

# 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: ALEXANDRIA, LA  
Crop 1: GOSHI/COTTON  
Variety: FM1735LL  
Planting Date: 7/May/2008

### SITE AND DESIGN

Plot Width, Unit: 6.67 FT  
Plot Length, Unit: 40 FT  
Reps: 4  
Study Design: FACTORIAL

### SOIL DESCRIPTION

% Sand: 14      % OM: 1.78  
% Silt: 54      pH: 7.8  
% Clay: 32      CEC: 14.4  
Texture: SILT LOAM

### APPLICATION DESCRIPTION

	A	B
Application Date:	19/Jun/2008	10/Jul/2008
Time of Day:	1:00 PM	2:00 PM
Application Method:	SPRAY	SPRAY
Application Timing:	LAPOCR	POSTBL
Applic. Placement:	BROFOL	BROFOL
Air Temp., Unit:	93 f	82 F
% Relative Humidity:	38	74
Wind Velocity, Unit:	1.4 MPH	9 MPH
Dew Presence (Y/N):	N	N
Water Hardness:	N	N
Soil Temp., Unit:	99 F	96 F
Soil Moisture:	DRY	DRY
% Cloud Cover:	30	100

### CROP STAGE AT EACH APPLICATION

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

### APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	TRACTOR	TRACTOR
Operating Pressure:	30 PSI	30 PSI
Nozzle Type:	FF	FF
Nozzle Size:	11003	11003
Nozzle Spacing, Unit:	20 "	20 "
Ground Speed, Unit:	3.2 MPH	3.2 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	15 GPA	15 GPA









# LSU Northeast Research Station

Crop Code	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI		
Part Rated												
Rating Data Type	INJURY	INJURY	AVG CROP HT	INJURY	AVG CROP HT	INJURY	AVG CROP HT	INJURY	AVG CROP HT	INJURY		
Rating Unit	%	%	CM	%	CM	%	CM	%	CM	%		
Rating Date	26/Jun/2008	3/Jul/2008	3/Jul/2008	17/Jul/2008	17/Jul/2008	24/Jul/2008	24/Jul/2008	7/Aug/2008	7/Aug/2008	7/Aug/2008		
Trt-Eval Interval	7 DA-A	14 DA-A	14 DA-A	28 DA-A	28 DA-A	14 DA-B	14 DA-B	28 DA-B	28 DA-B	28 DA-B		
ARM Action Codes												
# Subsamples, Dec.												
Trt Treatment												
No. Name	Rate	Unit	Appl Code	1	2	3	4	5	6	7	8	9
1 IGNITE	29 oz/a		A				0.00	101.70	0.00	96.53	0.00	101.10
10 VYDATE C-LV	0.4 lb ai/a		A									
2 FIRST FLOWER			B									
2 IGNITE	29 oz/a		A				0.00	100.70	0.00	101.23	0.00	102.63
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 INJURY % 26/Jun/2008 7 DA-A

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	1457.991667				
R	2	0.066667	0.033333	0.115	0.8915	0.24
A	1	66.008333	66.008333	227.816	0.0001	0.17
B	9	295.075000	32.786111	113.156	0.0001	0.38
AB	9	314.075000	34.897222	120.442	0.0001	0.54
C	1	85.008333	85.008333	293.392	0.0001	0.17
AC	1	66.008333	66.008333	227.816	0.0001	0.24
BC	9	295.075000	32.786111	113.156	0.0001	0.54
ABC	9	314.075000	34.897222	120.442	0.0001	0.76
ERROR	78	22.600000	0.289744			

FACTORIAL/POOLED ERROR AOV For GOSHI INJURY % 3/Jul/2008 14 DA-A

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	737.325000				
R	2	3.750000	1.875000	0.924	0.4012	0.64
A	1	21.675000	21.675000	10.683	0.0016	0.45
B	9	114.075000	12.675000	6.247	0.0001	1.01
AB	9	132.075000	14.675000	7.233	0.0001	1.42
C	1	39.675000	39.675000	19.555	0.0001	0.45
AC	1	21.675000	21.675000	10.683	0.0016	0.64
BC	9	114.075000	12.675000	6.247	0.0001	1.42
ABC	9	132.075000	14.675000	7.233	0.0001	2.01
ERROR	78	158.250000	2.028846			

FACTORIAL/POOLED ERROR AOV For GOSHI AVG CROP HT CM 3/Jul/2008 14 DA-A

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	181127.013615				
R	2	614.390327	307.195164	22.769	0.0001	1.64
A	1	418.506659	418.506659	31.019	0.0001	1.16
B	9	126.486411	14.054046	1.042	0.4152	2.60
AB	9	45.956998	5.106333	0.378	0.9421	3.67
C	1	178278.356668	178278.356668	13213.755	0.0001	1.16
AC	1	418.506659	418.506659	31.019	0.0001	1.64
BC	9	126.486411	14.054046	1.042	0.4152	3.67
ABC	9	45.956998	5.106333	0.378	0.9421	5.19
ERROR	78	1052.366483	13.491878			

FACTORIAL/POOLED ERROR AOV For GOSHI INJURY % 17/Jul/2008 28 DA-A 7 DA-B

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	26.325000				
R	2	0.450000	0.225000	1.000	0.3725	0.21
A	1	0.075000	0.075000	0.333	0.5654	0.15
B	9	1.575000	0.175000	0.778	0.6372	0.34
AB	9	2.175000	0.241667	1.074	0.3913	0.47
C	1	0.075000	0.075000	0.333	0.5654	0.15
AC	1	0.075000	0.075000	0.333	0.5654	0.21
BC	9	2.175000	0.241667	1.074	0.3913	0.47
ABC	9	2.175000	0.241667	1.074	0.3913	0.67
ERROR	78	17.550000	0.225000			

FACTORIAL/POOLED ERROR AOV For GOSHI AVG CROP HT CM 17/Jul/2008 28 DA-A 7 DA-B

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	9717.709041				
R	2	4257.627591	2128.813796	95.365	0.0001	2.11
A	1	675.925638	675.925638	30.279	0.0001	1.49
B	9	317.061667	35.229074	1.578	0.1365	3.34
AB	9	215.847716	23.983080	1.074	0.3911	4.72
C	1	1377.693686	1377.693686	61.717	0.0001	1.49
AC	1	849.071821	849.071821	38.036	0.0001	2.11
BC	9	159.633500	17.737056	0.795	0.6222	4.72
ABC	9	123.661151	13.740128	0.616	0.7804	6.68
ERROR	78	1741.186271	22.322901			

FACTORIAL/POOLED ERROR AOV For GOSHI INJURY % 24/Jul/2008 14 DA-B						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	8.925000				
R	2	0.150000	0.075000	1.000	0.3725	0.12
A	1	0.075000	0.075000	1.000	0.3204	0.09
B	9	0.675000	0.075000	1.000	0.4473	0.19
AB	9	0.675000	0.075000	1.000	0.4473	0.27
C	1	0.075000	0.075000	1.000	0.3204	0.09
AC	1	0.075000	0.075000	1.000	0.3204	0.12
BC	9	0.675000	0.075000	1.000	0.4473	0.27
ABC	9	0.675000	0.075000	1.000	0.4473	0.39
ERROR	78	5.850000	0.075000			

FACTORIAL/POOLED ERROR AOV For GOSHI AVG CROP HT CM 24/Jul/2008 14 DA-B						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	301974.466773				
R	2	1185.089982	592.544991	18.463	0.0001	2.53
A	1	1.610103	1.610103	0.050	0.8234	1.79
B	9	262.060288	29.117810	0.907	0.5233	4.01
AB	9	111.857624	12.428625	0.387	0.9379	5.67
C	1	297535.064632	297535.064632	9271.019	0.0001	1.79
AC	1	1.610103	1.610103	0.050	0.8234	2.53
BC	9	262.060288	29.117810	0.907	0.5233	5.67
ABC	9	111.857624	12.428625	0.387	0.9379	8.01
ERROR	78	2503.256127	32.093027			

FACTORIAL/POOLED ERROR AOV For GOSHI INJURY % 7/Aug/2008 28 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 7/Aug/2008 28 DA-B						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	304331.619962				
R	2	1466.328807	733.164403	22.773	0.0001	2.54
A	1	11.594057	11.594057	0.360	0.5502	1.79
B	9	217.933784	24.214865	0.752	0.6603	4.01
AB	9	112.469979	12.496664	0.388	0.9375	5.67
C	1	299670.110271	299670.110271	9308.063	0.0001	1.79
AC	1	11.594057	11.594057	0.360	0.5502	2.54
BC	9	217.933784	24.214865	0.752	0.6603	5.67
ABC	9	112.469979	12.496664	0.388	0.9375	8.02
ERROR	78	2511.185246	32.194683			

# 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	26/Sep/2008	26/Sep/2008	4/Nov/2008	4/Nov/2008	4/Nov/2008	7/Nov/2008

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

Trt Treatment	Rate	Unit	Appl Code			
No. Name				10	11	12

## TABLE OF R MEANS

Replicate 1				9.03	1474.0	394.63	149.98	37.85	557.13
Replicate 2				9.14	1491.6	434.00	166.08	38.32	566.69
Replicate 3				7.90	1289.7	403.50	150.84	37.40	482.50
Replicate 4									

## TABLE OF A MEANS

1 IGNITE	29 oz/a	A		9.58	1564.5	408.38	155.60	38.06	594.57
2 IGNITE	29 oz/a	A		7.79	1272.4	413.03	155.66	37.65	476.31
2 STANCE	3 oz/a	A							

## TABLE OF B MEANS

1 ACEPHATE	0.5 lb ai/a	A		8.95	1461.5	357.33	135.08	37.78	552.83
2 BAYTHROID XL	0.033 lb ai/a	A		9.83	1605.3	426.33	160.92	37.73	602.63
3 BIDRIN	0.4 lb ai/a	A		8.85	1445.6	455.00	169.42	37.10	537.44
4 CENTRIC	0.047 lb ai/a	A		8.46	1381.5	424.92	160.17	37.71	522.92
5 DIMETHOATE	0.25 lb ai/a	A		7.84	1279.2	396.58	150.42	37.83	484.23
6 DIAMOND	9 oz/a	A		9.04	1476.5	356.25	134.42	37.52	556.47
7 CARBINE	0.088 lb ai/a	A		8.76	1429.4	429.50	164.17	38.67	541.34
8 ZEPHYR	5 oz/a	A		8.86	1447.1	461.75	176.25	38.13	552.28
9 OBERON	5 oz/a	A		8.76	1430.9	382.25	144.92	37.69	540.38
10 VYDATE C-LV	0.4 lb ai/a	A		7.52	1227.2	417.17	160.54	38.42	463.89

## TABLE OF C MEANS

1 MATCH HEAD SQUARE		A		8.40	1372.0	415.90	156.57	37.62	515.34
2 FIRST FLOWER		B		8.97	1464.9	405.52	154.69	38.10	555.54

## TABLE OF AB MEANS

1 IGNITE	29 oz/a	A		9.53	1556.2	339.83	129.17	38.08	590.45
1 ACEPHATE	0.5 lb ai/a	A							
2 IGNITE	29 oz/a	A		8.37	1366.8	374.83	141.00	37.48	515.21
2 STANCE	3 oz/a	A							
1 ACEPHATE	0.5 lb ai/a	A							
1 IGNITE	29 oz/a	A		11.68	1906.2	392.83	150.17	38.04	717.63
2 BAYTHROID XL	0.033 lb ai/a	A							
2 IGNITE	29 oz/a	A		7.99	1304.5	459.83	171.67	37.43	487.63
2 STANCE	3 oz/a	A							
2 BAYTHROID XL	0.033 lb ai/a	A							
1 IGNITE	29 oz/a	A		10.10	1649.0	396.67	141.67	35.96	598.44
3 BIDRIN	0.4 lb ai/a	A							
2 IGNITE	29 oz/a	A		7.61	1242.2	513.33	197.17	38.24	476.44
2 STANCE	3 oz/a	A							
3 BIDRIN	0.4 lb ai/a	A							
1 IGNITE	29 oz/a	A		9.31	1519.2	402.00	154.00	38.21	580.55
4 CENTRIC	0.047 lb ai/a	A							
2 IGNITE	29 oz/a	A		7.62	1243.8	447.83	166.33	37.21	465.28
2 STANCE	3 oz/a	A							
4 CENTRIC	0.047 lb ai/a	A							
1 IGNITE	29 oz/a	A		8.17	1333.4	363.83	138.67	37.95	504.87
5 DIMETHOATE	0.25 lb ai/a	A							
2 IGNITE	29 oz/a	A		7.50	1225.1	429.33	162.17	37.71	463.58
2 STANCE	3 oz/a	A							
5 DIMETHOATE	0.25 lb ai/a	A							
1 IGNITE	29 oz/a	A		9.99	1630.8	404.33	155.33	38.43	626.66
6 DIAMOND	9 oz/a	A							
2 IGNITE	29 oz/a	A		8.10	1322.2	308.17	113.50	36.62	486.28
2 STANCE	3 oz/a	A							
6 DIAMOND	9 oz/a	A							
1 IGNITE	29 oz/a	A		9.89	1614.7	432.67	163.50	37.91	608.02
7 CARBINE	0.088 lb ai/a	A							
2 IGNITE	29 oz/a	A		7.62	1244.1	426.33	164.83	39.43	474.66
2 STANCE	3 oz/a	A							
7 CARBINE	0.088 lb ai/a	A							
1 IGNITE	29 oz/a	A		9.67	1578.3	474.83	183.00	38.51	609.17
8 ZEPHYR	5 oz/a	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	26/Sep/2008	26/Sep/2008	4/Nov/2008	4/Nov/2008	4/Nov/2008	7/Nov/2008
Trt-Eval Interval						
ARM Action Codes		TY1				T2
# Subsamples, Dec.		1				

Trt No.	Treatment Name	Rate	Unit	Appl Code	10	11	12	13	14	15
2	IGNITE	29 oz/a	A		8.06	1315.9	448.67	169.50	37.75	495.38
2	STANCE	3 oz/a	A							
8	ZEPHYR	5 oz/a	A							
1	IGNITE	29 oz/a	A		9.26	1511.9	413.50	159.50	38.46	584.21
9	OBERON	5 oz/a	A							
2	IGNITE	29 oz/a	A		8.27	1350.0	351.00	130.33	36.91	496.55
2	STANCE	3 oz/a	A							
9	OBERON	5 oz/a	A							
1	IGNITE	29 oz/a	A		8.24	1345.1	463.33	181.00	39.08	525.68
10	VYDATE C-LV	0.4 lb ai/a	A							
2	IGNITE	29 oz/a	A		6.80	1109.4	371.00	140.08	37.76	402.10
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		9.54	1558.3	413.73	158.00	38.17	594.06
1	MATCH HEAD SQUARE		A							
2	IGNITE	29 oz/a	A		7.26	1185.7	418.07	155.13	37.07	436.63
2	STANCE	3 oz/a	A							
1	MATCH HEAD SQUARE		A							
1	IGNITE	29 oz/a	A		9.62	1570.6	403.03	153.20	37.95	595.08
2	FIRST FLOWER		B							
2	IGNITE	29 oz/a	A		8.32	1359.2	408.00	156.18	38.24	515.99
2	STANCE	3 oz/a	A							
2	FIRST FLOWER		B							

**TABLE OF BC MEANS**

1	ACEPHATE	0.5 lb ai/a	A		6.52	1064.8	357.67	133.83	37.40	398.27
1	MATCH HEAD SQUARE		A							
2	BAYTHROID XL	0.033 lb ai/a	A		10.82	1766.8	427.83	157.83	37.00	656.56
1	MATCH HEAD SQUARE		A							
3	BIDRIN	0.4 lb ai/a	A		9.53	1555.4	455.17	173.83	37.90	589.68
1	MATCH HEAD SQUARE		A							
4	CENTRIC	0.047 lb ai/a	A		7.69	1255.0	443.17	164.00	37.09	467.34
1	MATCH HEAD SQUARE		A							
5	DIMETHOATE	0.25 lb ai/a	A		7.82	1276.2	404.00	152.33	37.67	483.90
1	MATCH HEAD SQUARE		A							
6	DIAMOND	9 oz/a	A		8.18	1334.7	338.50	124.67	36.56	491.98
1	MATCH HEAD SQUARE		A							
7	CARBINE	0.088 lb ai/a	A		7.02	1146.4	440.33	170.00	39.43	435.52
1	MATCH HEAD SQUARE		A							
8	ZEPHYR	5 oz/a	A		7.79	1271.6	466.50	177.50	38.03	483.55
1	MATCH HEAD SQUARE		A							
9	OBERON	5 oz/a	A		10.01	1633.8	391.17	146.33	37.32	611.80
1	MATCH HEAD SQUARE		A							
10	VYDATE C-LV	0.4 lb ai/a	A		8.67	1415.3	434.67	165.33	37.79	534.83
1	MATCH HEAD SQUARE		A							
1	ACEPHATE	0.5 lb ai/a	A		11.38	1858.3	357.00	136.33	38.16	707.39
2	FIRST FLOWER		B							
2	BAYTHROID XL	0.033 lb ai/a	A		8.84	1443.8	424.83	164.00	38.46	548.70
2	FIRST FLOWER		B							
3	BIDRIN	0.4 lb ai/a	A		8.18	1335.8	454.83	165.00	36.30	485.20
2	FIRST FLOWER		B							
4	CENTRIC	0.047 lb ai/a	A		9.24	1508.1	406.67	156.33	38.32	578.50
2	FIRST FLOWER		B							
5	DIMETHOATE	0.25 lb ai/a	A		7.85	1282.2	389.17	148.50	37.98	484.55
2	FIRST FLOWER		B							
6	DIAMOND	9 oz/a	A		9.91	1618.3	374.00	144.17	38.49	620.96
2	FIRST FLOWER		B							
7	CARBINE	0.088 lb ai/a	A		10.49	1712.4	418.67	158.33	37.91	647.15
2	FIRST FLOWER		B							
8	ZEPHYR	5 oz/a	A		9.94	1622.6	457.00	175.00	38.23	621.00
2	FIRST FLOWER		B							
9	OBERON	5 oz/a	A		7.52	1228.1	373.33	143.50	38.06	468.96
2	FIRST FLOWER		B							
10	VYDATE C-LV	0.4 lb ai/a	A		6.37	1039.2	399.67	155.75	39.05	392.95
2	FIRST FLOWER		B							

# 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		26/Sep/2008	26/Sep/2008	4/Nov/2008	4/Nov/2008	4/Nov/2008	7/Nov/2008		
Trt-Eval Interval									
ARM Action Codes			TY1				T2		
# Subsamples, Dec.			1						
Trt Treatment									
No. Name	Rate	Unit	Appl Code	10	11	12	13	14	15

## TABLE OF ABC MEANS

1 IGNITE	29 oz/a	A		7.36	1201.7	329.33	124.33	37.95	453.11
1 ACEPHATE	0.5 lb ai/a	A							
1 MATCH HEAD SQUARE		A							
2 IGNITE	29 oz/a	A		5.68	927.9	386.00	143.33	36.85	343.43
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		13.31	2173.6	385.33	145.67	37.81	821.57
2 BAYTHROID XL	0.033 lb ai/a	A							
1 MATCH HEAD SQUARE		A							
2 IGNITE	29 oz/a	A		8.33	1360.0	470.33	170.00	36.20	491.55
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		11.02	1799.2	411.33	156.33	37.84	676.79
3 BIDRIN	0.4 lb ai/a	A							
1 MATCH HEAD SQUARE		A							
2 IGNITE	29 oz/a	A		8.03	1311.6	499.00	191.33	37.97	502.58
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		8.67	1415.5	389.00	148.00	38.04	538.59
4 CENTRIC	0.047 lb ai/a	A							
1 MATCH HEAD SQUARE		A							
2 IGNITE	29 oz/a	A		6.70	1094.4	497.33	180.00	36.14	396.08
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		8.10	1323.0	393.67	150.67	38.21	507.95
5 DIMETHOATE	0.25 lb ai/a	A							
1 MATCH HEAD SQUARE		A							
2 IGNITE	29 oz/a	A		7.53	1229.4	414.33	154.00	37.13	459.85
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		9.36	1528.2	382.33	145.67	38.13	583.93
6 DIAMOND	9 oz/a	A							
1 MATCH HEAD SQUARE		A							
2 IGNITE	29 oz/a	A		6.99	1141.2	294.67	103.67	34.99	400.03
2 STANCE	3 oz/a	A							
6 DIAMOND	9 oz/a	A							
1 MATCH HEAD SQUARE		A							
1 IGNITE	29 oz/a	A		8.66	1413.9	493.33	186.00	37.87	529.43
7 CARBINE	0.088 lb ai/a	A							
1 MATCH HEAD SQUARE		A							
2 IGNITE	29 oz/a	A		5.38	878.9	387.33	154.00	40.98	341.62
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		8.55	1395.4	460.67	177.33	38.47	536.42
8 ZEPHYR	5 oz/a	A							
1 MATCH HEAD SQUARE		A							
2 IGNITE	29 oz/a	A		7.03	1147.8	472.33	177.67	37.59	430.69
2 STANCE	3 oz/a	A							
8 ZEPHYR	5 oz/a	A							
1 MATCH HEAD SQUARE		A							
1 IGNITE	29 oz/a	A		11.12	1816.1	405.00	155.00	38.21	698.58
9 OBERON	5 oz/a	A							
1 MATCH HEAD SQUARE		A							
2 IGNITE	29 oz/a	A		8.89	1451.5	377.33	137.67	36.43	525.01
2 STANCE	3 oz/a	A							
9 OBERON	5 oz/a	A							
1 MATCH HEAD SQUARE		A							
1 IGNITE	29 oz/a	A		9.29	1516.8	487.33	191.00	39.18	594.23
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			26/Sep/2008	26/Sep/2008	4/Nov/2008	4/Nov/2008	4/Nov/2008	7/Nov/2008	
Trt-Eval Interval									
ARM Action Codes				TY1				T2	
# Subsamples, Dec.				1					
Trt Treatment									
No. Name	Rate	Rate Unit	Appl Code	10	11	12	13	14	15
2 IGNITE	29 oz/a	A		8.05	1313.8	382.00	139.67	36.40	475.44
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		11.70	1910.8	350.33	134.00	38.20	727.79
1 ACEPHATE	0.5 lb ai/a	A							
2 FIRST FLOWER		B							
2 IGNITE	29 oz/a	A		11.06	1805.7	363.67	138.67	38.11	686.99
2 STANCE	3 oz/a	A							
1 ACEPHATE	0.5 lb ai/a	A							
2 FIRST FLOWER		B							
1 IGNITE	29 oz/a	A		10.04	1638.7	400.33	154.67	38.26	613.68
2 BAYTHROID XL	0.033 lb ai/a	A							
2 FIRST FLOWER		B							
2 IGNITE	29 oz/a	A		7.65	1249.0	449.33	173.33	38.66	483.71
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		9.18	1498.8	382.00	127.00	34.08	520.09
3 BIDRIN	0.4 lb ai/a	A							
2 FIRST FLOWER		B							
2 IGNITE	29 oz/a	A		7.18	1172.8	527.67	203.00	38.52	450.30
2 STANCE	3 oz/a	A							
3 BIDRIN	0.4 lb ai/a	A							
2 FIRST FLOWER		B							
1 IGNITE	29 oz/a	A		9.94	1622.9	415.00	160.00	38.37	622.52
4 CENTRIC	0.047 lb ai/a	A							
2 FIRST FLOWER		B							
2 IGNITE	29 oz/a	A		8.53	1393.2	398.33	152.67	38.27	534.48
2 STANCE	3 oz/a	A							
4 CENTRIC	0.047 lb ai/a	A							
2 FIRST FLOWER		B							
1 IGNITE	29 oz/a	A		8.23	1343.7	334.00	126.67	37.68	501.80
5 DIMETHOATE	0.25 lb ai/a	A							
2 FIRST FLOWER		B							
2 IGNITE	29 oz/a	A		7.48	1220.7	444.33	170.33	38.29	467.31
2 STANCE	3 oz/a	A							
5 DIMETHOATE	0.25 lb ai/a	A							
2 FIRST FLOWER		B							
1 IGNITE	29 oz/a	A		10.62	1733.4	426.33	165.00	38.73	669.40
6 DIAMOND	9 oz/a	A							
2 FIRST FLOWER		B							
2 IGNITE	29 oz/a	A		9.21	1503.2	321.67	123.33	38.24	572.52
2 STANCE	3 oz/a	A							
6 DIAMOND	9 oz/a	A							
2 FIRST FLOWER		B							
1 IGNITE	29 oz/a	A		11.12	1815.5	372.00	141.00	37.95	686.61
7 CARBINE	0.088 lb ai/a	A							
2 FIRST FLOWER		B							
2 IGNITE	29 oz/a	A		9.86	1609.3	465.33	175.67	37.88	607.69
2 STANCE	3 oz/a	A							
7 CARBINE	0.088 lb ai/a	A							
2 FIRST FLOWER		B							
1 IGNITE	29 oz/a	A		10.79	1761.1	489.00	188.67	38.55	681.93
8 ZEPHYR	5 oz/a	A							
2 FIRST FLOWER		B							
2 IGNITE	29 oz/a	A		9.09	1484.1	425.00	161.33	37.91	560.06
2 STANCE	3 oz/a	A							
8 ZEPHYR	5 oz/a	A							
2 FIRST FLOWER		B							
1 IGNITE	29 oz/a	A		7.40	1207.6	422.00	164.00	38.72	469.84
9 OBERON	5 oz/a	A							
2 FIRST FLOWER		B							
2 IGNITE	29 oz/a	A		7.65	1248.5	324.67	123.00	37.40	468.08
2 STANCE	3 oz/a	A							
9 OBERON	5 oz/a	A							
2 FIRST FLOWER		B							
1 IGNITE	29 oz/a	A		7.19	1173.4	439.33	171.00	38.99	457.13
10 VYDATE C-LV	0.4 lb ai/a	A							
2 FIRST FLOWER		B							

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	26/Sep/2008	26/Sep/2008	4/Nov/2008	4/Nov/2008	4/Nov/2008	7/Nov/2008			
Trt-Eval Interval									
ARM Action Codes		TY1				T2			
# Subsamples, Dec.		1							
Trt Treatment									
No. Name	Rate	Unit	Appl Code	10	11	12	13	14	15
2 IGNITE	29 oz/a	A		5.54	905.1	360.00	140.50	39.12	328.77
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 26/Sep/2008

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	1331.453884				
R	2	37.537218	18.768609	1.576	0.2133	1.54
A	1	95.997717	95.997717	8.061	0.0058	1.09
B	9	44.701938	4.966882	0.417	0.9223	2.44
AB	9	20.375484	2.263943	0.190	0.9946	3.45
C	1	9.707144	9.707144	0.815	0.3694	1.09
AC	1	7.316137	7.316137	0.614	0.4355	1.54
BC	9	178.942280	19.882476	1.670	0.1106	3.45
ABC	9	8.037120	0.893013	0.075	0.9999	4.88
ERROR	78	928.838847	11.908190			

FACTORIAL/POOLED ERROR AOV For GOSHI YIELD LB/A 26/Sep/2008 TY1 1

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	35491988.076508				
R	2	1000612.993374	500306.496687	1.576	0.2133	252.0
A	1	2558969.767840	2558969.767840	8.061	0.0058	178.2
B	9	1191599.679001	132399.964333	0.417	0.9223	398.4
AB	9	543140.541028	60348.949003	0.190	0.9946	563.4
C	1	258757.731670	258757.731670	0.815	0.3694	178.2
AC	1	195023.568600	195023.568600	0.614	0.4355	252.0
BC	9	4769984.434861	529998.270540	1.670	0.1106	563.4
ABC	9	214242.075240	23804.675027	0.075	0.9999	796.8
ERROR	78	24759657.284892	317431.503652			

FACTORIAL/POOLED ERROR AOV For GOSHI SEEDCOTTON GRAMS 4/Nov/2008

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	1280844.791667				
R	2	34125.416667	17062.708333	1.513	0.2267	47.49
A	1	648.675000	648.675000	0.058	0.8111	33.58
B	9	146782.208333	16309.134259	1.446	0.1834	75.09
AB	9	143713.075000	15968.119444	1.416	0.1959	106.20
C	1	3234.408333	3234.408333	0.287	0.5938	33.58
AC	1	3.008333	3.008333	0.000	0.9871	47.49
BC	9	11540.008333	1282.223148	0.114	0.9993	106.20
ABC	9	61107.408333	6789.712037	0.602	0.7916	150.19
ERROR	78	879690.583333	11278.084402			

FACTORIAL/POOLED ERROR AOV For GOSHI LINT GRAMS 4/Nov/2008

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	194274.747917				
R	2	6561.804167	3280.902083	1.985	0.1443	18.18
A	1	0.102083	0.102083	0.000	0.9938	12.86
B	9	21298.935417	2366.548380	1.431	0.1893	28.75
AB	9	26537.335417	2948.592824	1.784	0.0847	40.66
C	1	105.468750	105.468750	0.064	0.8013	12.86
AC	1	256.668750	256.668750	0.155	0.6946	18.18
BC	9	2349.302083	261.033565	0.158	0.9974	40.66
ABC	9	8215.768750	912.863194	0.552	0.8317	57.50
ERROR	78	128949.362500	1653.196955			

FACTORIAL/POOLED ERROR AOV For GOSHI LINT FRACTION % 4/Nov/2008

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	420.488792				
R	2	16.860076	8.430038	2.707	0.0730	0.79
A	1	5.006536	5.006536	1.608	0.2086	0.56
B	9	21.763775	2.418197	0.776	0.6384	1.25
AB	9	46.950616	5.216735	1.675	0.1093	1.76
C	1	6.821385	6.821385	2.190	0.1429	0.56
AC	1	14.537792	14.537792	4.668	0.0338	0.79
BC	9	38.404832	4.267204	1.370	0.2161	1.76
ABC	9	27.231972	3.025775	0.972	0.4700	2.50
ERROR	78	242.911809	3.114254			

FACTORIAL/POOLED ERROR AOV For GOSHI LINT YIELD LB/A 7/Nov/2008 T2

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	119	5064504.425390				
R	2	170011.487436	85005.743718	1.943	0.1501	93.53
A	1	419552.561155	419552.561155	9.591	0.0027	66.14
B	9	162050.463069	18005.607008	0.412	0.9253	147.89
AB	9	65952.997900	7328.110878	0.168	0.9967	209.15
C	1	48459.532109	48459.532109	1.108	0.2958	66.14
AC	1	46034.929058	46034.929058	1.052	0.3081	93.53
BC	9	705469.451812	78385.494646	1.792	0.0830	209.15
ABC	9	35054.708504	3894.967612	0.089	0.9997	295.78
ERROR	78	3411918.294347	43742.542235			