

# University of Georgia

Tropical spiderwort response to yellow herbicides applied PPI or PRE.

Trial ID: C56-03  
Location: Cairo

Study Dir.: Tim Flanders  
Investigator: Stanley Culpepper

## GENERAL TRIAL INFORMATION

**Study Director:** Tim Flanders **Title:** Ext. Agent  
**Affiliation:** University of Georgia  
**Investigator:** Culpepper and Prostko **Title:** Ext. Weed Science  
**Affiliation:** University of Georgia  
**Postal Code:** 31794

## TRIAL LOCATION

**City:** Cairo **Trial Status:** completed  
**State/Prov.:** GA **Trial Reliability:** excellent  
**Postal Code:** . **Initiation Date:** Sep-23-03  
**Country:** USA

**Conducted Under GLP (Y/N):** N **Conducted Under GEP (Y/N):** N

## CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.	COMBE	Tropical spiderwort	

**Crop 1:** none on crop **Variety:** .  
**Planting Date:** Sep-23-03  
**Rate:** 0. **Depth:** 0. **Perennial Age:** 0.  
**Row Spacing:** 0. **Spacing Within Row:** 0. **Seed Bed:** .  
**Soil Temperature:** 0. **Soil Moisture:** .

## SITE AND DESIGN

**Plot Width, Unit:** 6 FT **Plot Length, Unit:** 25 FT **Reps:** 4  
**Site Type:** on farm  
**Tillage Type:** conventional **Study Design:** RANDOMIZED COMPLETE BLOCK

## MAINTENANCE

**Field Prep./Maintenance:** Land was disked several times a week prior to putting in the trial. The trial area was then tilled just prior to applying any herbicide. The PPI treatments were applied and followed immediately with the tillage over the entire trial once again. The PRE's were then applied.

## SOIL DESCRIPTION

**% Sand:** 84 **% OM:** 1.88 **Texture:** Loamy Sand  
**% Silt:** 8 **pH:** 6.0  
**% Clay:** 8

## APPLICATION DESCRIPTION

	A
<b>Application Date:</b>	Sep-23-03
<b>Time of Day:</b>	10 am
<b>Application Method:</b>	broadcast
<b>Application Timing:</b>	PPI/PRE
<b>Applic. Placement:</b>	on soil
<b>Air Temp., Unit:</b>	79 F
<b>% Relative Humidity:</b>	59
<b>Wind Velocity, Unit:</b>	3 mph
<b>Dew Presence (Y/N):</b>	n
<b>Soil Temp., Unit:</b>	75 F
<b>Soil Moisture:</b>	moist
<b>% Cloud Cover:</b>	0

# University of Georgia

## CROP STAGE AT EACH APPLICATION

A	
Crop 1 Code, Stage:	none .
Stage Scale:	.
Height, Unit:	0. .

## WEED STAGE AT EACH APPLICATION

A	
Weed 1 Code, Stage:	COMBE PPI/PRE
Stage Scale:	.
Density, Unit:	. .

## APPLICATION EQUIPMENT

A	
Appl. Equipment:	backpack
Operating Pressure:	22
Nozzle Type:	flat fan
Nozzle Size:	11002
Nozzle Spacing, Unit:	18 inch
Nozzles/Row:	2
Boom Length, Unit:	4.5 feet
Boom Height, Unit:	15 inch
Ground Speed, Unit:	3 mph
Carrier:	water
Spray Volume, Unit:	14.8 GPA
Propellant:	CO2
Tank Mix (Y/N):	Y

# University of Georgia

**Tropical spiderwort response to yellow herbicides applied PPI or PRE.**

Trial ID: C56-03

Study Dir.: Tim Flanders

Location: Cairo

Investigator: Stanley Culpepper

Weed Code	COMBE control percent	COMBE control percent	COMBE control percent	COMBE control percent	COMBE control percent			
Rating Data Type								
Rating Unit								
Rating Date	Sep-30-03	Oct-08-03	Oct-16-03	Oct-23-03	Nov-07-03			
Trt-Eval Interval	9 DA-A	17 DA-A	23 DA-A	30 DA-A	45 DA-A			
Trt No.	Treatment Name	Rate	Unit	1	2	3	4	5
1	Non-treated			0.0	0.0	0.0	0.0	0.0
2	Prowl	1	qt/a	0.0	0.0	0.0	0.0	0.0
3	Prowl	1	qt/a	0.0	0.0	0.0	0.0	0.0
4	Treflan	1.5	pt/a	0.0	0.0	0.0	0.0	0.0
5	Treflan	1.5	pt/a	0.0	0.0	0.0	0.0	0.0
LSD (P=.05)				0.00	0.00	0.00	0.00	0.00
Standard Deviation				0.00	0.00	0.00	0.00	0.00
CV				0.0	0.0	0.0	0.0	0.0
Bartlett's X2				0.0	0.0	0.0	0.0	0.0
P(Bartlett's X2)				.	.	.	.	.

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

### Trial Comments

OBJECTIVE: Determine if Prowl or Treflan have activity on spiderwort.

**RESULTS:**

1) Treflan or Prowl applied PPI or PRE had absolutely no activity on spiderwort emergence or growth.

**CONCLUSIONS:**

1) Yellow herbicides will not help in managing this troublesome weed.