

LSU Northeast Research Station

ET IN COMBINATION WITH ETHEPHON AND VARIED COC RATES FOR COTTON DEFOLIATION

Trial ID: Study Dir.:
 Location: Investigator: Donnie Miller

CROP AND WEED DESCRIPTION

Crop 1: GOSHI COTTON Variety: DP 164 B2RF
 Planting Date: 1/May/2007

SITE AND DESIGN

Plot Width, Unit: 6.67 FT Plot Length, Unit: 20 FT Reps: 4
 Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 50 % OM: 0.5 Texture: SILT LOAM
 % Silt: 28 pH: 6.8
 % Clay: 22 CEC: 12.8

APPLICATION DESCRIPTION

A
 Application Date: 19/Sep/2007
 Time of Day: 11:15 AM
 Application Method: SPRAY
 Application Timing: PREHAR
 Applic. Placement: BROFOL
 Air Temp., Unit: 84 F
 % Relative Humidity: 46
 Wind Velocity, Unit: 2.8 MPH
 Dew Presence (Y/N): N
 Water Hardness: N
 Soil Temp., Unit: 79 F
 Soil Moisture: MOIST
 % Cloud Cover: 0

CROP STAGE AT EACH APPLICATION

A
 Crop 1 Code, Stage: GOSHI 65-70%OB
 Stage Scale:
 Height, Unit:

APPLICATION EQUIPMENT

A
 Appl. Equipment: HIBOY
 Operating Pressure: 42 PSI
 Nozzle Type: HC
 Nozzle Size: TXVS 12
 Nozzle Spacing, Unit: 20 "
 Nozzles/Row: 2
 Band Width, Unit:
 Boom Length, Unit:
 Boom Height, Unit:
 Ground Speed, Unit: 3.77 MPH
 Incorporation Equip.:
 Hours to Incorp.:
 Incorp. Depth, Unit:
 Carrier: WATER
 Spray Volume, Unit: 15 GPA
 Spray pH:
 Propellant:
 Tank Mix (Y/N):

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Trial ID:			Study Dir.:			
Location:			Investigator: Donnie Miller			
Crop Code			GOSHI	GOSHI	GOSHI	GOSHI
Rating Data Type			DEFOLIATION	DESSICATION	DEFOLIATION	DESSICATION
Rating Unit			%	%	%	%
Rating Date			26/Sep/2007	26/Sep/2007	3/Oct/2007	3/Oct/2007
Trt-Eval Interval			7 DA-A	7 DA-A	14 DA-A	14 DA-A
Trt Treatment	Rate	Appl				
No. Name	Rate Unit	Code	1	2	3	4
1 ET	1.5 oz/a	A	75.00 a	0.00 a	76.25 a	0.00 a
PREP	32 oz/a	A				
COC	1 % v/v	A				
2 ET	2 oz/a	A	70.00 a	0.00 a	78.75 a	0.00 a
PREP	32 oz/a	A				
COC	1 % v/v	A				
3 ET	1.5 oz/a	A	76.25 a	0.00 a	78.75 a	0.00 a
PREP	32 oz/a	A				
COC	0.5 % v/v	A				
4 ET	1.5 oz/a	A	76.25 a	0.00 a	78.75 a	0.00 a
PREP	32 oz/a	A				
COC	0.25 % v/v	A				
5 ET	1.5 oz/a	A	72.50 a	0.00 a	76.25 a	0.00 a
PREP	32 oz/a	A				
COC	0 % v/v	A				
6 DROPP	1.6 oz/a	A	70.00 a	0.00 a	75.00 a	0.00 a
PREP	32 oz/a	A				
NIS	0.25 % v/v	A				
7 NONTREATED			0.00 b	0.00 a	0.00 b	0.00 a
LSD (P=.05)			8.513	0.000	6.667	0.000
Standard Deviation			5.730	0.000	4.488	0.000
CV			9.12	0.0	6.77	0.0
Grand Mean			62.86	0.0	66.25	0.0
Bartlett's X2			4.116	0.0	3.072	0.0
P(Bartlett's X2)			0.533	.	0.689	.
Replicate F			5.293	0.000	3.828	0.000
Replicate Prob(F)			0.0086	1.0000	0.0278	1.0000
Treatment F			94.450	0.000	169.966	0.000
Treatment Prob(F)			0.0001	1.0000	0.0001	1.0000

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.