

LSU Northeast Research Station

Glufosinate and insecticide/mepiquat chloride co-application effects on growth and yield of Liberty Link cotton

GENERAL TRIAL INFORMATION

Investigator: Donnie Miller
TRIAL LOCATION: ST JOSEPH, LA
Crop 1: GOSHI COTTON
Variety: FM1735LL
Planting Date: 19/May/2008

SITE AND DESIGN

Plot Width, Unit: 6.67 FT
Plot Length, Unit: 20 FT
Reps: 4
Study Design: FACTORIAL

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:	25/Jun/2008	23/Jul/2008
Time of Day:	11:30 AM	11:30 AM
Application Method:	SPRAY	SPRAY
Application Timing:	LAPOCR	POSTBL
Applic. Placement:	BROFOL	BROFOL
Air Temp., Unit:	75 F	88 F
% Relative Humidity:	70	62
Wind Velocity, Unit:	8.6 MPH	3.5 MPH
Dew Presence (Y/N):	N	N
Water Hardness:	N	N
Soil Temp., Unit:	87 F	98 F
Soil Moisture:	MOIST	DRY
% Cloud Cover:	40	50

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	GOSHI 11-12 LF	GOSHI BLOOM

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	CO2 BCPCK	TRACTOR
Operating Pressure:	34 psi	38 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

FACTORIAL/POOLED ERROR AOV For GOSHI INJURY % 2/Jul/2008 7 DA-A						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	33.466667				
R	2	0.316667	0.158333	0.553	0.5777	0.24
A	1	0.533333	0.533333	1.861	0.1764	0.17
B	9	2.300000	0.255556	0.892	0.5365	0.38
AB	9	2.300000	0.255556	0.892	0.5365	0.54
C	1	0.533333	0.533333	1.861	0.1764	0.17
AC	1	0.533333	0.533333	1.861	0.1764	0.24
BC	9	2.300000	0.255556	0.892	0.5365	0.54
ABC	9	2.300000	0.255556	0.892	0.5365	0.76
ERROR	78	22.350000	0.286538			

FACTORIAL/POOLED ERROR AOV For GOSHI INJURY % 9/Jul/2008 14 DA-A						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	0.000000				
R	2	0.000000	0.000000	0.000	0.0000	0.00
A	1	0.000000	0.000000	0.000	0.0000	0.00
B	9	0.000000	0.000000	0.000	0.0000	0.00
AB	9	0.000000	0.000000	0.000	0.0000	0.00
C	1	0.000000	0.000000	0.000	0.0000	0.00
AC	1	0.000000	0.000000	0.000	0.0000	0.00
BC	9	0.000000	0.000000	0.000	0.0000	0.00
ABC	9	0.000000	0.000000	0.000	0.0000	0.00
ERROR	78	0.000000	0.000000			

FACTORIAL/POOLED ERROR AOV For GOSHI AVG CROP HT CM 9/Jul/2008 14 DA-A						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	155663.148272				
R	2	36.453364	18.226682	0.258	0.7732	3.76
A	1	563.983561	563.983561	7.984	0.0060	2.66
B	9	296.639425	32.959936	0.467	0.8927	5.94
AB	9	597.895031	66.432781	0.940	0.4955	8.40
C	1	147199.540325	147199.540325	2083.724	0.0001	2.66
AC	1	563.983561	563.983561	7.984	0.0060	3.76
BC	9	296.639425	32.959936	0.467	0.8927	8.40
ABC	9	597.895031	66.432781	0.940	0.4955	11.89
ERROR	78	5510.118551	70.642546			

FACTORIAL/POOLED ERROR AOV For GOSHI INJURY % 23/Jul/2008 28 DA-A						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	0.000000				
R	2	0.000000	0.000000	0.000	0.0000	0.00
A	1	0.000000	0.000000	0.000	0.0000	0.00
B	9	0.000000	0.000000	0.000	0.0000	0.00
AB	9	0.000000	0.000000	0.000	0.0000	0.00
C	1	0.000000	0.000000	0.000	0.0000	0.00
AC	1	0.000000	0.000000	0.000	0.0000	0.00
BC	9	0.000000	0.000000	0.000	0.0000	0.00
ABC	9	0.000000	0.000000	0.000	0.0000	0.00
ERROR	78	0.000000	0.000000			

FACTORIAL/POOLED ERROR AOV For GOSHI AVG CROP HT CM 23/Jul/2008 28 DA-A						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	227579.888061				
R	2	103.006211	51.503105	0.956	0.3890	3.28
A	1	570.288293	570.288293	10.582	0.0017	2.32
B	9	223.532102	24.836900	0.461	0.8964	5.19
AB	9	606.818744	67.424305	1.251	0.2772	7.34
C	1	220471.849705	220471.849705	4090.821	0.0001	2.32
AC	1	570.288293	570.288293	10.582	0.0017	3.28
BC	9	223.532102	24.836900	0.461	0.8964	7.34
ABC	9	606.818744	67.424305	1.251	0.2772	10.38
ERROR	78	4203.753867	53.894280			

FACTORIAL/POOLED ERROR AOV For GOSHI INJURY % 30/Jul/2008 7 DA-B						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	0.000000				
R	2	0.000000	0.000000	0.000	0.0000	0.00
A	1	0.000000	0.000000	0.000	0.0000	0.00
B	9	0.000000	0.000000	0.000	0.0000	0.00
AB	9	0.000000	0.000000	0.000	0.0000	0.00
C	1	0.000000	0.000000	0.000	0.0000	0.00
AC	1	0.000000	0.000000	0.000	0.0000	0.00
BC	9	0.000000	0.000000	0.000	0.0000	0.00
ABC	9	0.000000	0.000000	0.000	0.0000	0.00
ERROR	78	0.000000	0.000000			

FACTORIAL/POOLED ERROR AOV For GOSHI INJURY % 13/Aug/2008 21 DA-B						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	0.000000				
R	2	0.000000	0.000000	0.000	0.0000	0.00
A	1	0.000000	0.000000	0.000	0.0000	0.00
B	9	0.000000	0.000000	0.000	0.0000	0.00
AB	9	0.000000	0.000000	0.000	0.0000	0.00
C	1	0.000000	0.000000	0.000	0.0000	0.00
AC	1	0.000000	0.000000	0.000	0.0000	0.00
BC	9	0.000000	0.000000	0.000	0.0000	0.00
ABC	9	0.000000	0.000000	0.000	0.0000	0.00
ERROR	78	0.000000	0.000000			

FACTORIAL/POOLED ERROR AOV For GOSHI AVG CROP HT CM 13/Aug/2008 21 DA-B						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	248098.825406				
R	2	32.689502	16.344751	0.339	0.7133	3.10
A	1	0.065333	0.065333	0.001	0.9707	2.19
B	9	326.598027	36.288670	0.753	0.6591	4.91
AB	9	543.851286	60.427921	1.255	0.2752	6.94
C	1	242568.209563	242568.209563	5036.157	0.0001	2.19
AC	1	0.065333	0.065333	0.001	0.9707	3.10
BC	9	326.598027	36.288670	0.753	0.6591	6.94
ABC	9	543.851286	60.427921	1.255	0.2752	9.81
ERROR	78	3756.897050	48.165347			

FACTORIAL/POOLED ERROR AOV For GOSHI AVG CROP HT CM 27/Aug/2008 35 DA-B						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	269306.394176				
R	2	17.508162	8.754081	0.306	0.7375	2.39
A	1	7.400297	7.400297	0.258	0.6126	1.69
B	9	246.758591	27.417621	0.958	0.4814	3.78
AB	9	291.431339	32.381260	1.131	0.3516	5.35
C	1	265964.327138	265964.327138	9288.717	0.0001	1.69
AC	1	7.400297	7.400297	0.258	0.6126	2.39
BC	9	246.758591	27.417621	0.958	0.4814	5.35
ABC	9	291.431339	32.381260	1.131	0.3516	7.57
ERROR	78	2233.378421	28.633057			

LSU Northeast Research Station

Crop Code	GOSHI		GOSHI		GOSHI		GOSHI	
Part Rated	GOSHI		GOSHI		GOSHI		GOSHI	
Rating Data Type	YIELD	YIELD	SEEDCOTTON	LINT	FRACTION	LINT	LINT	YIELD
Rating Unit	LB	LB/A	GRAMS	GRAMS	%	%	LB/A	LB/A
Rating Date	15/Oct/2008	15/Oct/2008	17/Oct/2008	17/Oct/2008	17/Oct/2008	17/Oct/2008	7/Nov/2008	7/Nov/2008

Trt-Eval Interval	TY1			T2			T3	
ARM Action Codes	TY1			T2			T3	
# Subsamples, Dec.	1							

Trt Treatment	Rate	Unit	Appl Code	10	11	12	13	14	15
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TABLE OF R MEANS

Replicate 1				5.04	1646.7	899.34	351.19	38.99	643.56
Replicate 2				5.16	1684.0	871.90	341.78	39.37	647.84
Replicate 3				5.08	1657.7	855.50	325.88	38.03	625.45
Replicate 4			

TABLE OF A MEANS

1 IGNITE	29 oz/a	A		4.88	1593.8	858.78	333.28	38.80	607.87
2 IGNITE	29 oz/a	A		5.30	1731.8	892.38	345.94	38.79	670.03
2 STANCE	3 oz/a	A							

TABLE OF B MEANS

1 ACEPHATE	0.5 lb ai/a	A		4.98	1624.5	925.71	354.54	38.15	592.46
2 BAYTHROID XL	0.033 lb ai/a	A		4.28	1398.1	778.46	300.00	38.34	507.11
3 BIDRIN	0.4 lb ai/a	A		4.74	1546.7	905.67	354.92	39.37	615.08
4 CENTRIC	0.047 lb ai/a	A		4.69	1532.8	836.29	320.13	38.51	584.75
5 DIMETHOATE	0.25 lb ai/a	A		5.03	1643.6	883.92	341.58	38.69	636.12
6 DIAMOND	9 oz/a	A		6.00	1959.2	855.08	327.92	38.32	752.40
7 CARBINE	0.088 lb ai/a	A		5.21	1700.7	898.92	351.92	39.03	658.24
8 ZEPHYR	5 oz/a	A		5.11	1669.1	912.58	347.83	38.05	638.22
9 OBERON	5 oz/a	A		5.35	1745.9	850.25	337.00	39.90	699.00
10 VYDATE C-LV	0.4 lb ai/a	A		5.54	1807.4	908.92	360.29	39.62	706.13

TABLE OF C MEANS

1 MATCH HEAD SQUARE		A		5.19	1696.2	876.51	332.48	37.95	636.08
2 FIRST FLOWER		B		4.99	1629.4	874.65	346.75	39.64	641.82

TABLE OF AB MEANS

1 IGNITE	29 oz/a	A		4.41	1441.1	899.25	371.08	40.80	545.40
1 ACEPHATE	0.5 lb ai/a	A							
2 IGNITE	29 oz/a	A		5.54	1807.9	952.17	338.00	35.49	639.52
2 STANCE	3 oz/a	A							
1 ACEPHATE	0.5 lb ai/a	A							
1 IGNITE	29 oz/a	A		3.38	1103.7	729.42	266.33	36.43	334.34
2 BAYTHROID XL	0.033 lb ai/a	A							
2 IGNITE	29 oz/a	A		5.18	1692.5	827.50	333.67	40.25	679.88
2 STANCE	3 oz/a	A							
2 BAYTHROID XL	0.033 lb ai/a	A							
1 IGNITE	29 oz/a	A		4.78	1561.9	854.17	345.17	40.54	637.47
3 BIDRIN	0.4 lb ai/a	A							
2 IGNITE	29 oz/a	A		4.69	1531.5	957.17	364.67	38.20	592.69
2 STANCE	3 oz/a	A							
3 BIDRIN	0.4 lb ai/a	A							
1 IGNITE	29 oz/a	A		4.76	1552.7	863.08	322.92	37.41	580.74
4 CENTRIC	0.047 lb ai/a	A							
2 IGNITE	29 oz/a	A		4.63	1513.0	809.50	317.33	39.61	588.76
2 STANCE	3 oz/a	A							
4 CENTRIC	0.047 lb ai/a	A							
1 IGNITE	29 oz/a	A		5.14	1677.3	933.83	360.67	38.72	649.13
5 DIMETHOATE	0.25 lb ai/a	A							
2 IGNITE	29 oz/a	A		4.93	1609.8	834.00	322.50	38.66	623.11
2 STANCE	3 oz/a	A							
5 DIMETHOATE	0.25 lb ai/a	A							
1 IGNITE	29 oz/a	A		6.09	1989.7	824.17	318.00	38.63	766.68
6 DIAMOND	9 oz/a	A							
2 IGNITE	29 oz/a	A		5.91	1928.7	886.00	337.83	38.01	738.12
2 STANCE	3 oz/a	A							
6 DIAMOND	9 oz/a	A							
1 IGNITE	29 oz/a	A		4.94	1612.0	877.50	340.17	38.70	625.37
7 CARBINE	0.088 lb ai/a	A							
2 IGNITE	29 oz/a	A		5.48	1789.4	920.33	363.67	39.36	691.12
2 STANCE	3 oz/a	A							
7 CARBINE	0.088 lb ai/a	A							
1 IGNITE	29 oz/a	A		5.09	1662.1	938.00	354.50	37.78	630.20
8 ZEPHYR	5 oz/a	A							

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Crop Code	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI
Part Rated						
Rating Data Type	YIELD	YIELD	SEEDCOTTON	LINT	FRACTION	LINT YIELD
Rating Unit	LB	LB/A	GRAMS	GRAMS	%	LB/A
Rating Date	15/Oct/2008	15/Oct/2008	17/Oct/2008	17/Oct/2008	17/Oct/2008	7/Nov/2008

Trt-Eval Interval						
ARM Action Codes		TY1			T2	T3
# Subsamples, Dec.		1				

Trt Treatment	Rate	Rate Unit	Appl Code	10	11	12	13	14	15
2 IGNITE	29 oz/a	A		5.13	1676.2	887.17	341.17	38.33	646.23
2 STANCE	3 oz/a	A							
8 ZEPHYR	5 oz/a	A							
1 IGNITE	29 oz/a	A		5.28	1725.2	772.83	308.00	40.23	706.43
9 OBERON	5 oz/a	A							
2 IGNITE	29 oz/a	A		5.41	1766.6	927.67	366.00	39.57	691.56
2 STANCE	3 oz/a	A							
9 OBERON	5 oz/a	A							
1 IGNITE	29 oz/a	A		4.94	1612.0	895.58	346.00	38.77	602.96
10 VYDATE C-LV	0.4 lb ai/a	A							
2 IGNITE	29 oz/a	A		6.13	2002.8	922.25	374.58	40.48	809.30
2 STANCE	3 oz/a	A							
10 VYDATE C-LV	0.4 lb ai/a	A							

TABLE OF AC MEANS

1 IGNITE	29 oz/a	A		4.94	1612.1	865.38	330.35	38.24	602.11
1 MATCH HEAD SQUARE		A							
2 IGNITE	29 oz/a	A		5.45	1780.3	887.63	334.60	37.66	670.04
2 STANCE	3 oz/a	A							
1 MATCH HEAD SQUARE		A							
1 IGNITE	29 oz/a	A		4.82	1575.4	852.18	336.22	39.36	613.63
2 FIRST FLOWER		B							
2 IGNITE	29 oz/a	A		5.16	1683.4	897.12	357.28	39.92	670.02
2 STANCE	3 oz/a	A							
2 FIRST FLOWER		B							

TABLE OF BC MEANS

1 ACEPHATE	0.5 lb ai/a	A		5.11	1667.5	926.83	346.50	37.42	621.91
1 MATCH HEAD SQUARE		A							
2 BAYTHROID XL	0.033 lb ai/a	A		4.17	1362.7	777.75	281.17	36.09	424.30
1 MATCH HEAD SQUARE		A							
3 BIDRIN	0.4 lb ai/a	A		4.95	1617.4	836.67	325.67	39.24	643.09
1 MATCH HEAD SQUARE		A							
4 CENTRIC	0.047 lb ai/a	A		5.44	1776.9	897.58	336.25	37.38	663.78
1 MATCH HEAD SQUARE		A							
5 DIMETHOATE	0.25 lb ai/a	A		4.99	1629.4	799.67	317.17	39.62	646.07
1 MATCH HEAD SQUARE		A							
6 DIAMOND	9 oz/a	A		5.86	1913.5	814.17	301.83	37.10	712.86
1 MATCH HEAD SQUARE		A							
7 CARBINE	0.088 lb ai/a	A		5.80	1895.0	936.33	350.17	37.38	706.85
1 MATCH HEAD SQUARE		A							
8 ZEPHYR	5 oz/a	A		5.05	1650.1	952.00	364.00	38.14	629.69
1 MATCH HEAD SQUARE		A							
9 OBERON	5 oz/a	A		5.20	1696.9	891.33	348.17	39.14	668.67
1 MATCH HEAD SQUARE		A							
10 VYDATE C-LV	0.4 lb ai/a	A		5.37	1752.4	932.75	353.83	38.02	643.55
1 MATCH HEAD SQUARE		A							
1 ACEPHATE	0.5 lb ai/a	A		4.84	1581.5	924.58	362.58	38.88	563.01
2 FIRST FLOWER		B							
2 BAYTHROID XL	0.033 lb ai/a	A		4.39	1433.5	779.17	318.83	40.59	589.92
2 FIRST FLOWER		B							
3 BIDRIN	0.4 lb ai/a	A		4.52	1475.9	974.67	384.17	39.51	587.08
2 FIRST FLOWER		B							
4 CENTRIC	0.047 lb ai/a	A		3.95	1288.7	775.00	304.00	39.64	505.72
2 FIRST FLOWER		B							
5 DIMETHOATE	0.25 lb ai/a	A		5.08	1657.7	968.17	366.00	37.76	626.17
2 FIRST FLOWER		B							
6 DIAMOND	9 oz/a	A		6.14	2004.9	896.00	354.00	39.53	791.94
2 FIRST FLOWER		B							
7 CARBINE	0.088 lb ai/a	A		4.61	1506.4	861.50	353.67	40.68	609.63
2 FIRST FLOWER		B							
8 ZEPHYR	5 oz/a	A		5.17	1688.2	873.17	331.67	37.97	646.74
2 FIRST FLOWER		B							
9 OBERON	5 oz/a	A		5.50	1794.9	809.17	325.83	40.65	729.33
2 FIRST FLOWER		B							
10 VYDATE C-LV	0.4 lb ai/a	A		5.70	1862.3	885.08	366.75	41.22	768.72
2 FIRST FLOWER		B							

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Crop Code	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI
Part Rated						
Rating Data Type	YIELD	YIELD	SEEDCOTTON	LINT	FRACTION	LINT YIELD
Rating Unit	LB	LB/A	GRAMS	GRAMS	%	LB/A
Rating Date	15/Oct/2008	15/Oct/2008	17/Oct/2008	17/Oct/2008	17/Oct/2008	7/Nov/2008

Trt-Eval Interval						
ARM Action Codes		TY1			T2	T3
# Subsamples, Dec.		1				

No.	Name	Rate	Unit	Appl Code	10	11	12	13	14	15
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TABLE OF ABC MEANS

1	IGNITE	29 oz/a	A		4.41	1441.1	876.00	358.67	40.72	598.61
1	ACEPHATE	0.5 lb ai/a	A							
1	MATCH HEAD SQUARE		A							
2	IGNITE	29 oz/a	A		5.80	1893.9	977.67	334.33	34.12	645.22
2	STANCE	3 oz/a	A							
1	ACEPHATE	0.5 lb ai/a	A							
1	MATCH HEAD SQUARE		A							
1	IGNITE	29 oz/a	A		3.31	1081.9	737.50	265.00	35.83	250.97
2	BAYTHROID XL	0.033 lb ai/a	A							
1	MATCH HEAD SQUARE		A							
2	IGNITE	29 oz/a	A		5.03	1643.6	818.00	297.33	36.35	597.63
2	STANCE	3 oz/a	A							
2	BAYTHROID XL	0.033 lb ai/a	A							
1	MATCH HEAD SQUARE		A							
1	IGNITE	29 oz/a	A		5.03	1643.6	766.00	304.00	40.05	666.85
3	BIDRIN	0.4 lb ai/a	A							
1	MATCH HEAD SQUARE		A							
2	IGNITE	29 oz/a	A		4.87	1591.3	907.33	347.33	38.43	619.32
2	STANCE	3 oz/a	A							
3	BIDRIN	0.4 lb ai/a	A							
1	MATCH HEAD SQUARE		A							
1	IGNITE	29 oz/a	A		5.85	1910.2	915.50	342.50	37.41	714.55
4	CENTRIC	0.047 lb ai/a	A							
1	MATCH HEAD SQUARE		A							
2	IGNITE	29 oz/a	A		5.03	1643.6	879.67	330.00	37.35	613.01
2	STANCE	3 oz/a	A							
4	CENTRIC	0.047 lb ai/a	A							
1	MATCH HEAD SQUARE		A							
1	IGNITE	29 oz/a	A		5.67	1850.4	821.67	321.67	39.26	722.07
5	DIMETHOATE	0.25 lb ai/a	A							
1	MATCH HEAD SQUARE		A							
2	IGNITE	29 oz/a	A		4.31	1408.5	777.67	312.67	39.98	570.08
2	STANCE	3 oz/a	A							
5	DIMETHOATE	0.25 lb ai/a	A							
1	MATCH HEAD SQUARE		A							
1	IGNITE	29 oz/a	A		5.82	1900.4	805.67	303.67	37.69	717.05
6	DIAMOND	9 oz/a	A							
1	MATCH HEAD SQUARE		A							
2	IGNITE	29 oz/a	A		5.90	1926.6	822.67	300.00	36.52	708.68
2	STANCE	3 oz/a	A							
6	DIAMOND	9 oz/a	A							
1	MATCH HEAD SQUARE		A							
1	IGNITE	29 oz/a	A		4.47	1460.7	916.33	346.33	37.81	552.53
7	CARBINE	0.088 lb ai/a	A							
1	MATCH HEAD SQUARE		A							
2	IGNITE	29 oz/a	A		7.13	2329.3	956.33	354.00	36.96	861.18
2	STANCE	3 oz/a	A							
7	CARBINE	0.088 lb ai/a	A							
1	MATCH HEAD SQUARE		A							
1	IGNITE	29 oz/a	A		5.47	1785.1	971.00	373.00	38.43	684.79
8	ZEPHYR	5 oz/a	A							
1	MATCH HEAD SQUARE		A							
2	IGNITE	29 oz/a	A		4.64	1515.1	933.00	355.00	37.86	574.59
2	STANCE	3 oz/a	A							
8	ZEPHYR	5 oz/a	A							
1	MATCH HEAD SQUARE		A							
1	IGNITE	29 oz/a	A		4.57	1491.2	843.67	323.67	38.66	591.77
9	OBERON	5 oz/a	A							
1	MATCH HEAD SQUARE		A							
2	IGNITE	29 oz/a	A		5.83	1902.6	939.00	372.67	39.62	745.56
2	STANCE	3 oz/a	A							
9	OBERON	5 oz/a	A							
1	MATCH HEAD SQUARE		A							
1	IGNITE	29 oz/a	A		4.77	1556.5	1000.50	365.00	36.58	521.93
10	VYDATE C-LV	0.4 lb ai/a	A							
1	MATCH HEAD SQUARE		A							

LSU Northeast Research Station

Crop Code			GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	
Part Rated									
Rating Data Type			YIELD	YIELD	SEEDCOTTON	LINT	FRACTION	LINT YIELD	
Rating Unit			LB	LB/A	GRAMS	GRAMS	%	LB/A	
Rating Date			15/Oct/2008	15/Oct/2008	17/Oct/2008	17/Oct/2008	17/Oct/2008	7/Nov/2008	
Trt-Eval Interval									
ARM Action Codes				TY1			T2	T3	
# Subsamples, Dec.				1					
Trt Treatment									
No. Name	Rate	Rate Unit	Appl Code	10	11	12	13	14	15
2 IGNITE	29 oz/a	A		5.97	1948.3	865.00	342.67	39.47	765.16
2 STANCE	3 oz/a	A							
10 VYDATE C-LV	0.4 lb ai/a	A							
1 MATCH HEAD SQUARE		A							
1 IGNITE	29 oz/a	A		4.41	1441.1	922.50	383.50	40.89	492.19
1 ACEPHATE	0.5 lb ai/a	A							
2 FIRST FLOWER		B							
2 IGNITE	29 oz/a	A		5.27	1721.9	926.67	341.67	36.86	633.82
2 STANCE	3 oz/a	A							
1 ACEPHATE	0.5 lb ai/a	A							
2 FIRST FLOWER		B							
1 IGNITE	29 oz/a	A		3.45	1125.5	721.33	267.67	37.03	417.72
2 BAYTHROID XL	0.033 lb ai/a	A							
2 FIRST FLOWER		B							
2 IGNITE	29 oz/a	A		5.33	1741.5	837.00	370.00	44.15	762.13
2 STANCE	3 oz/a	A							
2 BAYTHROID XL	0.033 lb ai/a	A							
2 FIRST FLOWER		B							
1 IGNITE	29 oz/a	A		4.53	1480.3	942.33	386.33	41.04	608.09
3 BIDRIN	0.4 lb ai/a	A							
2 FIRST FLOWER		B							
2 IGNITE	29 oz/a	A		4.51	1471.6	1007.00	382.00	37.98	566.06
2 STANCE	3 oz/a	A							
3 BIDRIN	0.4 lb ai/a	A							
2 FIRST FLOWER		B							
1 IGNITE	29 oz/a	A		3.66	1195.1	810.67	303.33	37.42	446.93
4 CENTRIC	0.047 lb ai/a	A							
2 FIRST FLOWER		B							
2 IGNITE	29 oz/a	A		4.23	1382.3	739.33	304.67	41.86	564.50
2 STANCE	3 oz/a	A							
4 CENTRIC	0.047 lb ai/a	A							
2 FIRST FLOWER		B							
1 IGNITE	29 oz/a	A		4.61	1504.2	1046.00	399.67	38.19	576.20
5 DIMETHOATE	0.25 lb ai/a	A							
2 FIRST FLOWER		B							
2 IGNITE	29 oz/a	A		5.55	1811.2	890.33	332.33	37.34	676.13
2 STANCE	3 oz/a	A							
5 DIMETHOATE	0.25 lb ai/a	A							
2 FIRST FLOWER		B							
1 IGNITE	29 oz/a	A		6.37	2079.0	842.67	332.33	39.56	816.30
6 DIAMOND	9 oz/a	A							
2 FIRST FLOWER		B							
2 IGNITE	29 oz/a	A		5.91	1930.9	949.33	375.67	39.49	767.57
2 STANCE	3 oz/a	A							
6 DIAMOND	9 oz/a	A							
2 FIRST FLOWER		B							
1 IGNITE	29 oz/a	A		5.40	1763.3	838.67	334.00	39.60	698.21
7 CARBINE	0.088 lb ai/a	A							
2 FIRST FLOWER		B							
2 IGNITE	29 oz/a	A		3.83	1249.5	884.33	373.33	41.75	521.05
2 STANCE	3 oz/a	A							
7 CARBINE	0.088 lb ai/a	A							
2 FIRST FLOWER		B							
1 IGNITE	29 oz/a	A		4.71	1539.1	905.00	336.00	37.14	575.62
8 ZEPHYR	5 oz/a	A							
2 FIRST FLOWER		B							
2 IGNITE	29 oz/a	A		5.63	1837.3	841.33	327.33	38.79	717.86
2 STANCE	3 oz/a	A							
8 ZEPHYR	5 oz/a	A							
2 FIRST FLOWER		B							
1 IGNITE	29 oz/a	A		6.00	1959.2	702.00	292.33	41.79	821.10
9 OBERON	5 oz/a	A							
2 FIRST FLOWER		B							
2 IGNITE	29 oz/a	A		4.99	1630.5	916.33	359.33	39.52	637.56
2 STANCE	3 oz/a	A							
9 OBERON	5 oz/a	A							
2 FIRST FLOWER		B							
1 IGNITE	29 oz/a	A		5.11	1667.5	790.67	327.00	40.95	683.99
10 VYDATE C-LV	0.4 lb ai/a	A							
2 FIRST FLOWER		B							

LSU Northeast Research Station

Crop Code	GOSHI		GOSHI		GOSHI		GOSHI		GOSHI	
Part Rated									LINT	
Rating Data Type	YIELD		YIELD		SEEDCOTTON		LINT		FRACTION	
Rating Unit	LB		LB/A		GRAMS		GRAMS		%	
Rating Date	15/Oct/2008		15/Oct/2008		17/Oct/2008		17/Oct/2008		17/Oct/2008	
Trt-Eval Interval			TY1				T2		T3	
ARM Action Codes			1							
# Subsamples, Dec.										
Trt Treatment										
No. Name	Rate	Unit	Appl Code	10	11	12	13	14	15	
2 IGNITE	29	oz/a	A	6.30	2057.2	979.50	406.50	41.49	853.45	
2 STANCE	3	oz/a	A							
10 VYDATE C-LV	0.4	lb ai/a	A							
2 FIRST FLOWER			B							

FACTORIAL/POOLED ERROR AOV For GOSHI YIELD LB 15/Oct/2008

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	213.140899				
R	2	0.274335	0.137168	0.082	0.9216	0.58
A	1	5.363642	5.363642	3.196	0.0777	0.41
B	9	24.693505	2.743723	1.635	0.1199	0.92
AB	9	13.716665	1.524074	0.908	0.5226	1.30
C	1	1.254605	1.254605	0.748	0.3899	0.41
AC	1	0.254841	0.254841	0.152	0.6978	0.58
BC	9	11.519573	1.279953	0.763	0.6508	1.30
ABC	9	25.159197	2.795466	1.666	0.1117	1.83
ERROR	78	130.904535	1.678263			

FACTORIAL/POOLED ERROR AOV For GOSHI YIELD LB/A 15/Oct/2008 TY1 1

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	22726409.487736				
R	2	29251.342393	14625.671197	0.082	0.9216	189.2
A	1	571904.628001	571904.628001	3.196	0.0777	133.8
B	9	2632975.996891	292552.888543	1.635	0.1199	299.1
AB	9	1462556.151977	162506.239109	0.908	0.5226	423.0
C	1	133773.800672	133773.800672	0.748	0.3899	133.8
AC	1	27172.746130	27172.746130	0.152	0.6978	189.2
BC	9	1228288.221833	136476.469093	0.763	0.6508	423.0
ABC	9	2682630.270230	298070.030026	1.666	0.1117	598.2
ERROR	78	13957856.329607	178946.876021			

FACTORIAL/POOLED ERROR AOV For GOSHI SEEDCOTTON GRAMS 17/Oct/2008

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	2143497.997917				
R	2	39246.704167	19623.352083	1.190	0.3097	57.43
A	1	33852.002083	33852.002083	2.053	0.1559	40.61
B	9	222607.810417	24734.201157	1.500	0.1629	90.81
AB	9	172529.810417	19169.978935	1.162	0.3308	128.42
C	1	103.602083	103.602083	0.006	0.9370	40.61
AC	1	3859.002083	3859.002083	0.234	0.6299	57.43
BC	9	269911.043750	29990.115972	1.818	0.0780	128.42
ABC	9	114966.893750	12774.099306	0.775	0.6402	181.62
ERROR	78	1286421.129167	16492.578579			

FACTORIAL/POOLED ERROR AOV For GOSHI LINT GRAMS 17/Oct/2008

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	425139.731250				
R	2	13095.037500	6547.518750	1.840	0.1656	26.68
A	1	4807.002083	4807.002083	1.351	0.2486	18.86
B	9	38401.377083	4266.819676	1.199	0.3077	42.18
AB	9	33595.393750	3732.821528	1.049	0.4097	59.65
C	1	6113.268750	6113.268750	1.718	0.1938	18.86
AC	1	2121.002083	2121.002083	0.596	0.4424	26.68
BC	9	32794.127083	3643.791898	1.024	0.4286	59.65
ABC	9	16678.060417	1853.117824	0.521	0.8553	84.36
ERROR	78	277534.462500	3558.134135			

FACTORIAL/POOLED ERROR AOV For GOSHI LINT FRACTION % 17/Oct/2008 T2

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	1459.400684				
R	2	38.649903	19.324951	1.600	0.2085	1.55
A	1	0.001807	0.001807	0.000	0.9903	1.10
B	9	45.387399	5.043044	0.418	0.9221	2.46
AB	9	172.729233	19.192137	1.589	0.1332	3.48
C	1	85.540136	85.540136	7.082	0.0095	1.10
AC	1	9.765650	9.765650	0.808	0.3713	1.55
BC	9	95.334869	10.592763	0.877	0.5494	3.48
ABC	9	69.850715	7.761191	0.643	0.7573	4.92
ERROR	78	942.140972	12.078730			

FACTORIAL/POOLED ERROR AOV For GOSHI LINT YIELD LB/A 7/Nov/2008 T3

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	4051693.619645				
R	2	11295.761965	5647.880983	0.193	0.8247	76.45
A	1	115899.933824	115899.933824	3.966	0.0499	54.06
B	9	533050.043311	59227.782590	2.027	0.0471	120.88
AB	9	421683.706323	46853.745147	1.603	0.1290	170.96
C	1	990.662480	990.662480	0.034	0.8544	54.06
AC	1	1000.159607	1000.159607	0.034	0.8537	76.45
BC	9	283302.696662	31478.077407	1.077	0.3891	170.96
ABC	9	404857.830387	44984.203376	1.539	0.1491	241.77
ERROR	78	2279612.825086	29225.805450			

Column 11: TY1 = 326.5367*[10]