

LSU Northeast Research Station

REFLEX FORMULATIONS PRE IN COTTON

GENERAL TRIAL INFORMATION

Study Director: UPI
Investigator: Donnie Miller
TRIAL LOCATION: ST JOSEPH, LA
Crop 1: GOSHI COTTON
Variety: DP164B2RF
Planting Date: 12/Jun/2008

SITE AND DESIGN

Plot Width, Unit: 6.67 FT
Plot Length, Unit: 25 FT
Reps: 4
Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

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

APPLICATION DESCRIPTION

	A	B
Application Date:	5/Jun/2008	12/Jun/2008
Time of Day:	3:30 PM	9:45 AM
Application Method:	SPRAY	SPRAY
Application Timing:	PREPRE	ATPLAN
Applic. Placement:	BROSOI	BROSOI
Air Temp., Unit:	88 F	84 F
% Relative Humidity:	58	67
Wind Velocity, Unit:	13.6 MPH	8.2 MPH
Dew Presence (Y/N):	N	N
Water Hardness:	N	N
Soil Temp., Unit:	99 F	88 F
Soil Moisture:	DRY	DRY
% Cloud Cover:	30	50

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	GOSHI N/A	GOSHI N/A

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	CO2 BCPCCK	CO2 BCPCCK
Operating Pressure:	34 psi	34 psi
Nozzle Type:	DG	DG
Nozzle Size:	11002	11002
Nozzle Spacing, Unit:	20 IN	20 IN
Nozzles/Row:	2	2
Ground Speed, Unit:	3.2 MPH	3.2 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	15 GPA	15 GPA

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Weed Code		ECHCG	CASOB	SEBEX	AMARE	IPOLA	IPOHG		ECHCG	CASOB			
Crop Code		GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI		GOSHI	GOSHI			
Rating Data Type		INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL		INJURY	CONTROL			
Rating Unit		%	%	%	%	%	%		%	%			
Rating Date		23/Jun/2008	26/Jun/2008	26/Jun/2008	26/Jun/2008	26/Jun/2008	26/Jun/2008	26/Jun/2008	26/Jun/2008	11/Jul/2008	11/Jul/2008		
Trt-Eval Interval		7 DAP	14 DAP	14 DAP	14 DAP	14 DAP	14 DAP	14 DAP	14 DAP				
ARM Action Codes										28 DAP	28 DAP		
Trt Treatment	Rate	Unit	Appl Code	1	2	3	4	5	6	7	8	9	10
1 KFD-39-02	0.25 lb ai/a	A		0.00 a	82.50 bc	73.75 a	92.50 abc	100.00 a	90.00 b	100.00 a	17.50 a	67.50 a-d	67.50 a
2 Reflex	0.25 lb ai/a	A		0.75 a	83.75 abc	80.00 a	95.00 ab	100.00 a	96.25 ab	97.50 ab	17.50 a	60.00 b-e	63.75 a
3 KFD-39-02	0.25 lb ai/a	B		0.75 a	77.50 c	75.00 a	98.75 a	100.00 a	98.75 ab	92.50 b	13.75 a	56.25 cde	72.50 a
4 Reflex	0.25 lb ai/a	B		0.75 a	85.00 ab	86.25 a	88.75 bc	100.00 a	97.50 ab	96.25 ab	17.50 a	70.00 a-d	76.25 a
5 KFD-39-02	0.38 lb ai/a	A		2.25 a	88.75 ab	85.00 a	97.50 a	100.00 a	100.00 a	98.75 a	18.75 a	80.00 a	73.75 a
6 REFLEX	0.38 lb ai/a	A		2.25 a	87.50 ab	83.75 a	92.50 abc	100.00 a	100.00 a	97.50 ab	16.25 a	75.00 abc	70.00 a
7 KFD-39-02	0.38 lb ai/a	B		1.50 a	90.00 a	83.75 a	96.25 a	100.00 a	100.00 a	100.00 a	17.50 a	77.50 ab	70.00 a
8 REFLEX	0.38 lb ai/a	B		2.25 a	88.75 ab	82.50 a	86.25 c	100.00 a	100.00 a	97.50 ab	18.75 a	55.00 de	71.25 a
9 NONTREATED				0.00 a	0.00 d	0.00 b	0.00 d	0.00 b	0.00 c	0.00 c	0.00 b	47.50 e	70.00 a
LSD (P=.05)				1.987	7.339	15.142	6.898	0.000	9.899	5.100	7.297	19.680	19.718
Standard Deviation				1.362	5.029	10.375	4.726	0.000	6.783	3.494	5.000	13.484	13.510
CV				116.72	6.62	14.37	5.69	0.0	7.8	4.03	32.73	20.61	19.15
Grand Mean				1.17	75.97	72.22	83.06	88.89	86.94	86.67	15.28	65.42	70.56
Bartlett's X2				0.105	4.422	9.751	6.848	0.0	19.632	3.257	6.269	12.056	15.937
P(Bartlett's X2)				1.00	0.73	0.203	0.335	.	0.001*	0.66	0.509	0.149	0.043*
Replicate F				0.899	21.410	0.981	3.192	0.000	1.147	2.578	0.333	7.938	0.172
Replicate Prob(F)				0.4562	0.0001	0.4184	0.0417	1.0000	0.3503	0.0772	0.8013	0.0008	0.9139
Treatment F				1.854	130.785	27.955	176.627	0.000	93.332	347.673	5.611	2.801	0.283
Treatment Prob(F)				0.1157	0.0001	0.0001	0.0001	1.0000	0.0001	0.0001	0.0005	0.0241	0.9650

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.

Weed Code		SEBEX	AMARE	IPOLA	IPOHG					
Crop Code		GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI			
Rating Data Type		CONTROL	CONTROL	CONTROL	CONTROL	INJURY	AVG CROP HT			
Rating Unit		%	%	%	%	%	CM			
Rating Date		11/Jul/2008	11/Jul/2008	11/Jul/2008	11/Jul/2008	11/Jul/2008	3/Jul/2008	24/Jul/2008		
Trt-Eval Interval		28 DAP	28 DAP	28 DAP	28 DAP	28 DAP	21 DAP	42 DAP		
ARM Action Codes										
Trt Treatment	Rate	Unit	Appl Code	11	12	13	14	15	16	17
1 KFD-39-02	0.25 lb ai/a	A		85.00 a	100.00 a	100.00 a	100.00 a	0.00 a	15.68 a	41.98 a
2 Reflex	0.25 lb ai/a	A		95.00 a	100.00 a	96.25 a	98.75 a	0.00 a	16.48 a	41.83 a
3 KFD-39-02	0.25 lb ai/a	B		93.75 a	100.00 a	100.00 a	90.00 a	0.00 a	14.73 a	36.93 a
4 Reflex	0.25 lb ai/a	B		88.75 a	100.00 a	97.50 a	97.50 a	0.00 a	15.18 a	41.48 a
5 KFD-39-02	0.38 lb ai/a	A		90.00 a	100.00 a	97.50 a	93.75 a	0.00 a	14.33 a	42.55 a
6 REFLEX	0.38 lb ai/a	A		86.25 a	100.00 a	98.75 a	91.25 a	0.00 a	14.40 a	38.35 a
7 KFD-39-02	0.38 lb ai/a	B		90.00 a	100.00 a	100.00 a	97.50 a	0.00 a	14.15 a	40.68 a
8 REFLEX	0.38 lb ai/a	B		81.25 a	100.00 a	100.00 a	92.50 a	0.00 a	15.38 a	43.23 a
9 NONTREATED				91.25 a	100.00 a	98.75 a	88.75 a	0.00 a	15.95 a	34.65 a
LSD (P=.05)				11.527	0.000	3.830	9.074	0.000	2.476	5.981
Standard Deviation				7.898	0.000	2.624	6.218	0.000	1.696	4.098
CV				8.87	0.0	2.66	6.58	0.0	11.21	10.2
Grand Mean				89.03	100.0	98.75	94.44	0.0	15.14	40.18
Bartlett's X2				3.039	0.0	2.744	6.668	0.0	13.807	5.89
P(Bartlett's X2)				0.932	.	0.601	0.464	.	0.087	0.659
Replicate F				3.989	0.000	1.983	0.623	0.000	3.068	9.417
Replicate Prob(F)				0.0194	1.0000	0.1434	0.6072	1.0000	0.0472	0.0003
Treatment F				1.197	0.000	1.134	1.743	0.000	0.894	2.002
Treatment Prob(F)				0.3420	1.0000	0.3767	0.1396	1.0000	0.5365	0.0901

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.