

# LSU Northeast Research Station

## BAYER CROP SCIENCE HARVEST AIDS

### GENERAL INFORMATION

INVESTIGATOR: Donnie Miller  
Crop 1: GOSHI COTTON  
Variety: DP164B2RF  
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	B
Application Date:	29/Sep/2008	9/Oct/2008
Time of Day:	3:30 PM	10:15 AM
Application Method:	SPRAY	SPRAY
Application Timing:	PREHAR	PREHAR
Applic. Placement:	BROFOL	BROFOL
Air Temp., Unit:	86 F	74 F
% Relative Humidity:	41	58
Wind Velocity, Unit:	4.4 MPH	2.9 MPH
Dew Presence (Y/N):	N	N
Water Hardness:	N	N
Soil Temp., Unit:	87 F	70 F
Soil Moisture:	DRY	MOIST
% Cloud Cover:	50	0

### CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	GOSHI >80%OB	GOSHI >90%OB

### APPLICATION EQUIPMENT

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

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Crop Code	GOSHI		GOSHI		GOSHI		GOSHI		GOSHI		GOSHI		GOSHI	
Part Rated	DEFOLIATION		DESSICATION		REGROWTH		DEFOLIATION		DESSICATION		RG CONTROL		RG CONTROL	
Rating Data Type	%		%		%		%		%		%		%	
Rating Unit	6/Oct/2008		6/Oct/2008		6/Oct/2008		20/Oct/2008		20/Oct/2008		20/Oct/2008		20/Oct/2008	
Trt-Eval Interval	7 DAT		7 DAT		7 DAT		21 DAT		21 DAT		21 DAT		21 DAT	
Trt Treatment	Rate	Appl	1		2		3		4		5		6	
No. Name	Rate	Unit Code	1		2		3		4		5		6	
1 FINISH 6 PRO	21.3 oz/a	A	56.25 d	0.00 a	0.00 a	75.00 e	0.00 a	85.00 cd	11.25 bc	77.50 c				
DROPP SC	2.13 oz/a	A												
2 FINISH 6 PRO	21.3 oz/a	A	60.00 cd	0.00 a	0.00 a	78.75 cde	0.00 a	83.75 d	8.75 c	82.50 bc				
GINSTAR	4 oz/a	A												
3 FINISH 6 PRO	21.3 oz/a	A	67.50 abc	0.00 a	0.00 a	83.75 cd	0.00 a	88.75 bcd	15.00 bc	85.00 b				
GINSTAR	5.33 oz/a	A												
4 FINISH 6 PRO	21.3 oz/a	A	71.25 ab	0.00 a	0.00 a	77.50 de	0.00 a	85.00 cd	16.25 bc	85.00 b				
DROPP SC	2.13 oz/a	A												
DEF	5.3 oz/a	A												
5 FINISH 6 PRO	21.3 oz/a	A	70.00 abc	0.00 a	0.00 a	86.25 bc	0.00 a	92.50 b	21.25 bc	85.00 b				
DROPP SC	2.13 oz/a	A												
GINSTAR	2 oz/a	A												
6 FINISH 6 PRO	21.3 oz/a	A	75.00 a	0.00 a	0.00 a	82.50 cde	0.00 a	90.00 bc	36.25 b	86.25 b				
DROPP SC	2.13 oz/a	A												
GINSTAR	3 oz/a	A												
7 FINISH 6 PRO	5.33 oz/a	A	33.75 e	0.00 a	0.00 a	92.50 ab	0.00 a	98.75 a	67.50 a	96.25 a				
DROPP SC	2.13 oz/a	A												
FINISH 6 PRO	21.3 oz/a	B												
DEF	5.3 oz/a	B												
8 FINISH 6 PRO	5.33 oz/a	A	62.50 bcd	0.00 a	0.00 a	98.75 a	0.00 a	98.75 a	70.00 a	100.00 a				
GINSTAR	5.33 oz/a	A												
FINISH 6 PRO	21.3 oz/a	B												
DEF	5.3 oz/a	B												
9 DROPP SC	2 oz/a	A	68.75 abc	0.00 a	0.00 a	80.00 cde	0.00 a	91.25 b	36.25 b	81.25 bc				
PREP	21 oz/a	A												
DEF	6 oz/a	A												
10 NONTREATED			0.00 f	0.00 a	0.00 a	0.00 f	0.00 a	0.00 e	0.00 c	0.00 d				
LSD (P=.05)			10.298	0.000	0.000	7.698	0.000	5.633	27.052	6.750				
Standard Deviation			7.097	0.000	0.000	5.305	0.000	3.882	18.644	4.652				
CV			12.56	0.0	0.0	7.03	0.0	4.77	66.0	5.97				
Grand Mean			56.5	0.0	0.0	75.5	0.0	81.38	28.25	77.88				
Bartlett's X2			8.059	0.0	0.0	13.626	0.0	8.62	12.906	7.902				
P(Bartlett's X2)			0.428	.	.	0.092	.	0.281	0.115	0.245				
Replicate F			9.033	0.000	0.000	1.066	0.000	3.581	0.194	1.107				
Replicate Prob(F)			0.0003	1.0000	1.0000	0.3800	1.0000	0.0267	0.8994	0.3635				
Treatment F			42.099	0.000	0.000	107.329	0.000	224.373	6.710	146.763				
Treatment Prob(F)			0.0001	1.0000	1.0000	0.0001	1.0000	0.0001	0.0001	0.0001				

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	TOP	BASAL
Rating Data Type			%	RG CONTROL	RG CONTROL
Rating Unit			%	%	%
Rating Date			27/Oct/2008	27/Oct/2008	27/Oct/2008
Trt-Eval Interval			28 DAT	28 DAT	28 DAT
Trt Treatment	Rate	Appl			
No. Name	Rate Unit	Code	9	10	11
1 FINISH 6 PRO	21.3 oz/a	A	0.00 a	86.25 e	12.50 d
DROPP SC	2.13 oz/a	A			
2 FINISH 6 PRO	21.3 oz/a	A	0.00 a	87.50 de	13.75 cd
GINSTAR	4 oz/a	A			
3 FINISH 6 PRO	21.3 oz/a	A	0.00 a	90.00 cde	23.75 bc
GINSTAR	5.33 oz/a	A			
4 FINISH 6 PRO	21.3 oz/a	A	0.00 a	87.50 de	18.75 bcd
DROPP SC	2.13 oz/a	A			
DEF	5.3 oz/a	A			
5 FINISH 6 PRO	21.3 oz/a	A	0.00 a	93.75 bc	18.75 bcd
DROPP SC	2.13 oz/a	A			
GINSTAR	2 oz/a	A			
6 FINISH 6 PRO	21.3 oz/a	A	0.00 a	91.25 cd	27.50 b
DROPP SC	2.13 oz/a	A			
GINSTAR	3 oz/a	A			
7 FINISH 6 PRO	5.33 oz/a	A	0.00 a	97.50 ab	62.50 a
DROPP SC	2.13 oz/a	A			
FINISH 6 PRO	21.3 oz/a	B			
DEF	5.3 oz/a	B			
8 FINISH 6 PRO	5.33 oz/a	A	0.00 a	100.00 a	67.50 a
GINSTAR	5.33 oz/a	A			
FINISH 6 PRO	21.3 oz/a	B			
DEF	5.3 oz/a	B			
9 DROPP SC	2 oz/a	A	0.00 a	87.50 de	17.50 bcd
PREP	21 oz/a	A			
DEF	6 oz/a	A			
10 NONTREATED			0.00 a	0.00 f	0.00 e
LSD (P=.05)			0.000	3.893	10.383
Standard Deviation			0.000	2.683	7.156
CV			0.0	3.27	27.26
Grand Mean			0.0	82.13	26.25
Bartlett's X2			0.0	1.148	13.934
P(Bartlett's X2)			.	0.992	0.084
Replicate F			0.000	0.550	1.741
Replicate Prob(F)			1.0000	0.6526	0.1822
Treatment F			0.000	474.415	36.863
Treatment Prob(F)			1.0000	0.0001	0.0001

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.