

LSU Northeast Research Station

ET DEFOLIATION COMPARISON

GENERAL TRIAL INFORMATION

Investigator: Donnie Miller
Crop 1: GOSHI COTTON
Variety: DP164 B2RF
Planting Date: 25/Apr/2008

SITE AND DESIGN

Plot Width, Unit: 6.67 FT
Plot Length, Unit: 40 FT
Reps: 4
Study Design: RANDOMIZED COMPLETE BLOCK

APPLICATION DESCRIPTION

A
Application Date: 29/Sep/2008
Time of Day: 4:00 PM
Application Method: SPRAY
Application Timing: PREHAR
Applic. Placement: BROFOL
Air Temp., Unit: 85 F
% Relative Humidity: 36
Wind Velocity, Unit: 2.9 MPH
Dew Presence (Y/N): N
Water Hardness: N
Soil Temp., Unit: 89 F
Soil Moisture: DRY
% Cloud Cover: 50

CROP STAGE AT EACH APPLICATION

A
Crop 1 Code, Stage: GOSHI >80%OB

APPLICATION EQUIPMENT

A
Appl. Equipment: HIBOY
Operating Pressure: 42 PSI
Nozzle Type: HC
Nozzle Size: TXVS12
Nozzle Spacing, Unit: 20 "
Nozzles/Row: 2
Ground Speed, Unit: 3.77 MPH
Carrier: WATER
Spray Volume, Unit: 15

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Crop Code			GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI
Part Rated			DEFOLIATION	DESSICATION	REGROWTH	DEFOLIATION	DESSICATION	RG CONTROL	RG CONTROL	DEFOLIATION
Rating Data Type			%	%	%	%	%	TOP	BASAL	%
Rating Unit			%	%	%	%	%	%	%	%
Rating Date			6/Oct/2008	6/Oct/2008	6/Oct/2008	20/Oct/2008	20/Oct/2008	20/Oct/2008	20/Oct/2008	27/Oct/2008
Trt-Eval Interval			7 DA-A	7 DA-A	7 DA-A	21 DA-A	21 DA-A	21 DA-A	21 DA-A	28 DA-A
Trt Treatment	Rate	Appl								
No. Name	Rate	Unit Code	1	2	3	4	5	6	7	8
1 ET	2 oz/a	A	73.75 a	7.50 a	0.00 a	77.50 abc	3.75 ab	8.75 b	2.50 a	78.75 a
CT-301	2.4 oz/a	A								
COC	1 % v/v	A								
2 ET	2 oz/a	A	81.25 a	8.75 a	0.00 a	85.00 a	5.00 a	36.25 a	6.25 a	82.50 a
CT-301	2.4 oz/a	A								
PREP	24 oz/a	A								
COC	1 % v/v	A								
3 ET	1 oz/a	A	63.75 a	1.25 bc	0.00 a	72.50 bc	1.25 bc	33.75 a	10.00 a	76.25 a
PREP	24 oz/a	A								
COC	1 % v/v	A								
4 ET	2 oz/a	A	63.75 a	0.00 c	0.00 a	71.25 c	0.00 c	22.50 ab	2.50 a	71.25 a
FINISH 6 PRO	16 oz/a	A								
5 ET	2 oz/a	A	76.25 a	5.00 ab	0.00 a	81.25 ab	5.00 a	37.50 a	16.25 a	77.50 a
DIURON	2 oz/a	A								
PREP	24 oz/a	A								
COC	1 % v/v	A								
6 ET	1.25 oz/a	A	61.25 a	2.50 bc	0.00 a	72.50 bc	2.50 abc	36.25 a	2.50 a	73.75 a
PREP	24 oz/a	A								
COC	1 % v/v	A								
LSD (P=.05)			14.836	4.127	0.000	9.694	2.511	18.659	13.687	8.554
Standard Deviation			9.846	2.739	0.000	6.433	1.667	12.383	9.083	5.676
CV			14.07	65.73	0.0	8.39	57.14	42.46	136.24	7.4
Grand Mean			70.0	4.17	0.0	76.67	2.92	29.17	6.67	76.67
Bartlett's X2			12.409	2.105	0.0	7.187	0.081	14.757	10.044	7.741
P(Bartlett's X2)			0.03*	0.551	.	0.126	0.96	0.011*	0.074	0.171
Replicate F			1.748	1.111	0.000	3.154	2.500	0.598	0.909	0.948
Replicate Prob(F)			0.2002	0.3756	1.0000	0.0559	0.0991	0.6262	0.4600	0.4422
Treatment F			2.759	6.556	0.000	3.000	6.000	3.402	1.505	1.914
Treatment Prob(F)			0.0582	0.0020	1.0000	0.0450	0.0030	0.0297	0.2466	0.1516

Means followed by same letter do not significantly differ (P=.05, LSD)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Crop Code		GOSHI		GOSHI		GOSHI	
Part Rated		DESSICATION		RG CONTROL		RG CONTROL	
Rating Data Type		%		%		%	
Rating Unit		27/Oct/2008		27/Oct/2008		27/Oct/2008	
Rating Date		28 DA-A		28 DA-A		28 DA-A	
Trt-Eval Interval							
Trt	Treatment	Rate	Appl	9	10	11	
No.	Name	Rate	Unit	Code			
1	ET	2 oz/a	A		0.00 a	7.50 c	2.50 a
	CT-301	2.4 oz/a	A				
	COC	1 % v/v	A				
2	ET	2 oz/a	A		0.00 a	31.25 a	12.50 a
	CT-301	2.4 oz/a	A				
	PREP	24 oz/a	A				
	COC	1 % v/v	A				
3	ET	1 oz/a	A		0.00 a	26.25 ab	11.25 a
	PREP	24 oz/a	A				
	COC	1 % v/v	A				
4	ET	2 oz/a	A		0.00 a	27.50 ab	7.50 a
	FINISH 6 PRO	16 oz/a	A				
5	ET	2 oz/a	A		0.00 a	16.25 bc	13.75 a
	DIURON	2 oz/a	A				
	PREP	24 oz/a	A				
	COC	1 % v/v	A				
6	ET	1.25 oz/a	A		0.00 a	22.50 ab	13.75 a
	PREP	24 oz/a	A				
	COC	1 % v/v	A				
LSD (P=.05)					0.000	11.364	11.692
Standard Deviation					0.000	7.542	7.759
CV					0.0	34.48	76.01
Grand Mean					0.0	21.88	10.21
Bartlett's X2					0.0	6.893	8.306
P(Bartlett's X2)					.	0.229	0.14
Replicate F					0.000	4.560	0.433
Replicate Prob(F)					1.0000	0.0184	0.7328
Treatment F					0.000	5.308	1.304
Treatment Prob(F)					1.0000	0.0053	0.3139

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