

University of Georgia

Pepper response to V-10142 and Chateau.

Trial ID: Veg15-07
Location: Ponder Farm

Study Dir.: Stanley Culpepper
Investigator: Stanley Culpepper

Reps: 3 Plots: 6 by 30 feet
Spray vol: 14.8 gal/ac Mix size: 1 liters (min .69451)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Form Rate	Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Plot No. By Rep		
										1	2	3
1	V-10142	75		WG	0.2	LB	A/A	PD	2.159 g/mx	101	204	301
	NIS		L		0.25	%	V/V	PD	2.5 ml/mx			
2	V-10142	75		WG	0.4	LB	A/A	PD	4.318 g/mx	102	206	305
	NIS		L		0.25	%	V/V	PD	2.5 ml/mx			
3	Sandea	75		WG	0.047	LB	A/A	PD	0.5074 g/mx	103	209	302
	NIS		L		0.25	%	V/V	PD	2.5 ml/mx			
4	Chateau	51		WDG	3	OZ/A	RM	A	1.518 g/mx	104	205	306
	V-10142	75		WG	0.2	LB	A/A	RM	2.159 g/mx			
	COC		L		1	%	V/V	RM	9.999 ml/mx			
5	Chateau	51		WDG	3	OZ/A	RM	A	1.518 g/mx	105	207	308
	V-10142	75		WG	0.3	LB	A/A	RM	3.239 g/mx			
	COC		L		1	%	V/V	RM	9.999 ml/mx			
6	Sandea	75		WG	0.047	LB	A/A	RM	0.5074 g/mx	106	202	309
	Chateau	51		WDG	3	OZ/A	RM	A	1.518 g/mx			
	COC		L		1	%	V/V	RM	9.999 ml/mx			
7	V-10142	75		WG	0.2	LB	A/A	RM	2.159 g/mx	107	203	307
	NIS		L		1	%	V/V	RM	9.999 ml/mx			
8	V-10142	75		WG	0.4	LB	A/A	RM	4.318 g/mx	108	212	311
	NIS		L		1	%	V/V	RM	9.999 ml/mx			
9	V-10142	75		WG	0.2	LB	A/A	RM	2.159 g/mx	109	208	310
	NIS		L		1	%	V/V	RM	9.999 ml/mx			
	V-10142	75		WG	0.2	LB	A/A	PD	2.159 g/mx			
	NIS		L		1	%	V/V	PD	9.999 ml/mx			
10	V-10142	75		WG	0.4	LB	A/A	RM	4.318 g/mx	110	211	303
	NIS		L		1	%	V/V	RM	9.999 ml/mx			
	V-10142	75		WG	0.4	LB	A/A	PD	4.318 g/mx			
	NIS		L		1	%	V/V	PD	9.999 ml/mx			
11	Non-treated								111	210	312	
12	Chateau	51		WG	3	OZ/A	RM	A	1.518 g/mx	112	201	304
	NIS		L		0.25	%	V/V	RM	2.5 ml/mx			
	Dual Magnum	7.62	L		1	PT/A	RM	A	8.445 ml/mx			

Sort Order: Treatment

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

Amount*	Unit	Treatment Name	Form Conc	Form Type	Lot Code
39.132	g	V-10142	75	WG	
87.491	ml	NIS		L	
1.268	g	Sandea	75	WG	
5.693	g	Chateau	51	WDG	
37.496	ml	COC		L	
1.898	g	Chateau	51	WG	
10.556	ml	Dual Magnum	7.62	L	

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

* Product amount calculations increased 25 % for overage adjustment.

* 'Per volume' calculations use spray volume= 14.8 gal/ac, mix size= 1 liters.

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Pepper response to V-10142 and Chateau.

Trial ID: Veg15-07
Location: Ponder Farm

Study Dir.: Stanley Culpepper
Investigator: Stanley Culpepper

Trial Comments

OBJECTIVE: Determine pepper response to preplant Chateau and V-10142 applications and determine if pepper could withstand mid-season directed treatments of V-10142.

VISUAL INJURY:

1. No treatment caused greater than 7% visual chlorosis at any time.
2. A rainfall did occur between applying Chateau and transplanting pepper.

PLANT HEIGHTS:

1. Twenty pepper plants per plot were measured.
2. Visual pepper growth was not impacted by treatments.

WEED CONTROL:

1. Very light populations of wild radish were present. All row middle treatments provided excellent control in mid-April when the weed was maturing out because of temperatures.
2. Ryegrass was planted in the row middles and was 2 inches at time of RM applications. Injury was less than 10% except where Chateau plus Dual Magnum was applied which caused injury from 20 to 40%.

GENERAL COMMENTS:

1. Feb 26: Telone II, Chloropicrin, and Vapam applied as the fumigant across the trial.
2. April 21: Applications were made with a flat fan nozzle directing from the outside of the bed (from both sides).

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Pepper response to V-10142 and Chateau.

Trial ID: Veg15-07

Study Dir.: Stanley Culpepper

Location: Ponder Farm

Investigator: Stanley Culpepper

Weed Code	CPSAN	CSPAN	CSPAN	plant 1	plant 2	plant 3	plant 4	plant 5			
Crop Code	injury	injury	injury	CSPAN	CSPAN	CSPAN	CSPAN	CSPAN			
Rating Data Type	%	%	%	height	height	height	height	height			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Apr-19-07	Apr-30-07	May-14-07	Apr-12-07	Apr-12-07	Apr-12-07	Apr-12-07	Apr-12-07			
Assessed By	SC	SC	SC	-9 DA-A	-9 DA-A	-9 DA-A	-9 DA-A	-9 DA-A			
Trt-Eval Interval	31 DA-A	9 DA-B	23 DA-B								
ARM Action Codes											
Trt No.	Treatment Name	Rate	Unit	1	2	3	4	5	6	7	8
1	V-10142 NIS	0.2 0.25	LB A/A % V/V	0 a	0 b	0 a	15 b	16 ab	18 a	14 c	17 a
2	V-10142 NIS	0.4 0.25	LB A/A % V/V	0 a	0 b	0 a	15 ab	18 ab	18 a	20 ab	19 a
3	Sandea NIS	0.047 0.25	LB A/A % V/V	0 a	7 a	0 a	18 ab	18 ab	19 a	18 abc	19 a
4	Chateau V-10142 COC	3 0.2 1	OZ/A LB A/A % V/V	0 a	0 b	0 a	16 ab	14 b	17 a	19 ab	18 a
5	Chateau V-10142 COC	3 0.3 1	OZ/A LB A/A % V/V	0 a	0 b	0 a	18 ab	18 ab	16 a	19 ab	20 a
6	Sandea Chateau COC	0.047 3 1	LB A/A OZ/A % V/V	0 a	0 b	0 a	18 ab	19 a	18 a	20 ab	18 a
7	V-10142 NIS	0.2 1	LB A/A % V/V	0 a	0 b	0 a	19 ab	18 ab	19 a	18 ab	19 a
8	V-10142 NIS	0.4 1	LB A/A % V/V	0 a	0 b	0 a	20 a	19 a	18 a	16 bc	18 a
9	V-10142 NIS V-10142 NIS	0.2 1 0.2 1	LB A/A % V/V LB A/A % V/V	0 a	0 b	0 a	17 ab	17 ab	16 a	21 a	17 a
10	V-10142 NIS V-10142 NIS	0.4 1 0.4 1	LB A/A % V/V LB A/A % V/V	0 a	0 b	0 a	17 ab	17 ab	19 a	19 ab	18 a
11	Non-treated			0 a	0 b	0 a	18 ab	18 ab	17 a	19 ab	19 a
12	Chateau NIS Dual Magnum	3 0.25 1	OZ/A % V/V PT/A	0 a	0 b	0 a	19 ab	18 ab	18 a	18 ab	16 a
LSD (P=.05)				0.0	3.1	0.0	4.0	3.8	3.1	4.2	4.0
Standard Deviation				0.0	1.9	0.0	2.4	2.3	1.9	2.5	2.4
CV				0.0	303.7	0.0	13.61	12.98	10.42	13.42	13.07
Bartlett's X2				0.0	0.0	0.0	7.893	12.228	5.161	13.235	11.732
P(Bartlett's X2)				.	.	.	0.723	0.347	0.88	0.278	0.384

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

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Weed Code	plant 6 CSPAN	plant 7 CSPAN	plant 8 CSPAN	plant 9 CSPAN	plant 10 CSPAN	plant 11 CSPAN	plant 12 CSPAN	plant 13 CSPAN			
Crop Code	height	height	height	height	height	height	height	height			
Rating Data Type	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Apr-12-07	Apr-12-07	Apr-12-07	Apr-12-07	Apr-12-07	Apr-12-07	Apr-12-07	Apr-12-07			
Assessed By	-9 DA-A	-9 DA-A	-9 DA-A	-9 DA-A	-9 DA-A	-9 DA-A	-9 DA-A	-9 DA-A			
Trt-Eval Interval	-9 DA-A	-9 DA-A	-9 DA-A	-9 DA-A	-9 DA-A	-9 DA-A	-9 DA-A	-9 DA-A			
ARM Action Codes											
Trt No.	Treatment Name	Rate	Unit	9	10	11	12	13	14	15	16
1	V-10142 NIS	0.2 0.25	LB A/A % V/V	18 a	17 bc	17 abc	19 a	17 a	17 a	15 a	14 d
2	V-10142 NIS	0.4 0.25	LB A/A % V/V	19 a	18 abc	17 abc	19 a	18 a	17 a	17 a	16 bcd
3	Sandea NIS	0.047 0.25	LB A/A % V/V	17 a	17 bc	18 abc	17 a	19 a	16 a	15 a	15 cd
4	Chateau V-10142 COC	3 0.2 1	OZ/A LB A/A % V/V	18 a	16 c	18 abc	17 a	16 a	17 a	15 a	16 bcd
5	Chateau V-10142 COC	3 0.3 1	OZ/A LB A/A % V/V	18 a	18 abc	17 abc	20 a	16 a	18 a	16 a	16 bcd
6	Sandea Chateau COC	0.047 3 1	LB A/A OZ/A % V/V	19 a	17 bc	15 c	17 a	19 a	18 a	19 a	17 abc
7	V-10142 NIS	0.2 1	LB A/A % V/V	20 a	19 ab	20 a	19 a	17 a	17 a	16 a	17 abc
8	V-10142 NIS	0.4 1	LB A/A % V/V	17 a	20 a	17 abc	18 a	16 a	15 a	16 a	15 cd
9	V-10142 NIS V-10142 NIS	0.2 1 0.2 1	LB A/A % V/V LB A/A % V/V	16 a	17 bc	17 abc	18 a	18 a	18 a	16 a	20 a
10	V-10142 NIS V-10142 NIS	0.4 1 0.4 1	LB A/A % V/V LB A/A % V/V	19 a	17 bc	16 bc	18 a	17 a	17 a	16 a	19 ab
11	Non-treated			18 a	18 abc	18 abc	19 a	16 a	16 a	16 a	16 bcd
12	Chateau NIS Dual Magnum	3 0.25 1	OZ/A % V/V PT/A	18 a	19 ab	20 ab	18 a	20 a	15 a	18 a	16 bcd
LSD (P=.05)	3.6	2.3	3.5	3.2	3.7	3.7	4.1	2.8			
Standard Deviation	2.1	1.3	2.1	1.9	2.2	2.2	2.4	1.7			
CV	11.87	7.48	11.91	10.33	12.52	13.09	15.06	10.19			
Bartlett's X2	9.304	5.554	7.039	13.413	5.882	8.739	8.576	8.2			
P(Bartlett's X2)	0.594	0.851	0.796	0.201	0.881	0.646	0.661	0.695			

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

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Weed Code	plant 14	plant 15	plant 16	plant 17	plant 18	plant 19	plant 20	AVG 20 P								
Crop Code	CSPAN	CSPAN	CSPAN	CSPAN	CSPAN	CSPAN	CSPAN	CSPAN								
Rating Data Type	height	height	height	height	height	height	height	height								
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm								
Rating Date	Apr-12-07	Apr-12-07	Apr-12-07	Apr-12-07	Apr-12-07	Apr-12-07	Apr-12-07	Apr-12-07								
Assessed By																
Trt-Eval Interval	-9 DA-A	-9 DA-A	-9 DA-A	-9 DA-A	-9 DA-A	-9 DA-A	-9 DA-A	-9 DA-A								
ARM Action Codes								T1								
Trt No.	Treatment Name	Rate	Unit	17	18	19	20	21	22	23	24					
1	V-10142 NIS	0.2 0.25	LB A/A % V/V	16 abc	14 c	16 ab	15 ab	17 a	16 abc	16 a	16 c					
2	V-10142 NIS	0.4 0.25	LB A/A % V/V	15 bc	15 abc	18 ab	17 ab	16 a	13 c	15 a	17 abc					
3	Sandea NIS	0.047 0.25	LB A/A % V/V	13 c	15 bc	15 b	14 b	18 a	18 ab	16 a	17 abc					
4	Chateau V-10142 COC	3 0.2 1	OZ/A LB A/A % V/V	16 abc	18 ab	16 ab	15 ab	18 a	16 abc	15 a	17 bc					
5	Chateau V-10142 COC	3 0.3 1	OZ/A LB A/A % V/V	15 bc	16 abc	16 ab	17 ab	18 a	19 ab	16 a	17 abc					
6	Sandea Chateau COC	0.047 3 1	LB A/A OZ/A % V/V	17 ab	15 abc	15 b	19 a	17 a	15 bc	17 a	18 ab					
7	V-10142 NIS	0.2 1	LB A/A % V/V	19 a	17 abc	16 ab	17 ab	18 a	19 a	16 a	18 a					
8	V-10142 NIS	0.4 1	LB A/A % V/V	14 bc	17 abc	15 b	18 ab	17 a	18 ab	18 a	17 abc					
9	V-10142 NIS V-10142 NIS	0.2 1 0.2 1	LB A/A % V/V LB A/A % V/V	16 abc	19 a	19 a	18 ab	19 a	18 ab	17 a	18 ab					
10	V-10142 NIS V-10142 NIS	0.4 1 0.4 1	LB A/A % V/V LB A/A % V/V	14 bc	18 ab	18 ab	15 ab	16 a	15 abc	17 a	17 abc					
11	Non-treated			17 ab	15 abc	16 ab	18 ab	18 a	16 abc	15 a	17 abc					
12	Chateau NIS Dual Magnum	3 0.25 1	OZ/A % V/V PT/A	15 bc	16 abc	18 ab	17 ab	16 a	16 abc	16 a	17 abc					
LSD (P=.05)		2.8		3.3		2.9		3.8		4.7		3.3		3.8		1.2
Standard Deviation		1.7		2.0		1.7		2.3		2.8		2.0		2.2		0.7
CV		10.77		12.07		10.5		13.48		16.17		11.84		13.78		3.97
Bartlett's X2		14.066		11.339		6.782		9.794		15.026		8.518		11.048		7.145
P(Bartlett's X2)		0.229		0.415		0.816		0.549		0.181		0.666		0.439		0.787

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

Column 24: T1 = @AVG([C4].[C23])

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Weed Code	plant 1 CSPAN	plant 2 CSPAN	plant 3 CSPAN	plant 4 CSPAN	plant 5 CSPAN	plant 6 CSPAN	plant 7 CSPAN	plant 8 CSPAN			
Crop Code	height	height	height	height	height	height	height	height			
Rating Data Type	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Apr-30-07	Apr-30-07	Apr-30-07	Apr-30-07	Apr-30-07	Apr-30-07	Apr-30-07	Apr-30-07			
Assessed By	9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A			
Trt-Eval Interval	9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A			
ARM Action Codes											
Trt No.	Treatment Name	Rate	Unit	25	26	27	28	29	30	31	32
1	V-10142 NIS	0.2 0.25	LB A/A % V/V	25 a	23 a	28 ab	26 ab	21 d	26 a	27 a	25 a
2	V-10142 NIS	0.4 0.25	LB A/A % V/V	23 a	27 a	25 bc	25 ab	25 a-d	26 a	26 a	27 a
3	Sandea NIS	0.047 0.25	LB A/A % V/V	25 a	23 a	25 bc	25 ab	22 cd	25 a	24 a	17 b
4	Chateau V-10142 COC	3 0.2 1	OZ/A LB A/A % V/V	23 a	25 a	26 bc	25 ab	26 ab	25 a	27 a	26 a
5	Chateau V-10142 COC	3 0.3 1	OZ/A LB A/A % V/V	23 a	27 a	25 bc	28 a	25 a-d	18 a	25 a	26 a
6	Sandea Chateau COC	0.047 3 1	LB A/A OZ/A % V/V	25 a	27 a	25 bc	26 ab	24 a-d	24 a	24 a	26 a
7	V-10142 NIS	0.2 1	LB A/A % V/V	27 a	24 a	25 bc	24 ab	26 abc	25 a	27 a	27 a
8	V-10142 NIS	0.4 1	LB A/A % V/V	27 a	25 a	25 bc	23 b	27 a	23 a	24 a	25 a
9	V-10142 NIS V-10142 NIS	0.2 1 0.2 1	LB A/A % V/V LB A/A % V/V	24 a	23 a	25 bc	27 ab	22 bcd	25 a	26 a	26 a
10	V-10142 NIS V-10142 NIS	0.4 1 0.4 1	LB A/A % V/V LB A/A % V/V	23 a	24 a	24 c	25 ab	27 a	25 a	27 a	24 a
11	Non-treated			26 a	26 a	26 abc	24 ab	25 abc	26 a	24 a	24 a
12	Chateau NIS Dual Magnum	3 0.25 1	OZ/A % V/V PT/A	28 a	24 a	29 a	25 ab	26 ab	26 a	26 a	27 a
LSD (P=.05)	5.3	4.1	2.7	4.5	4.0	8.0	2.9	6.8			
Standard Deviation	3.2	2.4	1.6	2.7	2.3	4.7	1.7	4.0			
CV	12.69	9.75	6.33	10.5	9.52	19.21	6.78	16.06			
Bartlett's X2	11.096	11.12	11.387	10.653	3.45	38.146	11.823	23.052			
P(Bartlett's X2)	0.435	0.433	0.411	0.473	0.969	0.001*	0.377	0.017*			

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

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Weed Code	plant 9	plant 10	plant 11	plant 12	plant 13	plant 14	plant 15	plant 16			
Crop Code	CSPAN	CSPAN	CSPAN	CSPAN	CSPAN	CSPAN	CSPAN	CSPAN			
Rating Data Type	height	height	height	height	height	height	height	height			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Apr-30-07	Apr-30-07	Apr-30-07	Apr-30-07	Apr-30-07	Apr-30-07	Apr-30-07	Apr-30-07			
Assessed By	9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A			
Trt-Eval Interval	9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A			
ARM Action Codes											
Trt No.	Treatment Name	Rate	Unit	33	34	35	36	37	38	39	40
1	V-10142 NIS	0.2 0.25	LB A/A % V/V	23 ab	25 a	26 a	25 a	23 a	24 ab	22 a	25 ab
2	V-10142 NIS	0.4 0.25	LB A/A % V/V	27 ab	25 a	26 a	24 a	23 a	24 ab	23 a	26 a
3	Sandea NIS	0.047 0.25	LB A/A % V/V	24 ab	26 a	23 bc	23 a	23 a	25 ab	23 a	25 ab
4	Chateau V-10142 COC	3 0.2 1	OZ/A LB A/A % V/V	26 ab	27 a	26 a	22 a	23 a	24 ab	24 a	24 ab
5	Chateau V-10142 COC	3 0.3 1	OZ/A LB A/A % V/V	25 ab	24 a	22 c	25 a	24 a	21 b	24 a	24 ab
6	Sandea Chateau COC	0.047 3 1	LB A/A OZ/A % V/V	26 ab	24 a	22 c	25 a	23 a	20 b	23 a	23 ab
7	V-10142 NIS	0.2 1	LB A/A % V/V	28 a	25 a	25 abc	23 a	26 a	26 ab	24 a	22 b
8	V-10142 NIS	0.4 1	LB A/A % V/V	18 b	22 a	25 ab	25 a	22 a	27 a	22 a	24 ab
9	V-10142 NIS V-10142 NIS	0.2 1 0.2 1	LB A/A % V/V LB A/A % V/V	24 ab	23 a	24 abc	24 a	25 a	25 ab	24 a	26 a
10	V-10142 NIS V-10142 NIS	0.4 1 0.4 1	LB A/A % V/V LB A/A % V/V	24 ab	24 a	25 ab	26 a	26 a	24 ab	25 a	24 ab
11	Non-treated			21 ab	24 a	25 ab	26 a	26 a	25 ab	25 a	24 ab
12	Chateau NIS Dual Magnum	3 0.25 1	OZ/A % V/V PT/A	25 ab	27 a	24 abc	24 a	24 a	23 ab	23 a	25 ab
LSD (P=.05)		7.9		4.7	2.1	3.7	4.9	4.9	3.3	3.2	
Standard Deviation		4.7		2.8	1.3	2.2	2.9	2.9	2.0	1.9	
CV		19.29		11.3	5.15	9.06	12.17	12.08	8.42	7.62	
Bartlett's X2		20.203		15.287	6.276	11.742	14.837	12.692	4.891	6.104	
P(Bartlett's X2)		0.043*		0.17	0.854	0.383	0.19	0.314	0.936	0.866	

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

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Weed Code	plant 17 CSPAN	plant 18 CSPAN	plant 19 CSPAN	plant 20 CSPAN	AVG20 PL CSPAN			
Crop Code								
Rating Data Type	height	height	height	height	height			
Rating Unit	cm	cm	cm	cm	cm			
Rating Date	Apr-30-07	Apr-30-07	Apr-30-07	Apr-30-07	Apr-30-07			
Assessed By								
Trt-Eval Interval	9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A			
ARM Action Codes					T2			
Trt No.	Treatment Name	Rate	Unit	41	42	43	44	45
1	V-10142 NIS	0.2 0.25	LB A/A % V/V	24 a	23 ab	25 ab	25 a	25 a
2	V-10142 NIS	0.4 0.25	LB A/A % V/V	25 a	24 ab	24 ab	25 a	25 a
3	Sandea NIS	0.047 0.25	LB A/A % V/V	21 a	25 ab	25 ab	24 a	24 a
4	Chateau V-10142 COC	3 0.2 1	OZ/A LB A/A % V/V	25 a	25 ab	23 b	25 a	25 a
5	Chateau V-10142 COC	3 0.3 1	OZ/A LB A/A % V/V	26 a	27 a	25 ab	26 a	24 a
6	Sandea Chateau COC	0.047 3 1	LB A/A OZ/A % V/V	25 a	24 ab	25 ab	23 a	24 a
7	V-10142 NIS	0.2 1	LB A/A % V/V	26 a	26 ab	27 a	25 a	25 a
8	V-10142 NIS	0.4 1	LB A/A % V/V	24 a	25 ab	25 ab	26 a	24 a
9	V-10142 NIS V-10142 NIS	0.2 1 0.2 1	LB A/A % V/V LB A/A % V/V	25 a	26 ab	24 ab	25 a	25 a
10	V-10142 NIS V-10142 NIS	0.4 1 0.4 1	LB A/A % V/V LB A/A % V/V	24 a	23 ab	24 ab	25 a	25 a
11	Non-treated			26 a	24 ab	24 ab	25 a	25 a
12	Chateau NIS Dual Magnum	3 0.25 1	OZ/A % V/V PT/A	25 a	22 b	24 ab	22 a	25 a
LSD (P=.05)				4.9	3.5	3.0	3.9	1.7
Standard Deviation				2.9	2.1	1.8	2.3	1.0
CV				11.71	8.36	7.1	9.25	4.04
Bartlett's X2				11.774	12.183	9.174	10.721	8.058
P(Bartlett's X2)				0.381	0.273	0.606	0.467	0.708

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

Column 45: T2 = @AVG([C25],[C44])

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Pepper response to V-10142 and Chateau.

Trial ID: Veg15-07 Study Dir.: Stanley Culpepper
 Location: Ponder Farm 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:** good
Postal Code: 31795 **Initiation Date:** Feb-26-07
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.	.		
2.			

Crop 1: CPSAN bell pepper **Variety:** Heritage
Planting Date: Mar-23-07 **Planting Method:** transplant
Rate: 1 12 in **Depth:** 1 in **Perennial Age:** ____
Row Spacing: 15 inch **Spacing Within Row:** 12 inch **Seed Bed:** plastic
Soil Temperature: 84 F **Soil Moisture:** drip **Emergence Date:** _____

SITE AND DESIGN

Plot Width, Unit: 6 FT **Plot Length, Unit:** 30 FT **Reps:** 3
Site Type: Ponder Farm
Tillage Type: Plasticulture **Study Design:** RANDOMIZED COMPLETE BLOCK

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.			

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MAINTENANCE

Field Prep./Maintenance:

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

	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

Overall Moisture Conditions: drip irrigation

Closest Weather Station: _____ Distance: _____ Unit: ____

APPLICATION DESCRIPTION

	A	B
Application Date:	Mar-19-07	Apr-21-07
Time of Day:	9:00 am	9:00 am
Application Method:	band	band
Application Timing:	preplant	PD
Applic. Placement:	RM	directed
Air Temp., Unit:	60 F	68 f
% Relative Humidity:	40	32
Wind Velocity, Unit:	3 mph	0 mph
Dew Presence (Y/N):	n	y
Water Hardness:		
Soil Temp., Unit:	60 F	70 f
Soil Moisture:	fair	moist
% Cloud Cover:	0	0

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	CPSAN RM	CPSAN PD
Stage Scale:	not plant	.
Height, Unit:	0 in	9 in

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	.	.
Stage Scale:	.	
Density, Unit:	.	
Weed 2 Code, Stage:		
Stage Scale:		
Density, Unit:		

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APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	backpack	backpack
Operating Pressure:	28	28
Nozzle Type:	flat fan	flat fan
Nozzle Size:	8002 E	8002 E
Nozzle Spacing, Unit:	32 in	32 in
Nozzles/Row:	1	1
Band Width, Unit:		
Boom Length, Unit:		
Boom Height, Unit:	20 in	20 in
Ground Speed, Unit:	3 mph	3 mph
Incorporation Equip.:		
Hours to Incorp.:		
Incorp. Depth, Unit:		
Carrier:	water	water
Spray Volume, Unit:	14.8 GPA	14.8 GPA
Spray pH:		
Propellant:	CO2	CO2
Tank Mix (Y/N):	Y	Y

Trt No	Treatment Application Comment