

University of Georgia

Palmer amaranth response to paraquat mixtures for burndown.

Trial ID: C45-07

Study Dir.: Stanley Culpepper

Location: Attapulcus

Investigator: Stanley Culpepper

Weed Code		AMAPA	AMAPA	AMAPA		
Crop Code		cotton	cotton	cotton		
Rating Data Type		%	%	%		
Rating Unit		control	control	control		
Rating Date		Jun-16-07	Jun-24-07	Jul-02-07		
Trt-Eval Interval		7 DA-A	15 DA-A	23 DA-A		
Trt No.	Treatment Name	Rate	Unit			
		1	2	3		
1	Gramoxone Inteon COC	1.5 2	PT/A % V/V	73 c	62 c	50 d
2	Gramoxone Inteon COC	2 2	PT/A % V/V	80 b	72 b	58 c
3	Gramoxone Inteon COC Direx	1.5 2 1.5	PT/A % V/V PT/A	80 b	70 b	65 b
4	Gramoxone Inteon COC Direx	1.5 2 1	PT/A % V/V QT/A	87 a	87 a	78 a
LSD (P=.05)		5.5		3.3		4.0
Standard Deviation		2.8		1.6		2.0
CV		3.45		2.26		3.19
Bartlett's X2		0.84		0.543		3.444
P(Bartlett's X2)		0.359		0.762		0.179

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

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

SOIL DESCRIPTION

% Sand: 84 % OM: 1.3 Texture: loamy sand
 % Silt: 8 pH: 6.0 Soil Name: _____
 % Clay: 8 CEC: _____ Fert. Level: _____

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

No.	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

Overall Moisture Conditions: Irrigated

Closest Weather Station: _____ Distance: _____ Unit: ____

APPLICATION DESCRIPTION

	A
Application Date:	Jun-09-07
Time of Day:	10:00 am
Application Method:	broadcast
Application Timing:	POST
Applic. Placement:	overtop
Air Temp., Unit:	92 F
% Relative Humidity:	44
Wind Velocity, Unit:	3 mph
Dew Presence (Y/N):	N
Water Hardness:	
Soil Temp., Unit:	94 F
Soil Moisture:	moist
% Cloud Cover:	0

CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	.
Stage Scale:	.
Height, Unit:	

WEED STAGE AT EACH APPLICATION

	A
Weed 1 Code, Stage:	AMAPA POST
Stage Scale:	18-22 in
Density, Unit:	5 ydsq

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APPLICATION EQUIPMENT

	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:	
Boom Length, Unit:	4.5 ft
Boom Height, Unit:	15 in
Ground Speed, Unit:	3 mph
Incorporation Equip.:	
Hours to Incorp.:	
Incorp. Depth, Unit:	
Carrier:	water
Spray Volume, Unit:	15 GPA
Spray pH:	
Propellant:	CO2
Tank Mix (Y/N):	Y

Trt No	Treatment Application Comment