University of Georgia

			Ca	bbage	and	coll	ard re	espons	e to Dual M	lagnu	m and	Chate	eau.
	Trial ID: Veg13-07Study Dir.: Stanley CulpepperLocation: (Ponder Farm 5157)Investigator: Stanley Culpepper												
	Reps: 3Plots: 6 by 15 feetSpray vol: 14.8 gal/acMix size: 1 liters (min .34726)												
		Form Conc							Amt Product to Measure	Plot N 1	lo. By l 2	Rep 3	
1	Dual Magnum	7.62		L	8	OZ/A	PRE	А	4.223 ml/mx	101	203	305	
2	Dual Magnum	7.62		L	16	OZ/A	PRE	А	8.446 ml/mx	102	208	307	
3	Dual Magnum	7.62		L	8	OZ/A	POST	В	4.223 ml/mx	103	202	308	
4	Dual Magnum	7.62		L	16	OZ/A	POST	В	8.446 ml/mx	104	201	302	
5	Dual Magnum Dual Magnum			L	-	OZ/A OZ/A	PRE POST	A B	4.223 ml/mx 4.223 ml/mx		204	301	
6	Non-treated									106	205	304	
7	Chateau	51		WDG	3	OZ/A	PRE	А	1.518 g/mx	107	206	303	
8	Chateau	51		WDG	3	OZ/A	POST	В	1.518 g/mx	108	207	306	

Sort Order: Treatment

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

Amount* Unit	Treatment Name	Form Conc	Form Type	Lot Code						
42.230 ml	Dual Magnum	7.62	L							
3.795 g	Chateau	51	WDG							
	' '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.									
				Trial Com	nents					
OBJECTIVE: D	etermine collard and c	abbage visua	l response to	Dual Magnur	n and Chateau.					
 OBJECTIVE: Determine collard and cabbage visual response to Dual Magnum and Chateau. Dual Magnum stunted crops 10 to 18% when applied pretransplant. Dual Magnum applied POST stunted crops up to 10%. POST applications were made the day of transplanting. Chateau applied pretransplant killed both crops. Chateau applied POST 7 d after transplant caused 15 to 25% burn with minor stand loss. 										
GENERAL COM	IMENTS									

1. March 25: Treflan 1 pt/A PPI over trial area.

University of Georgia

Trial ID: Veg13-07 Location: (Ponder Farm 5	157)		-	Stanley C Stanley C	
Crop Code	BRSOL	BRSOL		-	urpepper
Rating Data Type	injury	injury			
Rating Unit	% %	% %	% %	% %	
Rating Date	Apr-19-07			May-23-07	
Assessed By	SC	ŚSC	SC	SC	
Trt-Eval Interval	24 DA-A	58 DA-A	24 DA-A	58 DA-A	
Trt Treatment Rate					
No. Name Rate Unit	1	2	3	4	
1 Dual Magnum 8 OZ/A	11 c	3 c	15 b	13 c	
2 Dual Magnum 16 OZ/A	11 c	0 c	17 b	12 c	
3 Dual Magnum 8 OZ/A	7 cd	0 c	9 bcd	0 d	
4 Dual Magnum 16 OZ/A	3 d	2 c	0 d	0 d	
5 Dual Magnum 8 OZ/A	1 d	0 c	13 bc	12 c	
Dual Magnum 8 OZ/A					
6 Non-treated	1 d	0 c	3 cd	0 d	
7 Chateau 3 OZ/A	98 a	99 a	100 a	99 a	
8 Chateau 3 OZ/A	23 b	32 b	15 b	25 b	
LSD (P=.05)	5.9	8.7	9.6	4.3	
Standard Deviation	3.4	4.9	5.5	2.5	
CV	17.46	29.13	25.33	12.3	
Bartlett's X2	12.477	3.614	3.978	0.971	
P(Bartlett's X2)	0.086	0.164	0.553	0.808	

Cabbage and collard response to Dual Magnum and Chateau.

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

Mar-11-08 (Veg13-07)

University of Georgia

	Cabbage and	collard response to Dual Magnum and	Chateau.					
Trial ID: Veg13-	-07	Study Dir.: Stanley Culpepper						
Location: (Ponde	er Farm 5157)	Investigator: Stanley Culpepper						
		RIAL INFORMATION						
Study Director.	Study Director: Stanley Culpepper Title: Ext. Weed Science							
-	Eiliation: Univ of Georgia							
Postal Code:								
_	Stanley Culpepper	Title: Ext. Weed	Science					
Affiliation:	Univ of Georgia							
Postal Code:	31794							
	TRI	AL LOCATION						
City: Ty:	Гу	Trial Status:	completed					
State/Prov.: GA		Trial Reliability:	good					
Postal Code: 31		Initiation Date:	Mar-26-07					
Country: USA		Planned Completion Date:						
		N-Latitude of LL Corner °:						
Altitude of LL (Corner: Uni	t: Angle y-axis to North °:						
Directions:								
	COOPER	ATOR/LANDOWNER						
Cooperator:		Country:						
Org:		Phone No:						
Address 1:		Fax No:						
Address 2:								
-								
State/Prov:								
Postal Code:								
Conducted Under	GLP (Y/N): N	Conducted Under GEP (Y/N): N						
Guidelines:	Guideline	Description:						
Objective:								
Conclusions:								

CROP AND WEED DESCH	RIPTION
Weed Code Common Name	Scientific Name
1.	
Crop 1: BRSOL CABBAGE	Variety: Dynasty
Planting Date: Mar-26-07 Planting	Method: transplant
Rate: 1 12 inch Depth: 1 in	Perennial Age:
Row Spacing: 36 inch Spacing Within Row:	12 inch Seed Bed: flat
Soil Temperature: 69 F Soil Moisture: dri	p Emergence Date:
Crop 2: BRSOA COLLARD Planting Date: Mar-26-07 Planting	Variety: Top Bunch Method: transplant
Rate: 1 12 inch Depth: 1 in	
Row Spacing: 36 inch Spacing Within Rows	12 inch Seed Bed: flat
Soil Temperature: 69 F Soil Moisture: dr:	p Emergence Date:
SITE AND DESIG	IN
Plot Width, Unit: 6 FT Plot Length,	Unit: 15 FT Reps: 3
Site Type: Ponder Farm	
Tillage Type: ConventionalStudy De	esign: RANDOMIZED COMPLETE BLOCK

University of Georgia

	Previous Crops	Previous Pesticides	Year
1.			

MAINTENANCE

Field Prep./Maintenance:

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

					SOIL DESCRIPTION	N	
%	Sand:	94	% OM:	1.3	Texture:	sand	
%	silt:	2	pH:	6.4	Soil Name:	Tifton sand	dy loam
%	Clay:	4	CEC:		Fert. Level:		

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

_	MOISTURE CONDITIONS										
	Date	Time	Amount	Unit	Туре	Interval	Unit				
1.											

Overall Moisture Conditions: drip irrigation Closest Weather Station:

_____ Distance: _____ Unit: ___

		APPLICATION DES				
		A		в		
Application Date:	Mar	-26-07	Apr	-02-07		
Time of Day:	11	am	9 ai	n		
Application Method:	bro	adcast	broa	adcast		
Application Timing:	PRE		POS	POST		
Applic. Placement:	on	soil	ove	rtop		
Air Temp., Unit:	74	F	69	F		
% Relative Humidity:	49		55			
Wind Velocity, Unit:	2	mph	2	mph		
Dew Presence (Y/N):	n		n			
Water Hardness:						
Soil Temp., Unit:	69	F	65	F		
Soil Moisture:	dri	р	drij	p		
% Cloud Cover:	20		20			

CROP STAGE AT EACH APPLICATION

	А	В
Crop 1 Code, Stage:	BRSOL preplant	BRSOL transplan
Stage Scale:	not up	4 leaf
Height, Unit:	0 inch	2 inch
Crop 2 Code, Stage:	BRSOA preplant	BRSOA transplan
Stage Scale:	not up	4 leaf
Height, Unit:	0 inch	2 inch

University of Georgia

WEED STAGE AT EACH APPLICATION

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

APPLICATION EQUIPMENT

		А		В
Appl. Equipment:	backpack		backpack	
Operating Pressure:	23		23	
Nozzle Type:	flat	fan	flat	fan
Nozzle Size:	11002	2	11002	2
Nozzle Spacing, Unit:	18	inch	18	inch
Nozzles/Row:	2		2	
Band Width, Unit:				
Boom Length, Unit:	4.5	feet	4.5	feet
Boom Height, Unit:	15	inch	15	inch
Ground Speed, Unit:	3	mph	3	mph
Incorporation Equip.:				
Hours to Incorp.:				
Incorp. Depth, Unit:				
Carrier:	water	2	water	<u>_</u>
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