
6 Non-treated			84 a	36 a	4 a	2 a	6 a	2 a	1 a	1 a
LSD (P=.05)	32.7		15.0	1.3	1.7	1.0	0.8	1.7	2.8	
Standard Deviation	21.7		10.0	0.9	1.1	0.7	0.5	1.1	1.9	
CV	25.59		27.29	17.35	38.94	11.49	25.57	89.24	81.06	
Bartlett's X2	8.965		4.213	4.02	8.737	2.007	5.056	7.061	5.243	
P(Bartlett's X2)	0.11		0.519	0.546	0.12	0.734	0.409	0.216	0.387	

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

Column 284: T37 = ([C304]+[C294]+[C296]+[C298]+[C300])

Column 285: T38 = ([C305]+[C295]+[C297]+[C299]+[C301])

## University of Georgia

Weed Code	harv 4	harv 4	harv 5	harv 5	harv1- 2	harv1- 2	harv1- 5	harv1- 5
Crop Code	BRSOA	BRSOA	BRSOA	BRSOA	BRSOA	BRSOA	BRSOA	BRSOA
Part Rated								
Rating Data Type	# plants	wt	# plants	wt	# plants	wt	# plants	wt
Rating Unit	per plot	lb	per plot	lb	per plot	lb	per plot	lb
Rating Date	Oct-15-08	Oct-15-08	Oct-20-08	Oct-20-08	Oct-20-08	Oct-20-08	Oct-20-08	Oct-20-08
Crop Stage								
Assessed By								
Trt-Eval Interval	231 DA-A	231 DA-A	236 DA-A	236 DA-A	236 DA-A	236 DA-A	236 DA-A	236 DA-A
ARM Action Codes					T39	T40	T41	T42
Trt Treatment								
No. Name								
Rate								
Rate Unit								
	315	316	317	318	319	320	321	322
1 V-10142 0.3 LB A/A	1 a	2 a	2 ab	3 b	10 a	5 a	15 a	12 a
2 V-10142 0.4 LB A/A	1 a	2 a	3 ab	2 b	11 a	5 a	16 a	11 a
3 V-10142 0.3 LB A/A	2 a	4 a	2 b	2 b	12 a	5 a	17 a	15 a
4 V-10142 0.4 LB A/A	2 a	3 a	3 ab	4 ab	11 a	5 a	17 a	14 a
5 V-10142 0.4 LB A/A	2 a	3 a	3 ab	4 ab	11 a	5 a	17 a	15 a
V-10142 0.4 LB A/A								
6 Non-treated	1 a	3 a	4 a	6 a	10 a	4 a	16 a	14 a
LSD (P=.05)	1.5	2.9	2.2	2.7	2.0	2.1	2.9	4.9
Standard Deviation	1.0	2.0	1.4	1.8	1.3	1.4	1.9	3.3
CV	72.14	72.23	52.45	49.45	12.27	28.42	11.96	24.03
Bartlett's X2	3.438	4.332	3.047	10.014	5.242	4.832	4.294	6.361
P(Bartlett's X2)	0.633	0.503	0.693	0.075	0.387	0.437	0.508	0.273

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

Column 296: T39 = ([C309]+[C311])

Column 297: T40 = ([C310]+[C312])

Column 298: T41 = ([C319]+[C313]+[C315]+[C317])

Column 299: T42 = ([C320]+[C314]+[C316]+[C318])

## University of Georgia

Weed Code	harv 1	harv 1	harv 2	harv 2	Har1-2	Har1-2
Crop Code	BRSOL	BRSOL	BRSOL	BRSOL	BRSOL	BRSOL
Part Rated						
Rating Data Type	# harvesred	wt	# harvesred	wt	#	lb
Rating Unit	per plot	lb	per plot	lb	per plot	per plot
Rating Date	Oct-07-08	Oct-07-08	Oct-07-08	Oct-07-08	Oct-07-08	Oct-07-08
Crop Stage						
Assessed By						
Trt-Eval Interval	223 DA-A	223 DA-A	223 DA-A	223 DA-A	223 DA-A	223 DA-A
ARM Action Codes					T47	T48
Trt Treatment	Rate					
No. Name	Rate Unit	324	325	326	327	328
1 V-10142	0.3 LB A/A	2 a	4 a	5 ab	2 a	7 a
2 V-10142	0.4 LB A/A	2 a	3 ab	6 ab	2 a	7 a
3 V-10142	0.3 LB A/A	1 a	2 ab	5 ab	2 a	7 a
4 V-10142	0.4 LB A/A	1 a	3 ab	6 a	2 a	7 a
5 V-10142	0.4 LB A/A	1 a	2 b	6 ab	3 a	7 a
V-10142	0.4 LB A/A					
6 Non-treated		2 a	2 ab	4 b	3 a	6 a
LSD (P=.05)		1.3	2.3	1.2	1.7	1.6
Standard Deviation		0.9	1.5	0.8	1.1	1.0
CV		57.95	55.92	15.55	46.34	15.38
Bartlett's X2		8.184	7.165	4.486	8.322	2.182
P(Bartlett's X2)		0.146	0.209	0.482	0.139	0.823

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

Column 304: T47 = [C324]+[C326]

Column 305: T48 = [C325]+[C327]

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# University of Georgia

Squash, cucumber, collard, and cabbage response to V-10142 applied in the previous tomato crop.

Trial ID: Veg8-08 Study Dir.: Stanley Culpepper  
Location: Ponder Farm (5158) Investigator: Stanley Culpepper

### GENERAL TRIAL INFORMATION

**Study Director:** Stanley Culpepper **Title:** Ext. Weed Science  
**Affiliation:** University of Georgia  
**Postal Code:** 31794  
  
**Investigator:** Stanley Culpepper **Title:** Ext. Weed Science  
**Affiliation:** University of Georgia  
**Postal Code:** 31794

### TRIAL LOCATION

**City:** TyTy **Trial Status:** completed  
**State/Prov.:** Ga **Trial Reliability:** good  
**Postal Code:** 31795 **Initiation Date:** Feb-27-08  
**Country:** USA **Planned Completion Date:** \_\_\_\_\_  
**E-Longitude of LL Corner °:** \_\_\_\_\_ **N-Latitude of LL Corner °:** \_\_\_\_\_  
**Altitude of LL Corner:** \_\_\_\_\_ **Unit:** \_\_\_\_\_ **Angle y-axis to North °:** \_\_\_\_\_  
**Directions:**

### COOPERATOR/LANDOWNER

**Cooperator:** \_\_\_\_\_ **Country:** \_\_\_\_\_  
**Org:** \_\_\_\_\_ **Phone No:** \_\_\_\_\_  
**Address 1:** \_\_\_\_\_ **Fax No:** \_\_\_\_\_  
**Address 2:** \_\_\_\_\_  
**City:** \_\_\_\_\_  
**State/Prov:** \_\_\_\_\_  
**Postal Code:** \_\_\_\_\_

**Conducted Under GLP (Y/N):** N **Conducted Under GEP (Y/N):** N  
**Guidelines:** \_\_\_\_\_ **Guideline Description:** \_\_\_\_\_

**Objective:**

**Conclusions:**

### CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.	.		

**Crop 1:** LYPES TOMATO **Variety:** Bella Rosa  
**Planting Date:** Mar-27-08 **Planting Method:** transplant  
**Rate:** 1 18 inch **Depth:** 1.5 in **Perennial Age:** \_\_\_\_\_  
**Row Spacing:** 6 feet **Spacing Within Row:** 18 inch **Seed Bed:** mulched  
**Soil Temperature:** 75 f **Soil Moisture:** drip **Emergence Date:** \_\_\_\_\_

**Crop 2:** SOLME EGGPLANT **Variety:** Santana  
**Planting Date:** Mar-27-08 **Planting Method:** transplant  
**Rate:** 1 18 inch **Depth:** 1.5 in **Perennial Age:** \_\_\_\_\_  
**Row Spacing:** 6 feet **Spacing Within Row:** 18 inch **Seed Bed:** mulched  
**Soil Temperature:** 75 f **Soil Moisture:** drip **Emergence Date:** \_\_\_\_\_

**Crop 3:** CUUPE SQUASH, SUMMER **Variety:** Lioness  
**Planting Date:** Aug-08-08 **Planting Method:** transplanted  
**Rate:** 12 inch **Depth:** 1.5 in **Perennial Age:** \_\_\_\_\_  
**Row Spacing:** 6 ft **Spacing Within Row:** 12 inch **Seed Bed:** mulched  
**Soil Temperature:** 91 f **Soil Moisture:** good **Emergence Date:** \_\_\_\_\_

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**Crop 4:** CUUPE SQUASH, SUMMER **Variety:** Lioness  
**Planting Date:** Aug-08-08 **Planting Method:** seeded  
**Rate:** 12 inch **Depth:** 0.5 in **Perennial Age:** \_\_\_\_  
**Row Spacing:** 6 ft **Spacing Within Row:** 12 inch **Seed Bed:** mulched  
**Soil Temperature:** 91 f **Soil Moisture:** good **Emergence Date:** \_\_\_\_\_

**Crop 5:** CUMSA CUCUMBER **Variety:** thunder  
**Planting Date:** Aug-08-08 **Planting Method:** seeded  
**Rate:** 12 inch **Depth:** 0.5 in **Perennial Age:** \_\_\_\_  
**Row Spacing:** 6 ft **Spacing Within Row:** 12 inch **Seed Bed:** mulched  
**Soil Temperature:** 91 f **Soil Moisture:** good **Emergence Date:** \_\_\_\_\_

**Crop 6:** CUMSA CUCUMBER **Variety:** thunder  
**Planting Date:** Aug-08-08 **Planting Method:** transplanted  
**Rate:** 12 inch **Depth:** 1.5 in **Perennial Age:** \_\_\_\_  
**Row Spacing:** 6 ft **Spacing Within Row:** 12 inch **Seed Bed:** mulched  
**Soil Temperature:** 91 f **Soil Moisture:** good **Emergence Date:** \_\_\_\_\_

**Crop 7:** BRSOA COLLARD **Variety:** top bunch  
**Planting Date:** Aug-08-08 **Planting Method:** transplanted  
**Rate:** 12 inch **Depth:** 1.5 in **Perennial Age:** \_\_\_\_  
**Row Spacing:** 6 ft **Spacing Within Row:** 12 inch **Seed Bed:** mulched  
**Soil Temperature:** 91 f **Soil Moisture:** good **Emergence Date:** \_\_\_\_\_

**Crop 8:** BRSOL CABBAGE **Variety:** platinum dynasty  
**Planting Date:** Aug-08-08 **Planting Method:** transplanted  
**Rate:** 12 inch **Depth:** 1.5 in **Perennial Age:** \_\_\_\_  
**Row Spacing:** 6 ft **Spacing Within Row:** 12 inch **Seed Bed:** mulched  
**Soil Temperature:** 91 f **Soil Moisture:** good **Emergence Date:** \_\_\_\_\_

### SITE AND DESIGN

**Plot Width, Unit:** 6 FT **Plot Length, Unit:** 70 FT **Reps:** 4  
**Site Type:** Ponder Research Farm  
**Tillage Type:** Conventional-Plasticu **Study Design:** RANDOMIZED COMPLETE BLOCK

**Trial Initiation Comments:**

	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:** 92 **Texture:** sandy loam  
**% Silt:** 3 **Soil Name:** \_\_\_\_\_  
**% Clay:** 5 **Fert. Level:** \_\_\_\_\_  
**% OM:** 1.2  
**pH:** 6.4  
**CEC:** \_\_\_\_\_

### ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

### MOISTURE CONDITIONS

Date	Time	Amount	Unit	Type	Interval	Unit
1.						

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Overall Moisture Conditions: irrigation

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

### APPLICATION DESCRIPTION

	A	B
Application Date:	Feb-27-08	Apr-16-08
Time of Day:	1 pm	5:00 pm
Application Method:	band	post
Application Timing:	preplant	.
Applic. Placement:	un plast	overtop
Air Temp., Unit:	65 F	74 F
% Relative Humidity:	40	34
Wind Velocity, Unit:	5 mph	2 mph
Dew Presence (Y/N):	n	n
Water Hardness:		
Soil Temp., Unit:	55 F	84 F
Soil Moisture:	moist	moist
% Cloud Cover:	25	0

### CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	LYPES A	LYPES B
Stage Scale:	preplant	7 leaf
Height, Unit:	0 inch	9 inch
Crop 2 Code, Stage:	SOLME A	SOLME B
Stage Scale:	preplant	7 leaf
Height, Unit:	0 inch	9 inch
Crop 3 Code, Stage:	CUUPE A	CUUPE B
Stage Scale:	preplant	preplant
Height, Unit:	0 inch	0 inch
Crop 4 Code, Stage:	CUUPE A	CUUPE B
Stage Scale:	preplant	preplant
Height, Unit:	0 inch	0 inch
Crop 5 Code, Stage:	CUMSA A	CUMSA B
Stage Scale:	preplant	preplant
Height, Unit:	0 inch	0 inch
Crop 6 Code, Stage:	CUMSA A	CUMSA B
Stage Scale:	preplant	preplant
Height, Unit:	0 inch	0 inch
Crop 7 Code, Stage:	BRSOA A	BRSOA B
Stage Scale:	preplant	preplant
Height, Unit:	0 inch	0 inch
Crop 8 Code, Stage:	BR SOL A	BR SOL B
Stage Scale:	preplant	preplant
Height, Unit:	0 inch	0 inch

### WEED STAGE AT EACH APPLICATION

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

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## APPLICATION EQUIPMENT

	A	B
<b>Appl. Equipment:</b>	supper-be	backpack
<b>Operating Pressure:</b>	24	24
<b>Nozzle Type:</b>	flat fan	flat fan
<b>Nozzle Size:</b>	11002	11002
<b>Nozzle Spacing, Unit:</b>	8 inch	18 inch
<b>Nozzles/Row:</b>	5	2
<b>Band Width, Unit:</b>		
<b>Boom Length, Unit:</b>		4.5 ft
<b>Boom Height, Unit:</b>	10 inch	15 inch
<b>Ground Speed, Unit:</b>	3 mph	3 mph
<b>Incorporation Equip.:</b>		
<b>Hours to Incorp.:</b>		
<b>Incorp. Depth, Unit:</b>		
<b>Carrier:</b>	water	water
<b>Spray Volume, Unit:</b>	14.8 GPA	14.8 GPA
<b>Spray pH:</b>		
<b>Propellant:</b>	CO2	CO2
<b>Tank Mix (Y/N):</b>	Y	Y

Trt No	Treatment Application Comment