

University of Georgia

Tomato, eggplant, and pepper response to Goal, Reflex, and V-10142.

Trial ID: Veg47-05

Study Dir.: Stanley Culpepper

Location: Ponder farm (5158)

Investigator: Stanley Culpepper

Reps: 3

Plots: 6 by 65 feet

Spray vol: 20.6 gal/ac

Mix size: 3 liters (min 2.0945)

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Plot No. By Rep		
									1	2	3
1	Goal	4	F	1	pt/a	PREUP	A	18.2 ml/mx	101	207	302
2	Goal	4	F	2	pt/a	PREUP	A	36.4 ml/mx	102	206	305
3	Reflex	2	L	1	pt/a	PREUP	A	18.2 ml/mx	103	204	303
4	Reflex	2	L	2	pt/a	PREUP	A	36.4 ml/mx	104	203	306
5	V10142	75	DF	0.075	lb ai/a	POST	B	1.745 g/mx	105	201	307
6	V10142	75	DF	0.15	lb ai/a	POST	B	3.49 g/mx	106	205	304
7	Non-treated								107	202	301
8	Dual Magnum	7.62	L	1	pt/a	PREUP	A	18.2 ml/mx	108	208	308

Sort Order: Treatment

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

Amount*	Unit	Treatment Name	Lot Code
68.257	ml	Goal 4 F	
68.257	ml	Reflex 2 L	
6.544	g	V10142 75 DF	
22.752	ml	Dual Magnum 7.62 L	

* 'Per area' calculations based on spray volume= 20.6 gal/ac, mix size= 3 liters (mix size basis).

* Product amount calculations increased 25 % for overage adjustment.

Trial Comments

OBJECTIVE: Evaluate tomato, pepper, and eggplant tolerance to Goal, Reflex, V-10142, and Dual Magnum applied in the fall.

Visual Stunting:

- Dual Magnum was the only herbicide that stunted any crop (up to 10-13% for each crop).
- Stunting from other herbicides was insignificant.

Plant Heights (10 tomato or eggplants were measured; 20 pepper plants were measured).

- Plant heights were taken 3 times throughout the season and at no time did treatments impact crop heights.

Eggplant Yields:

- Eggplant was harvested 7 times.
- Statistically or numerically the number and weight of total fruit harvested was greater than the non-treated control.

Pepper Yields:

- Fancy fruit were harvested 5 times, also at the 5th harvest all fruit were picked and graded.
- There was no impact on total fruit or weights harvested.
- There was a trend for delayed maturity and less yield in the Dual Magnum treatments.

Tomato Yields:

- Statistically no treatment impacted any size of tomatoes harvested.
- There did tend to less yield in the Dual Magnum treatments.

GENERAL COMMENTS:

- MB at 400 lb/A broadcast was applied over the trial area.

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Weed Code	eggplant injury percent	eggplant injury percent	eggplant injury percent	tomato injury percent	tomato injury percent	tomato injury percent	pepper injury percent	pepper injury percent			
Crop Code											
Rating Data Type											
Rating Unit											
Rating Date	Aug-11-05	Aug-28-05	Sep-24-05	Aug-11-05	Aug-28-05	Sep-24-05	Aug-11-05	Aug-28-05			
Trt-Eval Interval	29 DA-A	46 DA-A	73 DA-A	29 DA-A	46 DA-A	73 DA-A	29 DA-A	46 DA-A			
ARM Action Codes											
# Subsamples, Dec.											
Trt No.	Treatment Name	Rate	Unit	1	2	3	4	5	6	7	8
1	Goal	1	pt/a	0	0	0	0	0	2	0	0
2	Goal	2	pt/a	2	0	3	0	0	0	0	0
3	Reflex	1	pt/a	2	0	0	0	0	3	0	0
4	Reflex	2	pt/a	2	0	0	0	2	7	0	0
5	V10142	0.075	lb ai/a	0	2	0	0	0	3	0	0
6	V10142	0.15	lb ai/a	2	0	0	0	0	0	0	0
7	Non-treated			0	0	0	0	0	0	0	7
8	Dual Magnum	1	pt/a	7	0	10	0	0	13	10	3
LSD (P=.05)				5.2	1.8	3.6	0.0	1.8	7.7	3.1	8.2
Standard Deviation				3.0	1.0	2.0	0.0	1.0	4.4	1.8	4.7
CV				179.28	489.9	122.47	0.0	489.9	123.71	141.42	375.44

Means followed by same letter do not significantly differ (P=.05, LSD)

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Weed Code		plant 1	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7			
Crop Code	pepper	eggplant	eggplant	eggplant	eggplant	eggplant	eggplant	eggplant			
Rating Data Type	injury	ht	ht	ht	ht	ht	ht	ht			
Rating Unit	percent	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Sep-24-05	Aug-08-05	Aug-08-05	Aug-08-05	Aug-08-05	Aug-08-05	Aug-08-05	Aug-08-05			
Trt-Eval Interval	73 DA-A	26 DA-A	26 DA-A	26 DA-A	26 DA-A	26 DA-A	26 DA-A	26 DA-A			
ARM Action Codes											
# Subsamples, Dec.											
Trt No.	Treatment Name	Rate	Unit	9	10	11	12	13	14	15	16
1	Goal	1	pt/a	0	9	12	11	12	13	13	14
2	Goal	2	pt/a	7	11	13	13	13	14	12	14
3	Reflex	1	pt/a	0	12	11	11	12	12	12	12
4	Reflex	2	pt/a	3	12	13	12	11	12	13	12
5	V10142	0.075	lb ai/a	0	10	12	13	13	12	13	13
6	V10142	0.15	lb ai/a	0	11	13	13	14	14	12	13
7	Non-treated			0	12	13	13	12	13	13	13
8	Dual Magnum	1	pt/a	10	11	13	13	13	13	12	12
LSD (P=.05)				5.4	3.3	2.6	2.7	2.3	2.1	2.7	2.4
Standard Deviation				3.1	1.9	1.5	1.5	1.3	1.2	1.5	1.4
CV				123.44	17.34	11.71	12.07	10.78	9.51	12.26	10.68

Means followed by same letter do not significantly differ (P=.05, LSD)

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Weed Code	plant 8 eggplant	plant 9 eggplant	plant 10 eggplant	Avg10pl eggplant	plant 1 eggplant	plant 2 eggplant	plant 3 eggplant	plant 4 eggplant
Crop Code	ht	ht	ht	plant ht	ht	ht	ht	ht
Rating Data Type	cm	cm	cm	cm	cm	cm	cm	cm
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm
Rating Date	Aug-08-05	Aug-08-05	Aug-08-05	Aug-08-04	Aug-26-05	Aug-26-05	Aug-26-05	Aug-26-05
Trt-Eval Interval	26 DA-A	26 DA-A	26 DA-A	-339 DA-T1	44 DA-A	44 DA-A	44 DA-A	44 DA-A
ARM Action Codes								
# Subsamples, Dec.								
Trt No.	17	18	19	20	21	22	23	24
Treatment Name								
Rate								
Unit								
1 Goal	14	13	14	13	27	46	44	42
2 Goal	14	12	13	13	40	48	46	46
3 Reflex	13	12	12	12	41	43	44	49
4 Reflex	13	13	13	13	45	48	43	48
5 V10142	14	13	13	13	40	29	45	46
6 V10142	13	13	14	13	41	43	41	44
7 Non-treated	13	13	14	13	41	46	45	48
8 Dual Magnum	12	12	13	12	41	43	46	49
LSD (P=.05)	2.6	3.7	2.1	1.5	16.8	15.7	8.0	8.2
Standard Deviation	1.5	2.1	1.2	0.9	9.6	9.0	4.6	4.7
CV	11.24	16.44	9.24	6.89	24.34	20.77	10.35	10.08

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 20: T1 = ((C10)+[C11]+[C12]+[C13]+[C14]+[C15]+[C16]+[C17]+[C18]+[C19])/10

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Weed Code	plant 5	plant 6	plant 7	plant 8	plant 9	plant 10	Avg10pla	plant 1
Crop Code	eggplant	eggplant	eggplant	eggplant	eggplant	eggplant	eggplant	eggplant
Rating Data Type	ht	ht	ht	ht	ht	ht	plant ht	ht
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm
Rating Date	Aug-26-05	Aug-26-05	Aug-26-05	Aug-26-05	Aug-26-05	Aug-26-05	Aug-26-05	Sep-07-05
Trt-Eval Interval	44 DA-A	44 DA-A	44 DA-A	44 DA-A	44 DA-A	44 DA-A	44 DA-A	56 DA-A
ARM Action Codes							T2	
# Subsamples, Dec.								
Trt No.	25	26	27	28	29	30	31	32
Treatment Name								
Rate								
Unit								
1 Goal	50	49	51	50	46	50	45	75
2 Goal	47	47	45	47	47	47	46	40
3 Reflex	51	49	50	49	50	50	48	74
4 Reflex	47	44	46	48	45	49	46	70
5 V10142	46	45	46	46	44	39	43	64
6 V10142	44	41	37	46	43	43	42	72
7 Non-treated	48	53	51	52	50	35	47	72
8 Dual Magnum	46	50	48	44	42	38	45	64
LSD (P=.05)	7.4	4.9	8.8	5.6	6.4	17.6	3.7	25.4
Standard Deviation	4.2	2.8	5.0	3.2	3.6	10.0	2.1	14.5
CV	8.86	5.91	10.71	6.71	7.95	22.84	4.7	21.89

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 31: T2 = ((C21)+[C22]+[C23]+[C24]+[C25]+[C26]+[C27]+[C28]+[C29]+[C30])/10

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Weed Code	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7	plant 8	plant 9			
Crop Code	eggplant	eggplant	eggplant	eggplant	eggplant	eggplant	eggplant	eggplant			
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Sep-07-05	Sep-07-05	Sep-07-05	Sep-07-05	Sep-07-05	Sep-07-05	Sep-07-05	Sep-07-05			
Trt-Eval Interval	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A			
ARM Action Codes											
# Subsamples, Dec.											
Trt No.	Treatment Name	Rate	Unit	33	34	35	36	37	38	39	40
1	Goal	1	pt/a	78	54	83	86	86	85	88	77
2	Goal	2	pt/a	77	82	50	48	84	87	83	83
3	Reflex	1	pt/a	66	80	81	86	82	84	81	88
4	Reflex	2	pt/a	81	70	86	80	83	81	80	81
5	V10142	0.075	lb ai/a	54	76	80	75	83	81	79	82
6	V10142	0.15	lb ai/a	77	79	83	78	81	73	78	78
7	Non-treated			70	78	77	80	80	74	78	83
8	Dual Magnum	1	pt/a	68	79	84	82	84	86	90	81
LSD (P=.05)				30.9	33.2	29.1	31.0	9.9	16.1	9.9	14.8
Standard Deviation				17.6	19.0	16.6	17.7	5.6	9.2	5.6	8.4
CV				24.72	25.4	21.33	23.04	6.81	11.33	6.87	10.35

Means followed by same letter do not significantly differ (P=.05, LSD)

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Weed Code	plant 10	Avg.10pl	plant 1	plant 2	plant 3	plant 4	plant 5	plant 6
Crop Code	eggplant	eggplant	tomato	tomato	tomato	tomato	tomato	tomato
Rating Data Type	ht	plant ht	ht	ht	ht	ht	ht	ht
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm
Rating Date	Sep-07-05	Sep-07-05	Aug-08-05	Aug-08-05	Aug-08-05	Aug-08-05	Aug-08-05	Aug-08-05
Trt-Eval Interval	56 DA-A	56 DA-A	26 DA-A	26 DA-A	26 DA-A	26 DA-A	26 DA-A	26 DA-A
ARM Action Codes		T3						
# Subsamples, Dec.								
Trt Treatment	Rate							
No. Name	Rate Unit	41	42	43	44	45	46	47
1 Goal	1 pt/a	57	77	15	15	14	15	14
2 Goal	2 pt/a	82	72	14	13	15	14	13
3 Reflex	1 pt/a	81	80	13	13	14	13	13
4 Reflex	2 pt/a	83	79	14	13	11	13	13
5 V10142	0.075 lb ai/a	74	75	12	12	12	13	13
6 V10142	0.15 lb ai/a	77	78	13	13	15	15	14
7 Non-treated		27	72	14	15	14	12	13
8 Dual Magnum	1 pt/a	81	80	13	13	13	13	13
LSD (P=.05)		40.6	13.3	1.6	1.8	1.9	2.3	2.5
Standard Deviation		23.2	7.6	0.9	1.1	1.1	1.3	1.4
CV		32.98	9.94	7.02	7.84	8.26	9.55	10.62

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 42: T3 = ([C32]+[C33]+[C34]+[C35]+[C36]+[C37]+[C38]+[C39]+[C40]+[C41])/10

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Weed Code	plant 7	plant 8	plant 9	plant 10	Avg.10pl	plant 1	plant 2	plant 3
Crop Code	tomato	tomato	tomato	tomato	tomato	tomato	tomato	tomato
Rating Data Type	ht	ht	ht	ht	plant ht	ht	ht	ht
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm
Rating Date	Aug-08-05	Aug-08-05	Aug-08-05	Aug-08-05	Aug-08-05	Aug-26-05	Aug-26-05	Aug-26-05
Trt-Eval Interval	26 DA-A	26 DA-A	26 DA-A	26 DA-A	26 DA-A	44 DA-A	44 DA-A	44 DA-A
ARM Action Codes					T4			
# Subsamples, Dec.								
Trt Treatment								
No. Name	49	50	51	52	53	54	55	56
Rate Unit								
1 Goal	13	15	15	14	15	37	39	35
2 Goal	14	13	13	14	14	35	35	35
3 Reflex	14	12	14	13	13	37	36	36
4 Reflex	13	12	12	13	13	28	31	31
5 V10142	14	14	14	14	13	36	35	34
6 V10142	14	14	15	13	14	38	35	42
7 Non-treated	13	14	14	14	14	30	35	34
8 Dual Magnum	13	13	14	12	13	33	34	33
LSD (P=.05)	3.0	2.1	2.2	2.1	1.3	7.0	5.2	4.2
Standard Deviation	1.7	1.2	1.3	1.2	0.7	4.0	3.0	2.4
CV	12.75	8.99	9.09	8.83	5.26	11.75	8.51	6.93

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 53: T4 = (([C43]+[C44]+[C45]+[C46]+[C47]+[C48]+[C49]+[C50]+[C51]+[C52])/10)

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Weed Code		plant 4	plant 5	plant 6	plant 7	plant 8	plant 9	plant 10	Avg10pla
Crop Code		tomato	tomato	tomato	tomato	tomato	tomato	tomato	tomato
Rating Data Type		ht	ht	ht	ht	ht	ht	ht	plant ht
Rating Unit		cm	cm	cm	cm	cm	cm	cm	cm
Rating Date		Aug-26-05	Aug-26-05	Aug-26-05	Aug-26-05	Aug-26-05	Aug-26-05	Aug-26-05	Aug-26-05
Trt-Eval Interval		44 DA-A	44 DA-A	44 DA-A	44 DA-A	44 DA-A	44 DA-A	44 DA-A	44 DA-A
ARM Action Codes									T5
# Subsamples, Dec.									
Trt Treatment	Rate								
No. Name	Rate Unit	57	58	59	60	61	62	63	64
1 Goal	1 pt/a	33	37	35	36	33	35	34	35
2 Goal	2 pt/a	33	35	35	35	33	34	34	34
3 Reflex	1 pt/a	35	38	36	33	34	35	34	35
4 Reflex	2 pt/a	34	33	36	32	31	31	30	32
5 V10142	0.075 lb ai/a	35	34	33	34	34	33	32	34
6 V10142	0.15 lb ai/a	37	36	38	35	36	37	37	37
7 Non-treated		33	32	34	37	31	35	34	33
8 Dual Magnum	1 pt/a	33	33	32	32	35	32	34	33
LSD (P=.05)		6.0	4.7	5.2	6.6	3.5	4.8	5.5	3.1
Standard Deviation		3.5	2.7	3.0	3.8	2.0	2.7	3.2	1.8
CV		10.14	7.78	8.55	11.02	5.98	8.02	9.45	5.13

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 64: T5 = ((C54)+[C55]+[C56]+[C57]+[C58]+[C59]+[C60]+[C61]+[C62]+[C63])/10

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Weed Code	plant 1 tomato	plant 2 tomato	plant 3 tomato	plant 4 tomato	plant 5 tomato	plant 6 tomato	plant 7 tomato	plant 8 tomato			
Crop Code	ht	ht	ht	ht	ht	ht	ht	ht			
Rating Data Type	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Unit	Sep-07-05	Sep-07-05	Sep-07-05	Sep-07-05	Sep-07-05	Sep-07-05	Sep-07-05	Sep-07-05			
Rating Date	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A			
Trt-Eval Interval											
ARM Action Codes											
# Subsamples, Dec.											
Trt No.	Treatment Name	Rate	Unit	65	66	67	68	69	70	71	72
1	Goal	1	pt/a	58	54	50	37	56	53	55	50
2	Goal	2	pt/a	57	56	51	49	51	54	53	50
3	Reflex	1	pt/a	53	52	52	54	53	52	50	50
4	Reflex	2	pt/a	49	47	48	56	55	51	48	51
5	V10142	0.075	lb ai/a	56	51	59	49	48	51	51	48
6	V10142	0.15	lb ai/a	52	52	53	54	50	54	57	56
7	Non-treated			48	53	51	51	51	50	53	46
8	Dual Magnum	1	pt/a	51	48	49	50	53	51	49	52
LSD (P=.05)				8.2	5.8	7.8	20.9	9.0	6.8	7.2	8.0
Standard Deviation				4.7	3.3	4.4	12.0	5.2	3.9	4.1	4.5
CV				8.84	6.44	8.58	23.89	9.93	7.51	7.89	9.04

Means followed by same letter do not significantly differ (P=.05, LSD)

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Weed Code	plant 9	plant 10	Avg10pla	plant 1	plant 2	plant 3	plant 4	plant 5	
Crop Code	tomato	tomato	tomato	pepper	pepper	pepper	pepper	pepper	
Rating Data Type	ht	ht	plant ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Date	Sep-07-05	Sep-07-05	Sep-07-05	Aug-08-05	Aug-08-05	Aug-08-05	Aug-08-05	Aug-08-05	
Trt-Eval Interval	56 DA-A	56 DA-A	56 DA-A	26 DA-A	26 DA-A	26 DA-A	26 DA-A	26 DA-A	
ARM Action Codes			T6						
# Subsamples, Dec.									
Trt Treatment	Rate								
No. Name	Rate Unit	73	74	75	76	77	78	79	80
1 Goal	1 pt/a	54	52	52	12	13	13	13	12
2 Goal	2 pt/a	52	52	53	10	12	11	12	10
3 Reflex	1 pt/a	51	52	52	11	11	12	12	12
4 Reflex	2 pt/a	51	49	51	12	12	12	10	12
5 V10142	0.075 lb ai/a	51	47	51	11	12	12	13	11
6 V10142	0.15 lb ai/a	52	52	53	12	11	12	11	11
7 Non-treated		53	54	51	12	11	13	12	11
8 Dual Magnum	1 pt/a	51	48	50	12	12	11	12	12
LSD (P=.05)		8.8	8.9	3.1	2.8	3.2	2.1	2.6	2.5
Standard Deviation		5.0	5.1	1.8	1.6	1.8	1.2	1.5	1.4
CV		9.72	9.97	3.41	13.7	15.55	10.09	12.14	12.68

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 75: T6 = ((C65)+[C66]+[C67]+[C68]+[C69]+[C70]+[C71]+[C72]+[C73]+[C74])/10

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Weed Code	plant 6 pepper	plant 7 pepper	plant 8 pepper	plant 9 pepper	plant 10 pepper	plant 11 pepper	plant 12 pepper	plant 13 pepper			
Crop Code	ht	ht	ht	ht	ht	ht	ht	ht			
Rating Data Type	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Unit	Aug-08-05	Aug-08-05	Aug-08-05	Aug-08-05	Aug-08-05	Aug-08-05	Aug-08-05	Aug-08-05			
Rating Date	26 DA-A	26 DA-A	26 DA-A	26 DA-A	26 DA-A	26 DA-A	26 DA-A	26 DA-A			
Trt-Eval Interval											
ARM Action Codes											
# Subsamples, Dec.											
Trt No.	Treatment Name	Rate	Unit	81	82	83	84	85	86	87	88
1	Goal	1	pt/a	13	12	13	13	11	13	13	12
2	Goal	2	pt/a	11	11	11	12	11	11	10	11
3	Reflex	1	pt/a	12	12	13	13	12	12	12	13
4	Reflex	2	pt/a	11	10	11	12	11	12	11	12
5	V10142	0.075	lb ai/a	12	11	11	13	12	11	11	11
6	V10142	0.15	lb ai/a	13	11	11	12	11	11	11	10
7	Non-treated			11	10	9	10	12	13	11	12
8	Dual Magnum	1	pt/a	11	12	12	12	12	12	11	11
LSD (P=.05)				3.4	3.3	2.9	2.3	2.8	1.7	2.6	2.3
Standard Deviation				1.9	1.9	1.7	1.3	1.6	1.0	1.5	1.3
CV				16.82	17.3	14.59	10.85	13.96	8.17	12.96	11.45

Means followed by same letter do not significantly differ (P=.05, LSD)

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Weed Code	plant 14	plant 15	plant 16	plant 17	plant 18	plant 19	plant 20	Avg.20pl			
Crop Code	pepper	pepper	pepper	pepper	pepper	pepper	pepper	pepper			
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	plant ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Aug-08-05	Aug-08-05	Aug-08-05	Aug-08-05	Aug-08-05	Aug-08-05	Aug-08-05	Aug-08-05			
Trt-Eval Interval	26 DA-A	26 DA-A	26 DA-A	26 DA-A	26 DA-A	26 DA-A	26 DA-A	26 DA-A			
ARM Action Codes								T7			
# Subsamples, Dec.											
Trt No.	Treatment Name	Rate	Unit	89	90	91	92	93	94	95	96
1	Goal	1	pt/a	14	13	12	12	11	12	12	12
2	Goal	2	pt/a	11	11	11	12	11	12	11	11
3	Reflex	1	pt/a	12	12	12	11	12	11	11	12
4	Reflex	2	pt/a	12	12	11	11	11	12	11	11
5	V10142	0.075	lb ai/a	12	12	11	12	12	12	12	12
6	V10142	0.15	lb ai/a	12	12	11	11	11	12	11	11
7	Non-treated			12	12	11	12	12	11	12	11
8	Dual Magnum	1	pt/a	11	11	11	10	10	11	9	11
LSD (P=.05)				2.1	2.1	2.0	1.9	3.0	2.6	2.8	0.8
Standard Deviation				1.2	1.2	1.1	1.1	1.7	1.5	1.6	0.5
CV				9.75	9.98	9.84	9.37	15.04	12.61	14.49	4.03

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 96: T7 = (([C76]+[C77]+[C78]+[C79]+[C80]+[C81]+[C82]+[C83]+[C84]+[C85]+[C86]+[C87]+[C88]+[C89]+[C90]+[C91]+[C92])+[>

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Weed Code	plant 1	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7	plant 8			
Crop Code	pepper	pepper	pepper	pepper	pepper	pepper	pepper	pepper			
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Aug-26-05	Aug-26-05	Aug-26-05	Aug-26-05	Aug-26-05	Aug-26-05	Aug-26-05	Aug-26-05			
Trt-Eval Interval	44 DA-A	44 DA-A	44 DA-A	44 DA-A	44 DA-A	44 DA-A	44 DA-A	44 DA-A			
ARM Action Codes											
# Subsamples, Dec.											
Trt No.	Treatment Name	Rate	Unit	97	98	99	100	101	102	103	104
1	Goal	1	pt/a	25	23	23	24	25	25	23	25
2	Goal	2	pt/a	23	23	23	22	22	22	22	22
3	Reflex	1	pt/a	25	24	24	25	25	24	25	25
4	Reflex	2	pt/a	25	23	21	20	24	23	20	22
5	V10142	0.075	lb ai/a	16	22	25	23	23	23	21	23
6	V10142	0.15	lb ai/a	23	21	23	23	23	24	22	22
7	Non-treated			24	24	23	23	25	23	24	23
8	Dual Magnum	1	pt/a	22	20	22	22	20	21	21	21
LSD (P=.05)				10.1	3.6	4.1	5.6	2.9	2.7	6.1	3.1
Standard Deviation				5.8	2.1	2.4	3.2	1.6	1.6	3.5	1.7
CV				25.06	9.16	10.32	14.17	6.93	6.78	15.56	7.61

Means followed by same letter do not significantly differ (P=.05, LSD)

University of Georgia

Weed Code	plant 9 pepper	plant 10 pepper	plant 11 pepper	plant 12 pepper	plant 13 pepper	plant 14 pepper	plant 15 pepper	plant 16 pepper			
Crop Code	pepper	pepper	pepper	pepper	pepper	pepper	pepper	pepper			
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Aug-26-05	Aug-26-05	Aug-26-05	Aug-26-05	Aug-26-05	Aug-26-05	Aug-26-05	Aug-26-05			
Trt-Eval Interval	44 DA-A	44 DA-A	44 DA-A	44 DA-A	44 DA-A	44 DA-A	44 DA-A	44 DA-A			
ARM Action Codes											
# Subsamples, Dec.											
Trt No.	Treatment Name	Rate	Unit	105	106	107	108	109	110	111	112
1	Goal	1	pt/a	23	25	22	24	23	23	23	21
2	Goal	2	pt/a	20	24	22	22	23	22	24	21
3	Reflex	1	pt/a	24	26	24	23	24	24	25	24
4	Reflex	2	pt/a	21	24	23	24	22	23	22	24
5	V10142	0.075	lb ai/a	22	23	24	23	24	23	22	21
6	V10142	0.15	lb ai/a	22	24	16	22	23	22	24	24
7	Non-treated			23	20	22	24	23	15	23	24
8	Dual Magnum	1	pt/a	20	22	20	20	20	21	20	23
LSD (P=.05)				4.1	5.8	5.3	3.0	3.8	8.3	3.4	7.6
Standard Deviation				2.3	3.3	3.0	1.7	2.2	4.7	1.9	4.3
CV				10.69	14.01	14.06	7.45	9.6	21.75	8.41	18.97

Means followed by same letter do not significantly differ (P=.05, LSD)

University of Georgia

Weed Code	plant 17 pepper	plant 18 pepper	plant 19 pepper	plant 20 pepper	Avg.20pl pepper	plant 1 pepper	plant 2 pepper	plant 3 pepper			
Crop Code	pepper	pepper	pepper	pepper	pepper	pepper	pepper	pepper			
Rating Data Type	ht	ht	ht	ht	plant ht	ht	ht	ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Aug-26-05	Aug-26-05	Aug-26-05	Aug-26-05	Aug-26-05	Sep-07-05	Sep-07-05	Sep-07-05			
Trt-Eval Interval	44 DA-A	44 DA-A	44 DA-A	44 DA-A	44 DA-A	56 DA-A	56 DA-A	56 DA-A			
ARM Action Codes					T8						
# Subsamples, Dec.											
Trt No.	Treatment Name	Rate	Unit	113	114	115	116	117	118	119	120
1	Goal	1	pt/a	25	23	23	22	23	34	37	35
2	Goal	2	pt/a	21	23	22	21	22	35	35	32
3	Reflex	1	pt/a	23	26	24	24	24	37	39	39
4	Reflex	2	pt/a	23	21	21	21	22	35	38	36
5	V10142	0.075	lb ai/a	22	23	22	22	22	37	38	39
6	V10142	0.15	lb ai/a	23	22	23	22	22	11	30	37
7	Non-treated			23	22	23	22	23	37	36	34
8	Dual Magnum	1	pt/a	22	20	21	21	21	35	31	29
LSD (P=.05)				4.7	2.4	3.9	2.7	1.8	13.1	7.9	6.6
Standard Deviation				2.7	1.4	2.2	1.5	1.0	7.5	4.5	3.8
CV				11.83	6.07	9.94	7.06	4.55	23.0	12.76	10.79

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 117: T8 = ([C97]+[C98]+[C99]+[C100]+[C101]+[C102]+[C103]+[C104]+[C105]+[C106]+[C107]+[C108]+[C109]+[C110]+[C111]>

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Weed Code	plant 4 pepper	plant 5 pepper	plant 6 pepper	plant 7 pepper	plant 8 pepper	plant 9 pepper	plant 10 pepper	plant 11 pepper			
Crop Code	pepper	pepper	pepper	pepper	pepper	pepper	pepper	pepper			
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Sep-07-05	Sep-07-05	Sep-07-05	Sep-07-05	Sep-07-05	Sep-07-05	Sep-07-05	Sep-07-05			
Trt-Eval Interval	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A			
ARM Action Codes											
# Subsamples, Dec.											
Trt No.	Treatment Name	Rate	Unit	121	122	123	124	125	126	127	128
1	Goal	1	pt/a	33	38	24	36	35	35	38	36
2	Goal	2	pt/a	33	38	35	23	35	34	34	34
3	Reflex	1	pt/a	42	40	37	37	40	39	37	40
4	Reflex	2	pt/a	34	38	36	36	34	34	28	37
5	V10142	0.075	lb ai/a	36	36	36	34	34	34	32	24
6	V10142	0.15	lb ai/a	36	38	36	34	37	31	35	37
7	Non-treated			23	37	37	37	33	35	36	36
8	Dual Magnum	1	pt/a	30	32	34	20	34	32	33	34
LSD (P=.05)				14.0	4.8	15.2	16.4	7.6	5.3	6.2	13.7
Standard Deviation				8.0	2.7	8.7	9.4	4.3	3.0	3.5	7.8
CV				23.97	7.38	25.26	29.08	12.3	8.86	10.37	22.65

Means followed by same letter do not significantly differ (P=.05, LSD)

University of Georgia

Weed Code	plant 12	plant 13	plant 14	plant 15	plant 16	plant 17	plant 18	plant 19			
Crop Code	pepper	pepper	pepper	pepper	pepper	pepper	pepper	pepper			
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Sep-07-05	Sep-07-05	Sep-07-05	Sep-07-05	Sep-07-05	Sep-07-05	Sep-07-05	Sep-07-05			
Trt-Eval Interval	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A			
ARM Action Codes											
# Subsamples, Dec.											
Trt No.	Treatment Name	Rate	Unit	129	130	131	132	133	134	135	136
1	Goal	1	pt/a	33	38	37	39	40	37	36	25
2	Goal	2	pt/a	31	32	35	34	34	34	29	11
3	Reflex	1	pt/a	40	37	34	38	39	38	37	38
4	Reflex	2	pt/a	34	37	23	37	36	25	25	37
5	V10142	0.075	lb ai/a	38	38	39	39	37	25	34	35
6	V10142	0.15	lb ai/a	33	38	37	39	38	36	33	36
7	Non-treated			35	35	34	39	35	35	33	33
8	Dual Magnum	1	pt/a	32	33	33	30	34	34	22	33
LSD (P=.05)				6.1	5.5	14.0	4.6	3.6	19.6	20.4	17.3
Standard Deviation				3.5	3.2	8.0	2.6	2.1	11.2	11.6	9.9
CV				10.07	8.81	23.45	7.11	5.65	34.06	37.23	31.87

Means followed by same letter do not significantly differ (P=.05, LSD)

University of Georgia

Weed Code	plant 20	Avg20pla	harv 1	harv 1	harv 1	harv 2	harv 2	harv 3	
Crop Code	pepper	pepper	eggplant	eggplant	eggplant	eggplant	eggplant	eggplant	
Rating Data Type	ht	plant ht	fruit	fruit	fruit	fruit	fruit	fruit	
Rating Unit	cm	cm	#/8plant	kg/8plan	wt/8plan	#/8plant	lb/8plan	#/8plant	
Rating Date	Sep-07-05	Sep-07-05	Sep-23-05	Sep-23-05	Sep-23-05	Sep-28-05	Sep-28-05	Oct-05-05	
Trt-Eval Interval	56 DA-A	56 DA-A	72 DA-A	72 DA-A	72 DA-A	77 DA-A	77 DA-A	84 DA-A	
ARM Action Codes		T9			T10				
# Subsamples, Dec.					1				
Trt Treatment	Rate								
No. Name	Rate Unit	137	138	139	140	141	142	143	144
1 Goal	1 pt/a	23	34	7	5	10.7	19	24	6
2 Goal	2 pt/a	24	32	10	8	17.6	16	20	6
3 Reflex	1 pt/a	38	38	8	6	13.1	14	18	11
4 Reflex	2 pt/a	35	34	6	5	11.0	14	18	6
5 V10142	0.075 lb ai/a	37	35	9	7	15.0	12	17	7
6 V10142	0.15 lb ai/a	33	34	6	4	9.5	11	15	15
7 Non-treated		24	34	7	7	14.5	11	14	5
8 Dual Magnum	1 pt/a	33	31	10	8	17.7	16	20	7
LSD (P=.05)		23.0	4.2	3.9	3.1	6.92	16.5	19.4	6.1
Standard Deviation		13.1	2.4	2.2	1.8	3.95	9.4	11.1	3.5
CV		42.71	7.05	29.29	28.96	28.96	66.52	61.01	44.74

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 138: T9 = ([C118]+[C119]+[C120]+[C121]+[C122]+[C123]+[C124]+[C125]+[C126]+[C127]+[C128]+[C129]+[C130]+[C131]+[>

Column 141: T10 = [C140]*2.2

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Weed Code	harv 3	harv 4	harv 4	harv 5	harv 5	harv 6	harv 6	harv 7	
Crop Code	eggplant	eggplant	eggplant	eggplant	eggplant	eggplant	eggplant	eggplant	
Rating Data Type	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	
Rating Unit	lb/8plan	#/8plant	lb/8plan	#/8plant	lb/8plan	#/8plant	lb/8plan	#/8plant	
Rating Date	Oct-05-05	Oct-05-05	Oct-05-05	Oct-12-05	Oct-12-05	Oct-20-05	Oct-20-05	Oct-26-05	
Trt-Eval Interval	84 DA-A	84 DA-A	84 DA-A	91 DA-A	91 DA-A	99 DA-A	99 DA-A	105 DA-A	
ARM Action Codes									
# Subsamples, Dec.									
Trt No.	145	146	147	148	149	150	151	152	
Treatment Name									
Rate									
Unit									
1 Goal	1 pt/a	8	6	8	3	2	17	24	5
2 Goal	2 pt/a	8	6	8	4	3	19	27	6
3 Reflex	1 pt/a	15	11	15	4	3	14	20	5
4 Reflex	2 pt/a	9	6	9	2	1	20	28	8
5 V10142	0.075 lb ai/a	9	7	9	4	3	22	30	1
6 V10142	0.15 lb ai/a	21	15	21	4	3	17	24	6
7 Non-treated		7	5	7	4	3	15	21	5
8 Dual Magnum	1 pt/a	9	7	9	4	3	21	29	6
LSD (P=.05)		8.5	6.1	8.5	3.3	2.2	9.2	12.6	3.8
Standard Deviation		4.9	3.5	4.9	1.9	1.3	5.2	7.2	2.2
CV		45.57	44.74	45.57	49.18	54.37	28.95	28.41	40.64

Means followed by same letter do not significantly differ (P=.05, LSD)

University of Georgia

Weed Code	harv 7	Har1-7	Har1-7	harv 1	harv 1	harv 1	harv 2	harv 2			
Crop Code	eggplant	eggplant	eggplant	pepper	pepper	pepper	pepper	pepper			
Rating Data Type	fruit	fruit	fruit	us fancy	us fancy	us fancy	us fancy	us fancy			
Rating Unit	lb/8plan	#/8plant	lb/8plan	#/20plan	kg/20pla	lb/20pla	#/20plan	lb/20pla			
Rating Date	Oct-26-05	Oct-26-05	Oct-26-05	Sep-29-05	Sep-29-05	Sep-29-05	Oct-05-05	Oct-05-05			
Trt-Eval Interval	105 DA-A	105 DA-A	105 DA-A	78 DA-A	78 DA-A	78 DA-A	84 DA-A	84 DA-A			
ARM Action Codes		T11	T12			T13					
# Subsamples, Dec.		0	1			1					
Trt No.	Treatment Name	Rate	Unit	153	154	155	156	157	158	159	160
1	Goal	1	pt/a	7	31	82.2	30	5	10.0	17	6
2	Goal	2	pt/a	9	32	92.2	25	4	8.8	20	7
3	Reflex	1	pt/a	6	32	89.0	27	4	8.5	11	4
4	Reflex	2	pt/a	12	25	86.5	26	4	9.7	13	5
5	V10142	0.075	lb ai/a	1	28	84.8	26	4	9.0	14	5
6	V10142	0.15	lb ai/a	8	32	101.2	24	4	9.0	12	5
7	Non-treated			7	23	73.7	30	5	10.7	21	8
8	Dual Magnum	1	pt/a	9	33	97.1	16	3	5.8	12	5
LSD (P=.05)				5.5	17.6	35.43	12.3	1.8	3.95	9.9	3.6
Standard Deviation				3.2	10.1	20.23	7.0	1.0	2.26	5.7	2.1
CV				42.47	34.0	22.9	27.47	25.21	25.21	37.83	37.95

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 154: T11 = [C139]+[C142]+[C144]+{146+[C148]+[C150]+[C152]

Column 155: T12 = [C141]+[C143]+[C145]+[C147]+[C149]+[C151]+[C153]

Column 158: T13 = [C157]*2.2

University of Georgia

Weed Code	harv 3	harv 3	harv 4	harv 4	harv 5	harv 5	harv 5	harv 5			
Crop Code	pepper	pepper	pepper	pepper	pepper	pepper	pepper	pepper			
Rating Data Type	us fancy	us fancy	us fancy	us fancy	us fancy	us fancy	us no 1	us no 1			
Rating Unit	#/20plan	lb/20pla	#/20plan	lb/20pla	#/20plan	lb/20pla	#/20plan	lb/20pla			
Rating Date	Oct-12-05	Oct-12-05	Oct-20-05	Oct-20-05	Oct-26-05	Oct-26-05	Oct-26-05	Oct-26-05			
Trt-Eval Interval	91 DA-A	91 DA-A	99 DA-A	99 DA-A	105 DA-A	105 DA-A	105 DA-A	105 DA-A			
ARM Action Codes											
# Subsamples, Dec.											
Trt No.	Treatment Name	Rate	Unit	161	162	163	164	165	166	167	168
1	Goal	1	pt/a	6	1	10	4	17	7	12	3
2	Goal	2	pt/a	5	1	15	6	15	6	14	4
3	Reflex	1	pt/a	7	1	11	4	19	9	17	4
4	Reflex	2	pt/a	8	1	10	4	22	9	14	4
5	V10142	0.075	lb ai/a	3	1	11	4	17	8	12	3
6	V10142	0.15	lb ai/a	6	1	15	6	18	7	10	3
7	Non-treated			7	1	14	5	21	8	11	3
8	Dual Magnum	1	pt/a	6	1	15	7	20	8	16	4
LSD (P=.05)				4.4	0.9	9.1	4.3	13.0	5.5	8.5	2.7
Standard Deviation				2.5	0.5	5.2	2.5	7.4	3.1	4.9	1.5
CV				42.12	45.18	41.42	47.98	40.27	39.83	36.89	41.96

Means followed by same letter do not significantly differ (P=.05, LSD)

University of Georgia

Weed Code	harv 5 pepper	harv 5 pepper	Har1-5 pepper	Har1-5 pepper	Har1-5 pepper	Har1-5 pepper	harv 1 tomato	harv 1 tomato	
Crop Code	pepper	pepper	pepper	pepper	pepper	pepper	tomato	tomato	
Rating Data Type	other	other	us fancy	us fancy	ALL fruit	ALL fruit	jumbo	jumbo	
Rating Unit	#/20plan	lb/20pla	#/20plan	lb/20pla	#/20plan	lb/20pla	#/5plant	lb/5plan	
Rating Date	Oct-26-05	Oct-26-05	Oct-26-05	Oct-26-05	Oct-26-05	Oct-26-05	Oct-17-05	Oct-17-05	
Trt-Eval Interval	105 DA-A	105 DA-A	105 DA-A	105 DA-A	105 DA-A	105 DA-A	96 DA-A	96 DA-A	
ARM Action Codes			T14	T15	T16	T17			
# Subsamples, Dec.			1	1		1			
Trt Treatment									
No. Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
	Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit	
1 Goal	1 pt/a	19	3	80.0	28.5	111	13.4	38	22
2 Goal	2 pt/a	29	5	80.0	29.4	123	15.9	27	20
3 Reflex	1 pt/a	16	2	74.3	26.1	108	14.8	26	20
4 Reflex	2 pt/a	21	4	78.7	29.2	113	17.7	43	24
5 V10142	0.075 lb ai/a	24	5	70.7	27.0	107	15.5	39	24
6 V10142	0.15 lb ai/a	18	2	75.0	27.9	103	12.3	31	19
7 Non-treated		20	3	93.0	33.5	124	14.3	42	25
8 Dual Magnum	1 pt/a	40	7	68.3	26.4	124	19.8	31	20
LSD (P=.05)		21.6	3.3	29.50	10.90	28.0	6.30	18.0	8.3
Standard Deviation		12.3	1.9	16.84	6.22	16.0	3.60	10.3	4.7
CV		52.6	47.4	21.73	21.83	14.0	23.28	29.69	21.78

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 171: T14 = [156]+[159]+[161]+[163]+[165]

Column 172: T15 = [158]+[160]+[162]+[164]+[166]

Column 173: T16 = [171]+[167]+[169]

Column 174: T17 = [166]+[168]+[170]

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Weed Code		harv 1	harv 1	harv 1	harv 1	harv 1	harv 1	harv 1	harv 1
Crop Code		tomato	tomato	tomato	tomato	tomato	tomato	tomato	tomato
Rating Data Type		large	large	medium	medium	small	small	exsmall	exsmall
Rating Unit		#/5plant	lb/5plan	#/5plant	lb/5plan	#/5plant	lb/5plan	#/5plant	lb/5plan
Rating Date		Oct-17-05	Oct-17-05	Oct-17-05	Oct-17-05	Oct-17-05	Oct-17-05	Oct-17-05	Oct-17-05
Trt-Eval Interval		96 DA-A	96 DA-A	96 DA-A	96 DA-A	96 DA-A	96 DA-A	96 DA-A	96 DA-A
ARM Action Codes									
# Subsamples, Dec.									
Trt Treatment	Rate								
No. Name	Rate Unit	177	178	179	180	181	182	183	184
1 Goal	1 pt/a	50	20	45	12	21	4	37	5
2 Goal	2 pt/a	46	21	55	18	16	5	38	7
3 Reflex	1 pt/a	55	23	60	18	21	5	42	6
4 Reflex	2 pt/a	62	23	61	16	16	3	36	4
5 V10142	0.075 lb ai/a	46	19	53	15	15	3	42	5
6 V10142	0.15 lb ai/a	46	21	67	17	19	4	35	4
7 Non-treated		53	24	63	16	18	4	40	5
8 Dual Magnum	1 pt/a	44	21	45	13	20	4	32	4
LSD (P=.05)		20.4	5.8	23.6	5.7	10.7	3.0	19.2	2.9
Standard Deviation		11.7	3.3	13.5	3.3	6.1	1.7	10.9	1.7
CV		23.18	15.2	23.96	20.92	33.59	43.39	29.04	34.22

Means followed by same letter do not significantly differ (P=.05, LSD)

University of Georgia

Weed Code	harv 1	harv 1	harv 1	harv 1	
Crop Code	tomato	tomato	tomato	tomato	
Rating Data Type	cull	cull	ALL fruit	ALL fruit	
Rating Unit	#/5plant	lb/5plan	#/5plant	lb/5plan	
Rating Date	Oct-17-05	Oct-17-05	Oct-17-05	Oct-17-05	
Trt-Eval Interval	96 DA-A	96 DA-A	96 DA-A	96 DA-A	
ARM Action Codes			T18	T19	
# Subsamples, Dec.			1	1	
Trt No.	185	186	187	188	
Treatment Name					
Rate					
Unit					
1 Goal	1 pt/a	9	3	152.3	40.5
2 Goal	2 pt/a	11	6	155.7	50.1
3 Reflex	1 pt/a	10	3	177.7	51.4
4 Reflex	2 pt/a	13	4	174.0	46.7
5 V10142	0.075 lb ai/a	16	6	156.7	42.9
6 V10142	0.15 lb ai/a	14	5	166.3	46.3
7 Non-treated		18	7	175.0	48.4
8 Dual Magnum	1 pt/a	17	5	141.7	42.8
LSD (P=.05)		9.4	4.1	47.34	12.79
Standard Deviation		5.4	2.3	27.03	7.30
CV		39.72	46.26	16.64	15.84

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 187: T18 = [177]+[179]+[181]+[183]

Column 188: T19 = [178]+[180]+[182]+[184]

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Tomato, eggplant, and pepper response to Goal, Reflex, and V-10142.

Trial ID: Veg47-05 Study Dir.: Stanley Culpepper
Location: Ponder farm (5158) Investigator: Stanley Culpepper

GENERAL TRIAL INFORMATION

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

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

TRIAL LOCATION

City: TyTy **Trial Status:** completed
State/Prov.: GA **Trial Reliability:** excellent
Postal Code: 31794 **Initiation Date:** Jul-13-05
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.	CYPRO	purple nutsedge	

Crop 1: CPSAN PEPPER **Variety:** Plato Bell Pepper
Planting Date: Jul-28-05 **Planting Method:** transplant
Rate: 1 ft **Depth:** 1 in **Perennial Age:** _____
Row Spacing: 15 inch **Spacing Within Row:** 12 inch **Seed Bed:** plasticulture
Soil Temperature: 90 F **Soil Moisture:** drip **Emergence Date:** _____

Crop 2: SOLME EGGPLANT **Variety:** Santana
Planting Date: Jul-28-05 **Planting Method:** transplant
Rate: 1 18 in **Depth:** 1 in **Perennial Age:** _____
Row Spacing: 6 foot **Spacing Within Row:** 18 inch **Seed Bed:** plasticulture
Soil Temperature: 90 F **Soil Moisture:** drip **Emergence Date:** _____

Crop 3: LYPES TOMATO **Variety:** BHN 640
Planting Date: Jul-28-05 **Planting Method:** transplant
Rate: 1 18 in **Depth:** 1 in **Perennial Age:** _____
Row Spacing: 6 foot **Spacing Within Row:** 18 inch **Seed Bed:** plasticulture
Soil Temperature: 90 F **Soil Moisture:** drip **Emergence Date:** _____

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SITE AND DESIGN

Plot Width, Unit: 6 FT Plot Length, Unit: 65 FT Reps: 3
 Site Type: research station
 Tillage Type: plasticulture 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: 94 % OM: 1.1 Texture: loamy sand
 % Silt: 2 pH: 6.8 Soil Name: _____
 % Clay: 4 CEC: _____ Fert. Level: _____

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

Overall Moisture Conditions: drip

Closest Weather Station: _____ Distance: _____ Unit: ____

APPLICATION DESCRIPTION

	A	B
Application Date:	Jul-13-05	Aug-18-05
Time of Day:	1 pm	12 pm
Application Method:	broadcast	broadcast
Application Timing:	PRE	POST
Applic. Placement:	un mulch	overtop
Air Temp., Unit:	92 F	88 F
% Relative Humidity:	54	50
Wind Velocity, Unit:	2 mph	2 mph
Dew Presence (Y/N):	n	n
Water Hardness:		
Soil Temp., Unit:	90 F	94 F
Soil Moisture:	moist	moist
% Cloud Cover:	70	25

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CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	CPSAN preplant	CPSAN POST
Stage Scale:	not up	6 leaf
Height, Unit:	0 in	6 inch
Crop 2 Code, Stage:	SOLME preplant	SOLME POST
Stage Scale:	not up	12 leaf
Height, Unit:	0 in	11 inch
Crop 3 Code, Stage:	LYPES preplant	LYPES POST
Stage Scale:	not up	11 leaf
Height, Unit:	0 in	10 inch

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	CYPRO preplant	CYPRO POST
Stage Scale:	not up	4 to 6 bl
Density, Unit:	see data	3 ydsq

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	sup.bedde	backpack
Operating Pressure:	28	23
Nozzle Type:	flat fan	flat fan
Nozzle Size:	11002	11002
Nozzle Spacing, Unit:	10 inch	18 inch
Nozzles/Row:	4	4
Band Width, Unit:		
Boom Length, Unit:		4.5 feet
Boom Height, Unit:		15 inch
Ground Speed, Unit:	3 mph	3 mph
Incorporation Equip.:		
Hours to Incorp.:		
Incorp. Depth, Unit:		
Carrier:	water	water
Spray Volume, Unit:	20.6 GPA	14.8 GPA
Spray pH:		
Propellant:	CO2	CO2
Tank Mix (Y/N):	Y	Y

Trt No	Treatment Application Comment