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Glyphosate-resistant Palmer amaranth response to paraquat mixtures for burndown.

Trial ID: C42-07

Study Dir.: Culpepper

Location: Macon County

Investigator: Stanley Culpepper

Weed Code		AMAPA	AMAPA
Crop Code		cotton	cotton
Rating Data Type		%	%
Rating Unit		control	control
Rating Date		May-30-07	Jun-19-07
Trt-Eval Interval		18 DA-A	38 DA-A
Trt No.	Treatment Name	Rate	Unit
		1	2
1	Gramoxone Inteon COC	1.5 2	PT/A % V/V
		83 b	65 b
2	Gramoxone Inteon COC	2 2	PT/A % V/V
		97 a	80 a
3	Gramoxone Inteon COC Direx	1.5 2 1	PT/A % V/V QT/A
		94 a	80 a
4	Gramoxone Inteon COC 2,4-D Amine	1.5 2 1	PT/A % V/V PT/A
		92 a	80 a
5	Gramoxone Inteon COC Clarity	1.5 2 8	PT/A % V/V OZ/A
		90 ab	85 a
LSD (P=.05)		7.3	12.8
Standard Deviation		3.9	6.8
CV		4.24	8.72
Bartlett's X2		3.03	1.023
P(Bartlett's X2)		0.553	0.796

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: 82 % OM: 2.0 Texture: Loamy sand
 % Silt: 14 pH: 6.3 Soil Name: _____
 % Clay: 4 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:	May-12-07
Time of Day:	12:00 pm
Application Method:	broadcast
Application Timing:	POST
Applic. Placement:	overtop
Air Temp., Unit:	89 F
% Relative Humidity:	38
Wind Velocity, Unit:	2 mph
Dew Presence (Y/N):	N
Water Hardness:	
Soil Temp., Unit:	84 F
Soil Moisture:	fair
% Cloud Cover:	100

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:	3-7 in
Density, Unit:	12 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:	14.8 GPA
Spray pH:	
Propellant:	CO2
Tank Mix (Y/N):	

Trt No	Treatment Application Comment