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		Wat	terme	lon re	espon	se to	Chateau	appli	led over mul	lch p	rior	to tr	ansplanting.
Tri	al ID: Ve	g57-0	6				Study 1	Dir.:	Stanley Cu	lpepp	er		
Loc	ation: Pc	nder	farm				Investiga	ator:	Stanley Cu	lpepp	er		
Rep	Reps: 3 Plots: 6 by 30 feet												
Spra	ay vol: 14.8	gal/ac		Mix s	size: 1	liters (min .69451)					
Trt	Treatment	Form	Form	Form		Rate	Grow	Appl	Amt Product	Plot N	lo. By F	Rep	
No.	Name	Conc	Unit	Туре	Rate	Unit	Stg	Code	to Measure	1	2	3	
1	None									101	202	303	
2	Chateau	51		WDG	1.5	OZ/A	overmulc	Α	0.759 g/mx	102	203	301	
3	Chateau	51		WDG	1.5	OZ/A	overmulc	Α	0.759 g/mx	103	201	302	
	Crop Oil			L	1	% V/V	overmulc	А	9.999 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
1.898	g	Chateau	51	WDG	
12.499	ml	Crop Oil		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.

Trial Comments

OBJECTIVE: Determine if crop oil impacted watermelon injury when applying Chateau over mulch prior to transplanting.

CROP RESPONSE:

- 1. Crop Oil mixed with Chateau doubled injury from Chateau splashing from mulch.
- 2. Applying Chateau plus crop oil over mulch prior to transplant reduced vine lengths 26% compared the non-treated at 44 DAP.

GENERAL COMMENTS:

- 1. Treatments were applied and allowed to dry and then the crop was transplanted.
- 2. Rainfall did not occur to several weeks after planting thus ratings were delayed until the first signs of significant injury.

AOV Means Table Page 2 of 5

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	Waterme	lon respon	nse to Chat	teau appli	ed over mu	lch prior (to transplanting.		
Grial ID: Veg57-06 Study Dir.: Stanley Culpepper Location: Ponder farm Investigator: Stanley Culpepper									
Weed Code Crop Code Rating Data Typ Rating Unit Rating Date Trt-Eval Interval ARM Action Cod	pe I des	CITLA injury % May-05-06 37 DA-A	plant 1 CITLA runner leng cm May-12-06 44 DA-A	plant 2 CITLA runner leng cm May-12-06 44 DA-A	plant 3 CITLA runner leng cm May-12-06 44 DA-A	Avg3plan CITLA runner leng cm May-12-06 44 DA-A T1			
Trt Treatment No. Name	: Rate Rate Unit	1	2	3	4	5			
1 None 2 Chateau 3 Chateau Crop Oil	1.5 OZ/A 1.5 OZ/A 1 % V/V	0 c 20 b 40 a	155 a 142 ab 106 b	122 a 129 a 121 a	165 a 122 ab 101 b	147 a 131 ab 109 b			
LSD (P=.05) Standard Devia CV Bartlett's X2 P(Bartlett's X2)	ation	0.0 0.0 0.0 0.0	41.3 18.2 13.56 0.234 0.89	51.7 22.8 18.41 1.3 0.522	50.7 22.4 17.25 1.163 0.559	25.5 11.3 8.72 2.86 0.239			

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

Column 5: T1 = @AVG([2].[4])

Field Prep./Maintenance:

Feb-21-07 (Veg57-06)

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	Watermelon response to	Chateau applied over mulch prior	to transplanting.
Trial ID: Veg57	2-06	Study Dir.: Stanley Culpepper	
Location: Ponde	er farm	Investigator: Stanley Culpepper	
	GENERAL TRI	AL INFORMATION	
Study Director:	Stanley Culpepper	Title: Ext. Weed	Science
Affiliation:	University of Goergia	L	
Postal Code:	31794		
Investigator:	Stanley Culpepper	Title: Ext Weed	Science
Affiliation:	University of Georgia	l	
Postal Code:	31794		
	TRIAL	LOCATION	
City: Ty	ту	Trial Status:	completed
State/Prov.: GA	7	Trial Reliability:	good
Postal Code: 31	.795	Initiation Date:	Mar-29-06
Country: US	A	Planned Completion Date:	
E-Longitude of	LL Corner °:	N-Latitude of LL Corner °:	
Altitude of LL	Corner: Unit:	Angle y-axis to North °:	
Directions:			
	COOPERAI	'OR/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 De	scription:	
Objective:			
Conclusions:			

Scientific Name

CROP AND WEED DESCRIPTION Common Name

1			
Crop 1: CITLA WATERMELO Planting Date: Mar-29-06	N Planting Metho	Variety: Millionare d: transplant	ē.
Rate: 1 3ft	Depth: 1 in	Perennial Age:	
Row Spacing: 6 ft	Spacing Within Row: 3	ft Seed Bed: flat	c/mulch
Soil Temperature: 78 F	Soil Moisture: drip	Emergence Date:	
	SITE AND DESIGN		
Plot Width, Unit: 6 F	T Plot Length, Unit:	30 FT Reps: 3	
Site Type: Ponder Resar Tillage Type: Conventional	ch Farm Study Design:	RANDOMIZED COMPLETE BI	LOCK

Trial Initiation Comments:

Weed Code

	Previous Crops	Previous Pesticides	Year
1.			

MAINTENANCE

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		Maintenance	Form	Form	Form		Rate
No.	Date	Treatment Name	Conc	Unit	Туре	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 M	IEASURED ELEMEN	TS
Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Туре	Interval	Unit
1.							

Overall Moisture Conditions: drip irrigation Closest Weather Station: _____ Distance: ____ Unit: ___

	j	A
Application Date:	Mar-	29-06
Time of Day:	11:0	0am
Application Method:	broad	dcast
Application Timing:	over	mulch
Applic. Placement:	over	mulc
Air Temp., Unit:	84	F
% Relative Humidity:	39	
Wind Velocity, Unit:	3	mph
Dew Presence (Y/N):	n	
Water Hardness:		
Soil Temp., Unit:	74	F
Soil Moisture:	drip	
% Cloud Cover:	0	

APPLICATION DESCRIPTION

CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	CITLA overmulch
Stage Scale:	preplant
Height, Unit:	0 inch

WEED STAGE AT EACH APPLICATION

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

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

Trt No

Treatment Application Comment