

University of Georgia

Weed and cucumber response to Aim mixtures applied in row middles.

Trial ID: Veg41-05(rm) Study Dir.: Stanley Culpepper
 Location: LTF Investigator: Stanley Culpepper

Reps: 4 Plots: 2 by 30 feet
 Spray vol: 14.8 gal/ac Mix size: 1.5 liters (min .30867)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code	Amt to Measure	Plot No. By Rep			
									1	2	3	4
1	Non-treated								101	203	301	403
2	Aim	2	EC	1 oz/a	RM	A	0.7918 ml/mx		102	201	302	401
	COC	L		1 % v/v	RM	A	15.0 ml/mx					
3	Aim	2	EC	1 oz/a	RM	A	0.7918 ml/mx		103	202	303	402
	COC	L		1 % v/v	RM	A	15.0 ml/mx					
	Select	2	EC	8 oz/a	RM	A	6.334 ml/mx					

Sort Order: Treatment

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

Amount*	Unit	Treatment Name	Lot Code
1.980	ml	Aim 2 EC	
37.496	ml	COC L	
7.918	ml	Select 2 EC	

- * 'Per area' calculations based on spray volume= 14.8 gal/ac, mix size= 1.5 liters (mix size basis).
- * Product amount calculations increased 25 % for overage adjustment.
- * 'Per volume' calculations use spray volume= 14.8 gal/ac, mix size= 1.5 liters.

Trial Comments

OBJECTIVE: Evaluate purslane and crabgrass response to Aim or Aim plus Select.

CUCUMBER RESPONSE:

1. No injury was detected.

WEED RESPONSE:

Pink purslane:

1. Aim plus COC provided only 52 to 61% control.
2. The addition of Select with Aim improved control by 14 to 20%.

Large crabgrass:

1. Aim essentially provided no control.
2. Select + Aim provided excellent control.

University of Georgia

Weed and cucumber response to Aim mixtures applied in row middles.

Trial ID: Veg41-05(rm)

Study Dir.: Stanley Culpepper

Location: LTF

Investigator: Stanley Culpepper

Weed Code	CUMSA	CUMSA	PORPI	PORPI	PORPI	DIGSA	DIGSA	DIGSA
Crop Code	injury	injury	control	control	control	control	control	control
Rating Data Type	percent	percent	percent	percent	percent	percent	percent	percent
Rating Unit	percent	percent	percent	percent	percent	percent	percent	percent
Rating Date	May-23-05	May-31-05	May-23-05	May-31-05	Jun-14-05	May-23-05	May-31-05	Jun-14-05
Trt-Eval Interval	6 DA-A	14 DA-A	6 DA-A	14 DA-A	28 DA-A	6 DA-A	14 DA-A	28 DA-A
Trt No.	1	2	3	4	5	6	7	8
Treatment Name								
Rate								
Unit								
1 Non-treated	0	0	0	0	0	0	0	0
2 Aim	0	0	61	55	53	9	0	0
COC								
3 Aim	0	0	81	69	66	18	95	97
COC								
Select								
LSD (P=.05)	0.0	0.0	8.0	4.8	4.3	5.9	6.6	2.4
Standard Deviation	0.0	0.0	4.6	2.8	2.5	3.4	3.8	1.4
CV	0.0	0.0	9.77	6.7	6.32	39.27	12.11	4.21

Means followed by same letter do not significantly differ (P=.05, LSD)

University of Georgia

Weed and cucumber response to Aim mixtures applied in row middles.

Trial ID: Veg41-05(rm)

Study Dir.: Stanley Culpepper

Location: LTF

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: Tifton

Trial Status: completed

State/Prov.: GA

Trial Reliability: excellent

Postal Code: 31794

Initiation Date: May-17-05

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: Lewis Taylor farms

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.	PORPI	pink purslane	
2.	DIGSA	large crabgrass	

Crop 1: CUMSA CUCUMBER

Variety: Thunder

Planting Date: _____

Planting Method: transplant

Rate: 1 12 inch **Depth:** 1 in **Perennial Age:** _____

Row Spacing: 5 feet **Spacing Within Row:** 12 inch **Seed Bed:** plasticulture

Soil Temperature: _____ **Soil Moisture:** drip irrigat **Emergence Date:** _____

SITE AND DESIGN

Plot Width, Unit: 2 FT **Plot Length, Unit:** 30 FT **Reps:** 4

Site Type: On farm

Tillage Type: plasticulture **Study Design:** RANDOMIZED COMPLETE BLOCK

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.			

University of Georgia

MAINTENANCE

Field Prep./Maintenance:

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

SOIL DESCRIPTION

% Sand: 0. % OM: 0. Texture: sand
 % Silt: 0. pH: 0. Soil Name: Tifton sandy loam
 % Clay: 0. CEC: _____ Fert. Level: _____

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

Overall Moisture Conditions: wet

Closest Weather Station: _____ Distance: _____ Unit: ____

APPLICATION DESCRIPTION

	A
Application Date:	May-17-05
Time of Day:	6 pm
Application Method:	banded
Application Timing:	RM
Applic. Placement:	row middl
Air Temp., Unit:	88 F
% Relative Humidity:	40
Wind Velocity, Unit:	1 mph
Dew Presence (Y/N):	n
Water Hardness:	
Soil Temp., Unit:	92 F
Soil Moisture:	92
% Cloud Cover:	20

CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	CUMSA RM
Stage Scale:	vinning
Height, Unit:	12 inch

WEED STAGE AT EACH APPLICATION

	A
Weed 1 Code, Stage:	PORPI RM
Stage Scale:	1-3 inch
Density, Unit:	18 ydsq
Weed 2 Code, Stage:	DIGSA RM
Stage Scale:	2-5 inch
Density, Unit:	13 ydsq

University of Georgia

APPLICATION EQUIPMENT

	A
Appl. Equipment:	backpack
Operating Pressure:	18
Nozzle Type:	even tip
Nozzle Size:	8003
Nozzle Spacing, Unit:	5 feet
Nozzles/Row:	1
Band Width, Unit:	
Boom Length, Unit:	
Boom Height, Unit:	18 inch
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