



# University of Georgia

4. POST applications of 10142 stunted pepper 10 to 15%.
5. Post applications of 10142 following PRE applications did not increase the level of injury.

## PEPPER STAND:

1. Treatments did not impact pepper stand.

## PEPPER HEIGHTS (20 plants per plot measured each time):

1. On April 18, pepper had just began to grow. Data noted a clear trend for smaller plants in plots receiving all PRE treatments.
2. On May 3, all treatments reduced pepper heights at least 20% compared to the non-treated control.

## PEPPER YIELD (Jumbo pepper fruit were harvested 4 times from the entire 30 plants per plot):

1. As usual, yield was variable and harvest should be taken on at least 40 plants instead of 30 as noted in this trial.
2. No statistical differences were noted; however, it was evident that with greater than 70 fruit weighting at least 29 lbs per plot that the following four systems caused less negative impact on pepper production: the non-treated, Dual Mag under mulch, and the two V-10142 POST treatments.

# University of Georgia

**Bell pepper and nutsedge response to V-10142 applied preplant and postemergence.**

Trial ID: Veg16-06

Study Dir.: Stanley Culpepper

Location: Ponder (5157)

Investigator: Stanley Culpepper

Weed Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	plant 1	plant 2		
Crop Code	injury	injury	injury	injury	injury	# 15 ft	CPSAN	CPSAN		
Rating Data Type	%	%	%	%	%	plants	ht	ht		
Rating Unit						cm	cm	cm		
Rating Date	Mar-21-06	Mar-29-06	Apr-22-06	Apr-28-06	May-06-06	Jul-17-06	Apr-18-06	Apr-18-06		
Trt-Eval Interval	14 DA-A	22 DA-A	46 DA-A	52 DA-A	60 DA-A	132 DA-A	42 DA-A	42 DA-A		
ARM Action Codes										
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
		Unit	Unit	Unit	Unit	Unit	Unit	Unit		
			1	2	3	4	5	6		
			7	8						
1	V-10142	0.2 LB A/A	0 a	0 b	38 a	34 a	24 b	13 a	16 a	17 a
2	V-10142	0.3 LB A/A	0 a	0 b	31 a	21 a-d	24 b	13 a	20 a	20 a
3	V-10142	0.4 LB A/A	0 a	0 b	35 a	28 ab	34 a	14 a	19 a	19 a
4	Dual Magnum	1 PT/A	0 a	0 b	10 b	13 cd	12 c	14 a	20 a	16 a
5	V-10142	0.2 LB A/A	0 a	0 b	4 b	11 de	12 c	14 a	20 a	19 a
	NIS	0.25 % V/V								
6	V-10142	0.3 LB A/A	0 a	0 b	5 b	13 cd	11 c	13 a	21 a	20 a
	NIS	0.25 % V/V								
7	Sandea	0.5 OZ/A	0 a	0 b	3 b	21 a-d	14 c	13 a	19 a	21 a
	NIS	0.25 % V/V								
8	Envoke	0.1 OZ/A	0 a	0 b	5 b	20 bcd	15 c	13 a	19 a	16 a
	NIS	0.25 % V/V								
9	Non-treated		0 a	0 b	0 b	0 e	0 d	13 a	21 a	21 a
10	V-10142	0.2 LB A/A	0 a	1 a	38 a	28 ab	25 b	13 a	18 a	21 a
	V-10142	0.2 LB A/A								
	NIS	0.25 % V/V								
11	V-10142	0.3 LB A/A	0 a	0 b	35 a	26 abc	25 b	14 a	18 a	19 a
	V-10142	0.2 LB A/A								
	NIS	0.25 % V/V								
12	V-10142	0.4 LB A/A	0 a	0 b	28 a	25 abc	30 ab	13 a	19 a	18 a
	V-10142	0.2 LB A/A								
	NIS	0.25 % V/V								
LSD (P=.05)			0.0	1.0	14.7	12.1	7.3	1.9	5.5	7.4
Standard Deviation			0.0	0.7	10.2	8.4	5.1	1.3	3.8	5.2
CV			0.0	692.82	53.27	41.95	27.17	10.04	19.89	27.5
Bartlett's X2			0.0	0.0	10.676	14.997	12.716	13.789	10.215	32.331
P(Bartlett's X2)			.	.	0.383	0.132	0.176	0.183	0.511	0.001*

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

## University of Georgia

Weed Code	plant 3 CPSAN	plant 4 CPSAN	plant 5 CPSAN	plant 6 CPSAN	plant 7 CPSAN	plant 8 CPSAN	plant 9 CPSAN	plant 10 CPSAN			
Crop Code	ht	ht	ht	ht	ht	ht	ht	ht			
Rating Data Type	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Unit	Apr-18-06	Apr-18-06	Apr-18-06	Apr-18-06	Apr-18-06	Apr-18-06	Apr-18-06	Apr-18-06			
Rating Date	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A			
Trt-Eval Interval	ARM Action Codes										
ARM Action Codes											
Trt No.	Treatment Name	Rate	Unit	9	10	11	12	13	14	15	16
1	V-10142	0.2	LB A/A	19 ab	20 a	18 a	18 a	17 bc	16 d	17 ab	15 ab
2	V-10142	0.3	LB A/A	14 b	20 a	19 a	18 a	20 abc	20 a-d	18 ab	17 ab
3	V-10142	0.4	LB A/A	17 ab	19 a	19 a	18 a	19 abc	17 bcd	18 ab	18 ab
4	Dual Magnum	1	PT/A	21 a	19 a	21 a	14 a	18 abc	20 a-d	18 ab	19 a
5	V-10142 NIS	0.2 0.25	LB A/A % V/V	18 ab	20 a	20 a	21 a	20 ab	21 ab	20 ab	20 a
6	V-10142 NIS	0.3 0.25	LB A/A % V/V	21 a	21 a	19 a	19 a	23 a	21 abc	22 a	19 a
7	Sandea NIS	0.5 0.25	OZ/A % V/V	21 a	20 a	21 a	21 a	22 a	21 ab	21 ab	19 a
8	Envoke NIS	0.1 0.25	OZ/A % V/V	21 a	21 a	21 a	18 a	22 ab	20 a-d	20 ab	21 a
9	Non-treated			19 ab	22 a	20 a	21 a	22 a	22 a	21 ab	21 a
10	V-10142 V-10142 NIS	0.2 0.2 0.25	LB A/A LB A/A % V/V	17 ab	18 a	16 a	18 a	15 c	16 cd	17 b	20 a
11	V-10142 V-10142 NIS	0.3 0.2 0.25	LB A/A LB A/A % V/V	19 ab	18 a	42 a	16 a	17 abc	15 d	16 b	12 b
12	V-10142 V-10142 NIS	0.4 0.2 0.25	LB A/A LB A/A % V/V	20 ab	21 a	20 a	22 a	21 ab	19 a-d	18 ab	18 ab
LSD (P=.05)				5.2	5.1	22.2	7.5	4.7	4.2	4.4	5.4
Standard Deviation				3.6	3.5	15.4	5.2	3.3	2.9	3.1	3.7
CV				19.36	17.93	72.61	27.94	16.96	15.39	16.28	20.47
Bartlett's X2				29.89	9.838	96.533	24.002	19.984	18.035	10.169	23.237
P(Bartlett's X2)				0.002*	0.545	0.001*	0.013*	0.046*	0.081	0.515	0.016*

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

## University of Georgia

Weed Code	plant 11 CPSAN	plant 12 CPSAN	plant 13 CPSAN	plant 14 CPSAN	plant 15 CPSAN	plant 16 CPSAN	plant 17 CPSAN	plant 18 CPSAN			
Crop Code											
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Apr-18-06	Apr-18-06	Apr-18-06	Apr-18-06	Apr-18-06	Apr-18-06	Apr-18-06	Apr-18-06			
Trt-Eval Interval	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A			
ARM Action Codes											
Trt No.	Treatment Name	Rate	Unit	17	18	19	20	21	22	23	24
1	V-10142	0.2	LB A/A	16 a	19 a	18 ab	19 ab	17 abc	16 a	18 ab	11 c
2	V-10142	0.3	LB A/A	17 a	16 a	18 ab	17 ab	18 abc	19 a	20 ab	15 abc
3	V-10142	0.4	LB A/A	16 a	15 a	16 b	10 b	14 c	19 a	17 b	19 ab
4	Dual Magnum	1	PT/A	20 a	20 a	20 ab	18 ab	22 a	16 a	17 ab	20 ab
5	V-10142 NIS	0.2 0.25	LB A/A % V/V	20 a	21 a	19 ab	20 ab	21 a	20 a	21 ab	22 a
6	V-10142 NIS	0.3 0.25	LB A/A % V/V	18 a	19 a	20 ab	15 ab	20 ab	20 a	22 a	21 ab
7	Sandea NIS	0.5 0.25	OZ/A % V/V	19 a	21 a	19 ab	18 ab	22 a	15 a	20 ab	18 ab
8	Envoke NIS	0.1 0.25	OZ/A % V/V	21 a	18 a	22 a	19 ab	21 ab	22 a	21 ab	22 a
9	Non-treated			22 a	16 a	20 ab	19 ab	19 abc	21 a	20 ab	20 ab
10	V-10142 V-10142 NIS	0.2 0.2 0.25	LB A/A LB A/A % V/V	18 a	16 a	16 b	13 ab	14 c	17 a	18 ab	14 bc
11	V-10142 V-10142 NIS	0.3 0.2 0.25	LB A/A LB A/A % V/V	14 a	19 a	17 ab	20 ab	15 bc	18 a	17 ab	16 abc
12	V-10142 V-10142 NIS	0.4 0.2 0.25	LB A/A LB A/A % V/V	23 a	19 a	20 ab	21 a	18 abc	20 a	19 ab	17 abc
LSD (P=.05)				7.4	7.6	4.9	8.8	5.1	7.1	4.8	6.4
Standard Deviation				5.1	5.3	3.4	6.1	3.5	4.9	3.3	4.4
CV				27.37	29.15	18.17	35.49	19.04	26.56	17.31	24.8
Bartlett's X2				10.884	17.116	12.532	19.298	16.511	17.051	8.668	18.984
P(Bartlett's X2)				0.453	0.104	0.325	0.056	0.123	0.106	0.652	0.061

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

# University of Georgia

Weed Code	plant 19 CPSAN	plant 20 CPSAN	Avg.20pl CPSAN	plant 1 CPSAN	plant 2 CPSAN	plant 3 CPSAN	plant 4 CPSAN	plant 5 CPSAN			
Crop Code											
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Apr-18-06	Apr-18-06	Apr-18-06	May-03-06	May-03-06	May-03-06	May-03-06	May-03-06			
Trt-Eval Interval	42 DA-A	42 DA-A	42 DA-A	57 DA-A	57 DA-A	57 DA-A	57 DA-A	57 DA-A			
ARM Action Codes			T5								
Trt No.	Treatment Name	Rate	Rate Unit	25	26	27	28	29	30	31	32
1	V-10142	0.2 LB A/A		18 ab	19 abc	17 a	30 bc	30 a	30 ab	33 ab	29 abc
2	V-10142	0.3 LB A/A		19 ab	20 ab	18 a	31 abc	33 a	32 ab	30 ab	31 abc
3	V-10142	0.4 LB A/A		17 b	15 c	17 a	32 abc	29 a	31 ab	30 ab	32 ab
4	Dual Magnum	1 PT/A		16 b	19 abc	19 a	36 ab	31 a	35 a	32 ab	34 ab
5	V-10142 NIS	0.2 LB A/A 0.25 % V/V		21 ab	21 ab	20 a	32 abc	26 a	31 ab	31 ab	33 ab
6	V-10142 NIS	0.3 LB A/A 0.25 % V/V		21 ab	22 a	20 a	34 abc	33 a	30 ab	33 ab	31 ab
7	Sandea NIS	0.5 OZ/A 0.25 % V/V		23 a	20 ab	20 a	29 bc	30 a	29 ab	30 ab	30 abc
8	Envoke NIS	0.1 OZ/A 0.25 % V/V		20 ab	21 ab	20 a	27 c	28 a	29 ab	30 ab	30 abc
9	Non-treated			21 ab	20 ab	20 a	37 a	33 a	35 a	34 a	35 a
10	V-10142 V-10142 NIS	0.2 LB A/A 0.2 LB A/A 0.25 % V/V		17 b	18 abc	17 a	29 bc	29 a	27 b	26 b	28 bc
11	V-10142 V-10142 NIS	0.3 LB A/A 0.2 LB A/A 0.25 % V/V		16 b	17 bc	18 a	29 bc	27 a	27 b	28 ab	25 c
12	V-10142 V-10142 NIS	0.4 LB A/A 0.2 LB A/A 0.25 % V/V		18 ab	18 abc	19 a	27 c	30 a	29 ab	30 ab	29 abc
LSD (P=.05)				5.1	4.2	3.6	6.6	7.8	5.3	6.1	5.2
Standard Deviation				3.5	2.9	2.5	4.6	5.4	3.6	4.2	3.6
CV				18.98	15.23	13.22	14.69	18.08	12.1	13.79	11.72
Bartlett's X2				12.3	12.457	11.668	13.925	7.842	6.155	13.959	17.104
P(Bartlett's X2)				0.342	0.33	0.389	0.237	0.727	0.863	0.235	0.105

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

Column 27: T5 = @AVG([C7].[C26])

## University of Georgia

Weed Code	plant 6	plant 7	plant 8	plant 9	plant 10	plant 11	plant 12	plant 13			
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN			
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	May-03-06	May-03-06	May-03-06	May-03-06	May-03-06	May-03-06	May-03-06	May-03-06			
Trt-Eval Interval	57 DA-A	57 DA-A	57 DA-A	57 DA-A	57 DA-A	57 DA-A	57 DA-A	57 DA-A			
ARM Action Codes											
Trt No.	Treatment Name	Rate	Unit	33	34	35	36	37	38	39	40
1	V-10142	0.2 LB	A/A	29 ab	28 b	32 ab	27 b	29 ab	38 ab	38 ab	38 ab
2	V-10142	0.3 LB	A/A	33 ab	32 ab	27 b	31 ab	33 ab	33 ab	34 ab	30 abc
3	V-10142	0.4 LB	A/A	34 a	34 ab	32 ab	31 ab	32 ab	30 ab	29 b	25 c
4	Dual Magnum	1 PT	A	32 ab	28 b	32 ab	32 ab	35 a	37 ab	37 ab	36 abc
5	V-10142 NIS	0.2 LB 0.25 %	A/A V/V	35 a	32 ab	34 ab	33 ab	33 ab	30 ab	33 ab	37 abc
6	V-10142 NIS	0.3 LB 0.25 %	A/A V/V	31 ab	33 ab	32 ab	32 ab	29 ab	32 ab	38 ab	36 abc
7	Sandea NIS	0.5 OZ 0.25 %	A V/V	31 ab	32 ab	29 b	29 ab	29 ab	32 ab	32 ab	35 abc
8	Envoke NIS	0.1 OZ 0.25 %	A V/V	30 ab	27 b	29 b	28 ab	28 b	25 b	33 ab	32 abc
9	Non-treated			35 a	38 a	38 a	35 a	34 ab	42 a	39 a	39 a
10	V-10142 V-10142 NIS	0.2 LB 0.2 LB 0.25 %	A/A A/A V/V	26 b	29 b	29 b	29 ab	28 b	31 ab	32 ab	26 bc
11	V-10142 V-10142 NIS	0.3 LB 0.2 LB 0.25 %	A/A A/A V/V	30 ab	26 b	27 b	28 ab	30 ab	30 ab	34 ab	31 abc
12	V-10142 V-10142 NIS	0.4 LB 0.2 LB 0.25 %	A/A A/A V/V	32 ab	29 b	29 b	27 b	29 ab	31 ab	33 ab	31 abc
LSD (P=.05)				6.6	6.3	7.0	6.6	5.8	13.0	8.2	10.3
Standard Deviation				4.6	4.4	4.8	4.6	4.0	9.0	5.7	7.1
CV				14.45	14.25	15.76	15.26	13.13	27.86	16.63	21.66
Bartlett's X2				12.215	14.61	3.913	15.937	22.143	13.834	6.77	16.342
P(Bartlett's X2)				0.348	0.201	0.972	0.143	0.023*	0.242	0.817	0.129

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

# University of Georgia

Weed Code	plant 14	plant 15	plant 16	plant 17	plant 18	plant 19	plant 20	Avg20pla			
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN			
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	May-03-06	May-03-06	May-03-06	May-03-06	May-03-06	May-03-06	May-03-06	May-03-06			
Trt-Eval Interval	57 DA-A	57 DA-A	57 DA-A	57 DA-A	57 DA-A	57 DA-A	57 DA-A	57 DA-A			
ARM Action Codes								T6			
Trt No.	Treatment Name	Rate	Unit	41	42	43	44	45	46	47	48
1	V-10142	0.2 LB	A/A	35 b	36 ab	33 bc	28 bc	32 ab	34 abc	36 abc	32 b
2	V-10142	0.3 LB	A/A	33 b	34 ab	37 ab	38 a	35 ab	38 ab	34 abc	33 b
3	V-10142	0.4 LB	A/A	27 b	34 ab	33 abc	36 ab	34 ab	26 c	25 d	31 b
4	Dual Magnum	1 PT	A	40 b	35 ab	36 abc	34 abc	32 ab	37 ab	39 abc	34 b
5	V-10142 NIS	0.2 LB 0.25 %	A/A V/V	34 b	34 ab	36 abc	36 ab	37 ab	37 ab	38 abc	33 b
6	V-10142 NIS	0.3 LB 0.25 %	A/A V/V	37 b	36 ab	41 a	38 a	39 a	38 ab	41 a	35 b
7	Sandea NIS	0.5 OZ 0.25 %	A V/V	34 b	33 ab	29 c	33 abc	37 ab	34 abc	31 cd	31 b
8	Envoke NIS	0.1 OZ 0.25 %	A V/V	33 b	35 ab	34 abc	35 ab	32 ab	33 abc	35 abc	30 b
9	Non-treated			124 a	42 a	41 a	40 a	39 a	41 a	41 ab	42 a
10	V-10142 V-10142 NIS	0.2 LB 0.2 LB 0.25 %	A/A A/A V/V	29 b	32 b	32 bc	24 c	30 b	32 abc	32 a-d	29 b
11	V-10142 V-10142 NIS	0.3 LB 0.2 LB 0.25 %	A/A A/A V/V	30 b	30 b	31 bc	30 abc	30 b	28 bc	32 bcd	29 b
12	V-10142 V-10142 NIS	0.4 LB 0.2 LB 0.25 %	A/A A/A V/V	30 b	34 ab	32 bc	28 bc	29 b	29 bc	31 cd	30 b
LSD (P=.05)				71.7	8.2	6.7	8.8	7.5	8.1	7.7	6.1
Standard Deviation				49.7	5.7	4.7	6.1	5.2	5.6	5.3	4.2
CV				122.98	16.51	13.53	18.37	15.35	16.67	15.52	13.05
Bartlett's X2				132.246	14.139	6.571	11.721	16.008	17.359	11.68	11.757
P(Bartlett's X2)				0.001*	0.225	0.833	0.385	0.141	0.098	0.388	0.382

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

Column 48: T6 = @AVG([C28].[C47])

## University of Georgia

Weed Code	harv 1 CPSAN	harv 1 CPSAN	harv 2 CPSAN	harv 2 CPSAN	harv 3 CPSAN	harv 3 CPSAN	harv 4 CPSAN	harv 4 CPSAN	
Crop Code	#	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb	
Rating Data Type	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	
Rating Unit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	
Rating Date	Jun-02-06	Jun-02-06	Jun-09-06	Jun-09-06	Jun-19-06	Jun-19-06	Jun-14-06	Jun-14-06	
Trt-Eval Interval	87 DA-A	87 DA-A	94 DA-A	94 DA-A	104 DA-A	104 DA-A	99 DA-A	99 DA-A	
ARM Action Codes									
Trt Treatment	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
No. Name	Rate Unit	49	50	51	52	53	54	55	
1 V-10142	0.2 LB A/A	8 a	3 a	20 ab	8 ab	15 a	6 a	24 ab	9 ab
2 V-10142	0.3 LB A/A	9 a	3 a	23 ab	10 ab	16 a	6 a	18 ab	7 bc
3 V-10142	0.4 LB A/A	8 a	3 a	23 ab	8 ab	18 a	7 a	20 ab	8 abc
4 Dual Magnum	1 PT/A	12 a	5 a	26 a	11 a	17 a	7 a	18 ab	7 bc
5 V-10142	0.2 LB A/A	13 a	5 a	24 ab	10 ab	21 a	8 a	18 ab	7 bc
NIS	0.25 % V/V								
6 V-10142	0.3 LB A/A	12 a	4 a	25 ab	10 ab	16 a	5 a	23 ab	9 ab
NIS	0.25 % V/V								
7 Sandea	0.5 OZ/A	12 a	4 a	15 b	6 b	11 a	4 a	17 b	6 c
NIS	0.25 % V/V								
8 Envoke	0.1 OZ/A	8 a	3 a	18 ab	7 ab	21 a	7 a	19 ab	7 bc
NIS	0.25 % V/V								
9 Non-treated		11 a	4 a	23 ab	9 ab	20 a	7 a	24 ab	9 abc
10 V-10142	0.2 LB A/A	10 a	4 a	23 ab	9 ab	12 a	4 a	21 ab	9 abc
V-10142	0.2 LB A/A								
NIS	0.25 % V/V								
11 V-10142	0.3 LB A/A	10 a	3 a	21 ab	9 ab	12 a	5 a	25 a	11 a
V-10142	0.2 LB A/A								
NIS	0.25 % V/V								
12 V-10142	0.4 LB A/A	16 a	6 a	22 ab	9 ab	10 a	3 a	23 ab	9 abc
V-10142	0.2 LB A/A								
NIS	0.25 % V/V								
LSD (P=.05)		8.6	3.6	8.6	4.2	11.5	4.6	6.6	2.5
Standard Deviation		6.0	2.5	6.0	2.9	8.0	3.2	4.6	1.7
CV		56.34	65.38	27.49	33.05	51.07	54.66	21.98	21.28
Bartlett's X2		23.181	23.553	18.936	20.091	27.59	19.424	22.954	20.083
P(Bartlett's X2)		0.017*	0.015*	0.062	0.044*	0.004*	0.054	0.018*	0.044*

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

## University of Georgia

Weed Code	harv1&2	harv1&2	harv1-4	harv1-4			
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN			
Rating Data Type	#	wt/lb	#	wt/lb			
Rating Unit	fruit	fruit	fruit	fruit			
Rating Date	Nov-05-06	Nov-05-06	Nov-05-06	Nov-05-06			
Trt-Eval Interval							
ARM Action Codes	T1	T2	T3	T4			
Trt No.	Treatment Name	Rate	Unit	57	58	59	60
1	V-10142	0.2	LB A/A	28 a	11 a	67 ab	26 ab
2	V-10142	0.3	LB A/A	32 a	13 a	66 ab	25 ab
3	V-10142	0.4	LB A/A	31 a	11 a	69 ab	26 ab
4	Dual Magnum	1	PT/A	38 a	15 a	73 a	29 a
5	V-10142 NIS	0.2 0.25	LB A/A % V/V	37 a	15 a	77 a	30 a
6	V-10142 NIS	0.3 0.25	LB A/A % V/V	36 a	14 a	75 a	29 a
7	Sandea NIS	0.5 0.25	OZ/A % V/V	27 a	10 a	54 b	20 b
8	Envoke NIS	0.1 0.25	OZ/A % V/V	26 a	10 a	65 ab	25 ab
9	Non-treated			34 a	13 a	77 a	30 a
10	V-10142 V-10142 NIS	0.2 0.2 0.25	LB A/A LB A/A % V/V	33 a	13 a	65 ab	26 ab
11	V-10142 V-10142 NIS	0.3 0.2 0.25	LB A/A LB A/A % V/V	30 a	12 a	68 ab	27 a
12	V-10142 V-10142 NIS	0.4 0.2 0.25	LB A/A LB A/A % V/V	37 a	15 a	70 a	27 a
LSD (P=.05)				12.9	5.9	13.4	5.5
Standard Deviation				8.9	4.1	9.3	3.8
CV				27.69	32.44	13.54	14.28
Bartlett's X2				12.291	11.398	19.939	17.474
P(Bartlett's X2)				0.342	0.411	0.046*	0.095

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

Column 57: T1 = ([C49]+[C51])

Column 58: T2 = ([C50]+[C52])

Column 59: T3 = ([C49]+[C51]+[C53]+[C55])

Column 60: T4 = ([C50]+[C52]+[C54]+[C56])



# University of Georgia

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

**SOIL DESCRIPTION**

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

**ADDITIONAL MEASURED ELEMENTS**

Element	Quantity	Unit

**MOISTURE CONDITIONS**

No.	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

Overall Moisture Conditions: drip

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

**APPLICATION DESCRIPTION**

	A	B
Application Date:	Mar-07-06	Apr-17-06
Time of Day:	9 am	9 am
Application Method:	Broadcast	Broadcast
Application Timing:	PRE U PL	POST
Applic. Placement:	Un mulch	overtop
Air Temp., Unit:	63 F	76 F
% Relative Humidity:	65	61
Wind Velocity, Unit:	6 mph	4 mph
Dew Presence (Y/N):	n	n
Water Hardness:		
Soil Temp., Unit:	65 F	82 F
Soil Moisture:	moist	
% Cloud Cover:	0	0

**CROP STAGE AT EACH APPLICATION**

	A	B
Crop 1 Code, Stage:	CPSAN preplant	CPSAN POST
Stage Scale:	not plant	E. bloom
Height, Unit:	0 inch	10 in

**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>	backpack	backpack
<b>Operating Pressure:</b>	24	22
<b>Nozzle Type:</b>	flat fan	flat fan
<b>Nozzle Size:</b>	11002	11002
<b>Nozzle Spacing, Unit:</b>	12 inch	18 inch
<b>Nozzles/Row:</b>	3	3
<b>Band Width, Unit:</b>		
<b>Boom Length, Unit:</b>	6 ft	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>	25 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