

# University of Georgia

Cucumber tolerance to Goal applied prior to planting

Trial ID: Veg32-08

Study Dir.: Stanley Culpepper

Location: Chula

Investigator: Stanley Culpepper

Reps: 4

Plots: 6 by 25 feet

Spray vol: 14.8 gal/ac

Mix size: 1 liters (min .77168)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Form Rate	Grow Unit	Stg	Appl Code	Amt Product to Measure	Plot No. 1	Plot No. 2	Plot No. 3	Plot No. 4
1	Goal	4		F	1	PT/A		preplant A	8.445 ml/mx	101	202	301	402
2	Non-treated									102	201	302	401

Sort Order: Treatment

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

Amount*	Unit	Treatment Name	Form Conc	Form Type	Lot Code
10.556	ml	Goal	4	F	

\* '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 Comments

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Crop Code	CUMSA	CUMSA	CUMSA
Rating Data Type	injury	injury	injury
Rating Unit	percent	percent	percent
Rating Date	Aug-07-08	Aug-20-08	Sep-05-08
Trt-Eval Interval	15 DA-A	28 DA-A	44 DA-A
Trt No.	Treatment Name	Rate	Rate Unit
		1	2
1	Goal	1	PT/A
2	Non-treated		
		0 a	0 a
		0 a	0 a
		0 a	0 a
		0 a	0 a
		0.0	0.0
		0.0	0.0
		0.0	0.0
		0.0	0.0
		.	.
		.	.
		.	.
		.	.

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

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### 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: Chula

Trial Status: completed

State/Prov.: GA

Trial Reliability: good

Postal Code: 31794

Initiation Date: Jul-23-08

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.			

Crop 1: CUMSA cucumber

Variety: Thunder

Planting Date: Aug-04-08

Planting Method: transplant

Rate: 1 foot

Depth: 2 IN

Perennial Age: \_\_\_\_\_

Row Spacing: 6 foot Spacing Within Row: 12 in Seed Bed: raised

Soil Temperature: 94 F

Soil Moisture: drip

Emergence Date: \_\_\_\_\_

### SITE AND DESIGN

Plot Width, Unit: 6 FT Plot Length, Unit: 25 FT Reps: 4

Site Type: Lewis Taylor Farms

Tillage Type: Plasticulture

Study Design: RANDOMIZED COMPLETE BLOCK

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.			

### MAINTENANCE

Field Prep./Maintenance:

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

**SOIL DESCRIPTION**

% Sand: \_\_\_\_\_ % OM: \_\_\_\_\_ Texture: \_\_\_\_\_  
 % Silt: \_\_\_\_\_ pH: \_\_\_\_\_ Soil Name: \_\_\_\_\_  
 % Clay: \_\_\_\_\_ CEC: \_\_\_\_\_ Fert. Level: \_\_\_\_\_

**ADDITIONAL MEASURED ELEMENTS**

Element	Quantity	Unit

**MOISTURE CONDITIONS**

No.	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

Overall Moisture Conditions: \_\_\_\_\_

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

**APPLICATION DESCRIPTION**

	A
Application Date:	Jul-23-08
Time of Day:	10 am
Application Method:	broadcast
Application Timing:	preplant
Applic. Placement:	on mulch
Air Temp., Unit:	80 F
% Relative Humidity:	60
Wind Velocity, Unit:	2 mph
Dew Presence (Y/N):	n
Water Hardness:	
Soil Temp., Unit:	78 F
Soil Moisture:	moist
% Cloud Cover:	25

**CROP STAGE AT EACH APPLICATION**

	A
Crop 1 Code, Stage:	CUMSA
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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## APPLICATION EQUIPMENT

	<b>A</b>
<b>Appl. Equipment:</b>	tractor
<b>Operating Pressure:</b>	32
<b>Nozzle Type:</b>	flat fan
<b>Nozzle Size:</b>	11002
<b>Nozzle Spacing, Unit:</b>	18 inch
<b>Nozzles/Row:</b>	4
<b>Band Width, Unit:</b>	
<b>Boom Length, Unit:</b>	10 feet
<b>Boom Height, Unit:</b>	20 inch
<b>Ground Speed, Unit:</b>	4 mph
<b>Incorporation Equip.:</b>	
<b>Hours to Incorp.:</b>	
<b>Incorp. Depth, Unit:</b>	
<b>Carrier:</b>	water
<b>Spray Volume, Unit:</b>	14.8 GPA
<b>Spray pH:</b>	
<b>Propellant:</b>	CO2
<b>Tank Mix (Y/N):</b>	Y

Trt No	Treatment Application Comment