

**COTTON VARIETIES  
FOR LOUISIANA  
2006**



# Cotton Varieties for Louisiana - 2006

## Table of Contents

Introduction .....	3
Choosing Varieties .....	3
Fiber Properties .....	3
Using the Data.....	3
Recommended and Promising Varieties.....	4
Roundup Ready Flex Varieties.....	4
Liberty Link Varieties .....	5
Seeding Rate and Stand .....	5
Average Performance Across All Louisiana Locations	
Early maturing .....	6
Medium maturing .....	8
Alexandria Silt Loam (Dean Lee Research Station)	
Early Maturing.....	9
Medium Maturing.....	12
Alexandria Clay (Dean Lee Research Station)	
Early maturing .....	14
Medium maturing .....	16
Bossier City (Red River Research Station)	
Early maturing .....	18
Medium Maturing.....	19
St. Joseph Silt Loam (Northeast Research Station)	
Early maturing .....	22
Medium maturing .....	24
St. Joseph Clay (Northeast Research Station)	
Early maturing .....	26
Medium maturing .....	28
Winnsboro Irrigated (Macon Ridge Research Station)	
Early maturing .....	30
Medium maturing .....	32
Roundup Ready Flex Varieties	
Early maturing across locations.....	34
Medium maturing across locations.....	35
Alexandria	
Early maturing.....	36
Medium maturing.....	37
Bossier City	
Early maturing.....	38
Medium maturing.....	39
St. Joseph	
Early maturing.....	40
Medium maturing.....	41
Winnsboro	
Early maturing.....	42
Medium maturing.....	43
Nematode Gall Ratings of Selected Varieties .....	44



## INTRODUCTION

Each year, scientists at the LSU AgCenter evaluate cotton varieties at four locations that are representative of the cotton-growing regions in Louisiana. The trials are conducted at the Red River Research Station near Bossier City, the Dean Lee Research Station near Alexandria, the Macon Ridge Research Station near Winnsboro and the Northeast Research Station near St. Joseph. Varieties are grown using practices that follow AgCenter recommendations and typify commercial operations as closely as possible. Trials are replicated four or five times at each location, and data are compiled for one-, two- and three-year average performance.

## CHOOSING VARIETIES

Choosing a cotton variety is perhaps the most important single decision a producer can make in any year. Variety selection has become increasingly important since the introduction of transgenic cottons and concurrent increases in seed costs and technology fees. Moreover, variety selection is the one decision a producer makes that is not influenced by weather or other environmental factors. Therefore, choosing a high-yielding, good-quality variety adapted to local growing conditions is of tremendous importance.

Choosing a cotton variety can be difficult, and the rapid introduction of newer, transgenic varieties complicates the process. The more informed the decision, the better; this publication strives to provide as much information as possible about cotton variety performance over a wide range of conditions. The information reported on measured performance of cotton varieties in

Louisiana should be extremely useful as a primary source for choosing the varieties.

One cotton variety is not likely to be adapted to all soils, environmental conditions or production practices. Growers are strongly encouraged to spread their risks by growing at least three or four different varieties. The bulk of a grower's acreage should be devoted to proven varieties; newer varieties should be tried on a limited basis until further experience is gained.

## FIBER PROPERTIES

Fiber quality is of increasing importance in marketing cotton and choosing varieties. Because the domestic textile industry has shrunk, more U.S. cotton is being exported for use by overseas mills that generally demand higher quality cotton. The quality of Louisiana cotton has been a concern in recent years, particularly high micronaire. While premiums are small, discounts for high micronaire and other factors can be significant. Variety selection plays the largest role in fiber properties and is increasingly important for U.S. cotton to maintain and increase share in the world market.

Fiber parameters reported were determined using the same High Volume Instrumentation (HVI) classing system used in a USDA classing office. The physical properties (staple length, reported as the upper half mean or UHM; fiber strength; uniformity index; and micronaire) are reported. Color grades can be influenced by defoliation and moduling of seedcotton and are not reported in these data.

Loan values have been calculated using only the physical fiber properties

of micronaire, staple length (reported as the upper half mean, or UHM), fiber strength and uniformity. Because of the influence of defoliation, moduling and ginning sequence on color and trash, all samples are assumed to be a base color and leaf grade when calculating loan values. From the loan value and yield of each plot, a gross value per acre has also been calculated and reported in the tables. These data should indicate the relative influence of quality on gross value among varieties. Individual experience may differ because of the influence of management and ginning of seedcotton. As with all variety trial data, the relative differences or similarities among varieties should be considered when using the loan value and gross value per acre data.

## USING THE DATA

Yield should be the primary factor considered when choosing a variety, followed by fiber quality and maturity. Top-yielding varieties should be considered first. There is often no statistical difference between the top-yielding varieties in a given trial. The least significant difference (LSD) reported below each table is the smallest difference in yield that can be considered a "true" difference. The most important factor is NOT the absolute number reported for a cotton variety's yield or fiber quality. The most important question to answer is: "How did a variety yield RELATIVE to other varieties in the trial?" Another important number to look for is the test average or mean. Considering a variety's performance relative to the average for the entire trial will help identify varieties that are above average at a given location.

Cotton varieties should be chosen only after considering their performance over multiple locations and years. Superior performance in one year can often indicate a good variety, but superior performance over multiple years indicates consistency and reliability. Varieties are now introduced at a rapid pace and have shorter life spans than in the past. Data for the newest varieties are often not available for multiple years. For these new varieties that do not yet have multi-year performance records, single location data may not be indicative of potential, and it is best to consider performance averaged across several locations.

Grower experience with a past variety is important for several reasons. Cotton varieties have differing growth habits and can be locally adapted to a small area and not another. Experience with a variety should be a factor, but newer varieties that perform well in trials should be considered, too.

## RECOMMENDED AND PROMISING VARIETIES

The LSU AgCenter identifies consistently high-performing varieties at each location as recommended or promising. To be listed as recommended, a variety's three-year average yield must be within 90% of the average of the top three varieties in the trial. Varieties can be listed as promising after two years of testing if the two-year average yield is within 95% of the top three varieties on a two-year basis.

To identify promising varieties that are new to the market and which have only one year of testing in the official variety trials, an across location analysis of variance was done. New entries that yielded within one Least Significant Difference ( $LSD_{0.05}$ ) of the top-yielding entry in the across location analysis were identified as promising.

The following table lists all early and medium maturity varieties that are recommended or promising for 2006 at one or more locations. Not all varieties have met the criteria at all locations; therefore you should closely inspect the data tables for performance at a location most similar to your own farm.

After Recommended	Two Years	One Year
Deltapine DP 393	Deltapine DP 445 BG/RR	Beltwide XBCG 9124 B2F†
Deltapine DP 432 RR	Deltapine DP 488 BG/RR	Deltapine DP 110 RF
Deltapine DP 434 RR	Deltapine DP 543 BGII/RR	Deltapine DP 113 B2RF
Deltapine DP 444 BG/RR	FiberMax FM 960 RR	Deltapine DPLX03X179R†
Deltapine DP 449 BG/RR	FiberMax FM 966 LL	Phytogen PHY 485 WRF
Deltapine DP 494 RR	FiberMax FM 800 B2R	Phytogen PHY 475 WRF
Deltapine DP 555 BG/RR	Stoneville ST 4575BR	Syngenta DX25105N†
FiberMax FM 832 LL	Stoneville ST 4646B2R	
FiberMax FM 958 LL	Stoneville ST 4686R	
FiberMax FM 960 BR	Stoneville ST 5242BR	
Phytogen PHY 410R		
Stoneville ST 4892BR		
Stoneville ST 5303R		
Stoneville ST 5599BR		

†Experimental. Seed of this variety may or may not be available in 2006.

In the data tables for individual locations, **BOLDFACE** entries indicate varieties that have met the criteria to be recommended at that location in which they appear. Similarly, **SHADED** entries indicate varieties that have met the criteria to be listed as promising at the location in which they appear.

## ROUNDUP READY FLEX VARIETIES

Transgenic lines of Roundup Ready Flex cotton varieties will be commercially available for the first time in 2006. Roundup Ready Flex varieties will exhibit increased tolerance, particularly in the fruiting stage, to glyphosate applications. Label restrictions for Roundup Ready varieties currently restrict over-the-top applications of glyphosate after the fifth true leaf stage and limit contact with the stem for directed applications. Roundup Ready Flex labeling will allow over-the-top applications of glyphosate to Roundup Ready Flex varieties into the bloom stage and will not restrict contact with the stem for directed applications. Because the exact label restrictions are not known at this time, read and follow the label closely for specific restrictions. Moreover, consult the label for specific glyphosate formulations for permitted use on Roundup Ready Flex varieties. The Roundup Ready varieties you have

grown accustomed to will still have the label restrictions for glyphosate applications.

Because of EPA regulations, wide-scale testing of Roundup Ready Flex varieties was not allowed before 2005. Therefore, only one year of data are available for choosing Roundup Ready Flex varieties. This publication contains results from four locations in Louisiana where a large number of Roundup Ready Flex varieties were tested. You will see some variance in the data when examining the tables for individual locations. This is to be expected with only one year of testing. You are strongly encouraged to use the table with across location averages; it combines all four locations for greater accuracy. As with all new varieties, the LSU AgCenter recommends trying new varieties on a small portion of acreage to determine local adaptability.

Weed control is a major factor in producing high-yielding, high-quality cotton. Because of the increased flexibility for applying glyphosate over-the-top to Roundup Ready Flex varieties, some growers may opt to wait until weeds emerge and gain some size before making applications. This is not recommended, particularly for early-season weed control. Early weed competition can severely reduce yield.

Glyphosate is very effective on a wide range of species, particularly when they are small. Applications should be timed to weed size and not other factors. Moreover, reliance on one mode of action weed control is not recommended and can eventually lead to resistance. Because of the recent concerns with glyphosate-resistant weeds in neighboring states, the use of other herbicides in addition to glyphosate in Roundup Ready Flex cotton may be warranted. Consult the LSU AgCenter's 2006 *Controlling Weeds in Cotton* for more information on controlling weeds in Roundup Ready Flex cotton.

**LIBERTY LINK VARIETIES**

Varieties with the designation 'LL' in the name are transgenic varieties resistant to over-the-top applications of Ignite 280 or Ignite (glufosinate). These varieties can be managed in a Liberty Link weed control program, which is covered in more detail in the LSU AgCenter's 2006 *Controlling Weeds in Cotton* publication. Liberty Link cotton is resistant to Ignite, but can be injured by applications or drift of glyphosate. On farms or in areas where Liberty Link cotton is grown near Roundup

Ready or Roundup Ready Flex cotton, care should be taken to avoid confusion of the herbicide systems and reduce the potential for mistaken applications or drift.

**SEEDING RATE AND STAND**

Two to three plants per row foot is the ideal final plant population in 30- to 40-inch rows. To achieve this population, seeding rates should be slightly higher due to less than 100% germination. Most cotton seed sold will have at least an 80% germination reported on the bag. This is the result of the warm germination test. Field conditions, however, are typically more adverse than laboratory tests. The cool germination test can approximate adverse field conditions and is a measure of seed vigor. Results from the cool germination test are not reported on the bag but can be obtained from the seed company. Growers are urged to find this information. Being aware of the results of the cool germination test is more important than determining what is actually a good or bad cool germ. For example, a seed lot with 85% cool germ is more vigorous than one with a 65% cool germ. If the 65% cool germ

lot is planted in good, warm conditions, however, overall germination is likely to be as high as the 85% lot. Under adverse conditions, the 85% lot is likely to germinate at a much higher rate than the 65% lot. A somewhat arbitrary division of the cool germ test results is shown in the following table:

Cool Germination %	Vigor
>80	Excellent
65-80	Good
50-65	Acceptable – use special care
<50	Poor – most companies will not sell this seed

Remember, a cotton seed is a living organism that is used as delivery mechanism for genetic traits, transgenic technology and often seed treatments. Care should be taken to preserve seed quality and plant high-quality seed to ensure adequate plant stand.

## Early Maturing – Across All Locations

**TABLE 1. Three-year performance of early maturing cotton varieties across six Louisiana locations (2003, 2004 & 2005).**

Variety	Lint	Lint	Mike	UHM	Strength	UI	Loan Value	Gross Value
	lb/acre	percent		inches	g/tex	percent	cents/lb	\$/acre
‡Stoneville ST 5599BR	1394*	38.9	4.6	1.13	30.2	82.9	53.63	769.56
‡Deltapine DP 555 BG/RR	1393*	41.8	4.6	1.12	29.0	82.5	53.35	752.38
Deltapine DP 432 RR	1326	38.5	4.6	1.11	30.9	83.5	53.40	722.50
FiberMax FM 960 BR	1317	38.0	4.4	1.12	32.8	83.3	53.98	718.31
Deltapine DP 434 RR	1314	40.1	4.4	1.16	28.9	83.4	54.19	715.06
Deltapine DP 444 BG/RR	1274	39.3	4.2	1.13	29.8	83.5	53.94	684.28
Deltapine DP 449 BG/RR	1273	37.8	4.5	1.12	31.3	83.2	53.83	690.21
FiberMax FM 958 LL	1211	37.9	4.5	1.17	32.6	83.7	53.54	663.10
Deltapine DP 424 BGII/RR	1202	35.9	4.5	1.12	29.2	83.4	53.53	646.86
Phytogen PHY 410R	1196	37.6	4.6	1.13	31.6	84.1	54.09	658.53
<b>Mean</b>	<b>1290</b>	<b>38.6</b>	<b>4.5</b>	<b>1.13</b>	<b>30.6</b>	<b>83.3</b>	<b>53.84</b>	<b>702.26</b>
<b>LSD<sub>0.05</sub></b>	44	0.4	0.1	0.01	0.3	0.2	0.29	28.81
<b>CV (%)</b>	11.4	3.0	4.0	1.6	3.2	0.7	1.6	11.8

\*Not significantly different from highest yielder (p=0.05)

‡Medium maturity variety included for comparison purposes only.

**TABLE 2. Two-year performance of early maturing cotton varieties across six Louisiana locations (2004 & 2005).**

Variety	Lint	Lint	Mike	UHM	Strength	UI	Loan Value	Gross Value
	lb/acre	percent		inches	g/tex	percent	cents/lb	\$/acre
‡Stoneville ST 5599BR	1386*	38.5	4.6	1.13	30.3	83.0	53.72	760.30
‡Deltapine DP 555 BG/RR	1376*	41.1	4.5	1.13	29.0	82.6	53.60	747.16
Deltapine DP 432 RR	1324	38.1	4.6	1.12	31.0	83.5	53.40	729.61
FiberMax FM 960 BR	1304	37.5	4.4	1.13	32.7	83.3	54.11	707.43
Deltapine DP 434 RR	1304	39.7	4.4	1.16	28.9	83.4	54.19	713.24
Stoneville ST 5242BR	1294	38.3	4.6	1.11	29.0	83.3	53.43	696.20
Deltapine DP 449 BG/RR	1283	37.6	4.5	1.12	31.4	83.3	53.86	695.22
Deltapine DP 445 BG/RR	1276	39.3	4.5	1.14	32.2	83.8	54.48	702.05
Stoneville ST 4575BR	1264	38.0	4.6	1.12	31.7	83.2	53.76	692.49
FiberMax FM 960 RR	1246	38.4	4.2	1.15	31.3	83.5	54.40	681.89
Deltapine DP 444 BG/RR	1244	38.7	4.2	1.13	29.8	83.5	53.96	674.79
Deltapine DP 455 BG/RR	1243	39.3	4.2	1.15	30.9	82.7	54.15	669.83
FiberMax FM 960 B2R	1219	37.9	4.5	1.18	31.8	83.6	54.59	664.44
Phytogen PHY 410R	1212	37.0	4.6	1.14	31.5	84.1	54.15	663.82
Stoneville ST 4686R	1205	38.2	4.6	1.13	30.8	83.1	53.61	656.68
Deltapine DP 424 BGII/RR	1193	35.4	4.5	1.12	29.3	83.5	53.65	643.22
FiberMax FM 958 LL	1179	37.4	4.6	1.17	32.7	83.6	54.48	635.19
FiberMax FM 966 LL	1172	36.7	4.4	1.15	33.2	83.9	54.59	645.84
<b>Mean</b>	<b>1263</b>	<b>38.2</b>	<b>4.5</b>	<b>1.14</b>	<b>31.0</b>	<b>83.4</b>	<b>54.00</b>	<b>688.14</b>
<b>LSD<sub>0.05</sub></b>	59	0.4	0.1	0.01	0.4	0.2	0.31	36.10
<b>CV (%)</b>	12.0	2.9	4.0	1.6	3.2	0.7	1.5	12.4

\*Not significantly different from highest yielder (p=0.05)

‡Medium maturity variety included for comparison purposes only.

**TABLE 3. One-year performance of early maturing cotton varieties across six Louisiana locations (2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cent/lb	Gross Value \$/acre
†Syngenta DX25105N	1458*	40.5	4.6	1.13	28.6	82.6	53.73	796.17
‡Deltapine DP 555 BG/RR	1387*	41.0	4.6	1.09	26.8	81.7	52.47	750.01
†Deltapine DPLX04Y170BR	1381	39.5	4.5	1.10	27.7	82.2	52.99	751.43
Phytogen PHY 440W	1372	38.8	4.5	1.12	30.2	83.3	53.94	755.39
‡Stoneville ST 5599BR	1362	38.6	4.6	1.11	28.6	82.5	53.19	756.66
Deltapine DP 432 RR	1348	37.9	4.6	1.09	29.8	83.0	52.77	739.06
†Syngenta DX24706	1346	38.9	4.8	1.09	28.4	82.6	51.92	699.04
Deltapine DP 434 RR	1336	39.3	4.2	1.13	27.4	82.5	53.84	737.05
Phytogen PHY 370WR	1326	39.0	4.6	1.08	29.6	82.7	52.35	711.27
Deltapine DP 445 BG/RR	1312	39.3	4.4	1.12	31.0	83.0	54.05	728.10
FiberMax FM 960 BR	1309	37.1	4.4	1.10	30.7	82.6	53.33	704.11
Phytogen PHY 310R	1298	39.5	4.6	1.08	29.4	82.3	51.84	687.28
Deltapine DP 449 BG/RR	1293	37.2	4.5	1.10	29.2	82.4	53.07	701.81
Deltapine DP 424 BGII/RR	1266	35.9	4.5	1.09	27.7	82.7	52.53	685.65
Deltapine DP 455 BG/RR	1265	39.2	4.1	1.11	28.7	81.8	53.39	675.55
Phytogen PHY 480WR	1262	36.7	4.6	1.12	31.0	83.5	54.19	700.52
FiberMax FM 960 RR	1261	38.2	4.1	1.12	29.2	82.8	53.81	692.71
Stoneville ST 5242BR	1254	38.3	4.5	1.08	27.5	82.8	52.26	673.00
FiberMax FM 960 B2R	1246	37.6	4.5	1.15	29.9	82.9	54.30	683.95
Phytogen PHY 470WR	1242	37.6	4.6	1.10	30.0	83.3	53.04	669.04
Stoneville ST 4575BR	1223	38.2	4.5	1.09	30.4	82.4	52.89	671.20
Deltapine DP 444 BG/RR	1211	39.7	4.1	1.10	27.8	82.8	52.98	660.00
Deltapine DP 454 BG/RR	1203	41.0	4.1	1.08	27.5	82.3	51.69	645.11
Phytogen PHY 410R	1195	37.3	4.6	1.11	30.6	83.6	53.88	658.73
Stoneville ST 4686R	1160	38.4	4.5	1.09	30.8	82.4	52.71	630.82
FiberMax FM 966 LL	1158	37.5	4.4	1.11	31.5	83.2	54.22	633.92
FiberMax FM 958 LL	1112	37.2	4.5	1.15	30.2	82.6	54.27	592.73
†Syngenta DX2410420	1107	37.3	4.2	1.13	29.7	82.6	54.19	602.31
<b>Mean</b>	<b>1274</b>	<b>38.4</b>	<b>4.4</b>	<b>1.11</b>	<b>29.3</b>	<b>82.7</b>	<b>53.20</b>	<b>693.13</b>
<b>LSD<sub>0.05</sub></b>	72	0.5	0.1	0.01	0.5	0.3	0.56	46.44
<b>CV (%)</b>	10.2	2.3	3.6	1.6	2.7	0.7	1.8	10.8

\*Not significantly different from highest yielder (p=0.05)

‡Medium maturity variety included for comparison purposes only.

†Experimental. Seed of this variety may or may not be available in 2006.

*NOTE: Shaded varieties are identified as promising after one year of multi-location testing.*

## Medium Maturing – Across All Locations

**TABLE 4. Three-year performance of medium maturing cotton varieties across all Louisiana locations (2003, 2004 & 2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
Deltapine DP 555 BG/RR	1405*	41.7	4.6	1.12	29.0	82.2	53.37	782.61
Stoneville ST 5599BR	1394*	39.0	4.7	1.13	30.3	83.0	53.33	762.86
‡Stoneville ST 5242BR	1344	38.9	4.5	1.11	28.9	83.3	53.28	718.80
FiberMax FM 991 BR	1270	37.5	4.6	1.14	33.3	83.1	53.96	696.18
Deltapine DP 494 RR	1253	39.7	4.6	1.16	32.9	83.6	54.51	708.20
FiberMax FM 832 LL	1193	37.1	4.1	1.20	31.9	83.9	54.78	676.96
Stoneville ST 5303R	1188	37.3	4.6	1.11	32.7	83.8	53.56	659.30
<b>Mean</b>	<b>1294</b>	<b>38.8</b>	<b>4.5</b>	<b>1.14</b>	<b>31.2</b>	<b>82.3</b>	<b>53.82</b>	<b>716.16</b>
<b>LSD<sub>0.05</sub></b>	44	0.4	0.1	0.01	0.4	0.2	0.30	29.38
<b>CV (%)</b>	11.0	3.0	3.6	1.8	3.4	0.9	1.6	11.6

\*Not significantly different from highest yielder (p=0.05)

‡Early maturity variety included for comparison purposes only.

**TABLE 5. Two-year performance of medium maturing cotton varieties across all Louisiana locations (2004 & 2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
Stoneville ST 5599BR	1361*	38.6	4.7	1.13	30.2	83.0	53.39	743.86
Deltapine DP 555 BG/RR	1359*	41.0	4.6	1.12	28.8	82.2	53.37	759.73
‡Stoneville ST 5242BR	1291	38.1	4.5	1.11	28.9	83.3	53.38	685.63
FiberMax FM 991 BR	1270	37.1	4.6	1.15	33.2	83.1	53.99	687.77
Deltapine DP 488 BG/RR	1260	38.7	4.5	1.17	31.2	83.1	54.42	712.47
‡Deltapine DP 444 BG/RR	1253	38.6	4.2	1.13	29.6	83.2	53.95	686.31
Deltapine DP 494 RR	1237	39.2	4.6	1.16	32.8	83.5	54.57	701.01
Deltapine DP 543 BGII/RR	1234	37.8	4.7	1.14	29.9	82.8	53.65	691.78
Stoneville ST 5303R	1189	37.2	4.6	1.11	32.8	83.8	53.68	662.54
Stoneville ST 6636BR	1189	35.9	4.7	1.16	31.9	83.8	54.25	671.64
FiberMax FM 800 B2R	1160	37.2	4.1	1.19	32.3	83.9	54.79	655.21
FiberMax FM 832 LL	1141	36.6	4.1	1.20	31.7	83.8	54.78	649.06
FiberMax FM 991 B2R	1112	35.5	4.5	1.17	32.2	83.4	54.68	624.31
Stoneville ST 6848R	1039	35.4	4.7	1.16	33.2	84.1	54.48	598.88
<b>Mean</b>	<b>1220</b>	<b>37.6</b>	<b>4.5</b>	<b>1.15</b>	<b>31.3</b>	<b>83.4</b>	<b>54.10</b>	<b>680.80</b>
<b>LSD<sub>0.05</sub></b>	53	0.3	0.1	0.01	0.4	0.2	0.28	32.44
<b>CV (%)</b>	11.6	2.5	3.7	1.6	3.0	0.7	1.3	11.7

\*Not significantly different from highest yielder (p=0.05)

‡Variety included for comparison purposes only.



**TABLE 6. One-year performance of medium maturing cotton varieties across all Louisiana locations (2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
†Deltapine DPLX03X179R	1384*	40.8	4.7	1.14	30.9	83.4	54.02	842.78
Stoneville ST 5599BR	1301	38.8	4.6	1.10	28.2	82.1	52.82	722.02
‡Stoneville ST 5242BR	1257	38.6	4.5	1.09	27.4	82.6	52.43	668.53
Deltapine DP 555 BG/RR	1239	40.8	4.6	1.09	26.8	81.4	52.21	712.65
†Deltapine DPLX05X648DR	1227	39.9	4.7	1.09	26.9	81.5	51.58	685.87
Deltapine DP 494 RR	1211	39.2	4.7	1.14	31.0	82.8	54.23	718.46
‡Deltapine DP 444 BG/RR	1198	39.2	4.2	1.10	27.6	82.2	52.96	651.15
FiberMax FM 991 BR	1197	36.6	4.7	1.11	31.6	82.3	53.32	639.97
Deltapine DP 488 BG/RR	1192	38.3	4.6	1.14	28.9	82.2	53.91	700.08
FiberMax FM 800 B2R	1190	37.8	4.1	1.17	30.7	83.1	54.57	701.71
Stoneville ST 5303R	1162	37.2	4.6	1.08	31.0	83.2	54.57	666.48
FiberMax 9166 B2LL	1150	37.6	4.7	1.10	30.7	82.5	52.98	657.35
Deltapine DP 543 BGII/RR	1132	37.7	4.7	1.11	28.0	82.0	53.12	662.72
Beltwide XBCG 1504	1121	36.5	4.2	1.13	29.1	81.9	54.15	621.89
FiberMax FM 832 LL	1096	36.8	4.1	1.17	30.1	83.4	54.58	649.47
Stoneville ST 6636BR	1096	36.1	4.6	1.14	30.0	83.0	54.29	645.13
FiberMax FM 991 B2R	1056	35.8	4.3	1.14	30.6	82.5	54.45	609.76
Stoneville ST 6848R	951	35.4	4.6	1.13	31.6	83.5	54.53	570.09
<b>Mean</b>	<b>1174</b>	<b>38.0</b>	<b>4.5</b>	<b>1.12</b>	<b>29.5</b>	<b>82.6</b>	<b>53.49</b>	<b>672.79</b>
<b>LSD<sub>0.05</sub></b>	69	0.4	0.1	0.01	0.5	0.4	0.48	42.69
<b>CV (%)</b>	10.4	2.0	3.2	1.4	2.8	0.7	1.6	9.8

\*Not significantly different from highest yielder (p=0.05)

‡Early maturity variety included for comparison purposes only.

†Experimental. Seed of this variety may or may not be available in 2006.

NOTE: Shaded varieties are identified as promising after one year of multi-location testing.

### Alexandria Silt Loam Early

**TABLE 7. Three-year performance of early maturing cotton varieties on a Norwood silt loam at Alexandria, La. (2003, 2004 & 2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
‡Deltapine DP 555 BG/RR	1421*	42.5	4.5	1.15	30.4	83.1	54.52	773.64
‡Stoneville ST 5599BR	1337*	38.8	4.6	1.13	31.2	83.2	53.90	723.93
<b>FiberMax FM 960 BR</b>	1280*	38.8	4.2	1.13	33.8	83.1	54.48	697.23
<b>Deltapine DP 444 BG/RR</b>	1266*	39.3	3.9	1.14	30.9	83.5	54.25	685.00
<b>Deltapine DP 432 RR</b>	1227	39.1	4.3	1.12	31.1	83.3	54.15	683.00
<b>FiberMax FM 958 LL</b>	1208	37.9	4.5	1.18	32.8	83.8	54.53	658.38
<b>Phytogen PHY 410R</b>	1194	38.0	4.6	1.14	32.3	84.3	54.13	648.41
<b>Deltapine DP 434 RR</b>	1188	39.4	4.1	1.17	29.6	83.2	54.23	646.71
<b>Deltapine DP 424 BGII/RR</b>	1163	36.4	4.4	1.11	29.5	83.4	53.80	622.82
<b>Deltapine DP 449 BG/RR</b>	1149	37.4	4.4	1.13	32.1	83.1	54.14	621.99
<b>Mean</b>	<b>1241</b>	<b>38.7</b>	<b>4.3</b>	<b>1.14</b>	<b>31.4</b>	<b>83.4</b>	<b>54.2</b>	<b>675.06</b>
<b>LSD<sub>0.05</sub></b>	157	1.0	0.2	0.01	1.0	0.4	1.0	79.80
<b>CV (%)</b>	12.2	3.3	5.4	1.7	4.1	0.7	1.5	11.9

\*Not significantly different from highest yielder (p=0.05)

‡Medium maturity variety included for comparison purposes only.

NOTE: Recommended varieties for this location are in boldface type.

**TABLE 8. Two-year performance of early maturing cotton varieties on a Norwood silt loam at Alexandria, La. (2004 & 2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
‡Deltapine DP 555 BG/RR	1353*	40.7	4.5	1.15	29.7	83.4	54.51	734.97
‡Stoneville ST 5599BR	1266*	38.4	4.7	1.13	31.1	83.3	53.54	682.23
Stoneville ST 4575BR	1264*	37.6	4.4	1.13	32.5	83.4	54.49	689.33
FiberMax FM 960 RR	1208*	37.6	4.1	1.15	31.7	83.4	54.73	661.09
<b>Phytogen PHY 410R</b>	1194*	36.6	4.7	1.15	32.2	84.5	53.91	646.55
<b>Deltapine DP 444 BG/RR</b>	1189*	37.5	4.1	1.14	30.5	83.6	54.06	639.11
<b>Deltapine DP 432 RR</b>	1175*	37.3	4.4	1.12	30.9	83.4	54.29	667.00
Stoneville ST 5242BR	1157*	36.8	4.6	1.12	29.7	83.2	54.14	626.89
<b>Deltapine DP 434 RR</b>	1148*	37.9	4.2	1.16	29.6	83.5	54.13	625.31
<b>Deltapine DP 424 BGII/RR</b>	1146*	34.6	4.4	1.13	29.7	83.9	54.18	617.92
FiberMax FM 960 B2R	1110	36.8	4.4	1.18	32.7	83.9	54.76	608.04
Stoneville ST 4686R	1105	36.8	4.4	1.13	32.1	83.1	54.01	593.30
<b>FiberMax FM 958 LL</b>	1091	36.6	4.5	1.17	32.6	83.8	54.38	592.48
<b>FiberMax FM 960 BR</b>	1085	36.7	4.2	1.13	33.2	83.1	54.41	589.68
FiberMax FM 966 LL	1062	35.6	4.4	1.14	32.9	84.0	54.54	580.73
<b>Deltapine DP 449 BG/RR</b>	1061	36.1	4.5	1.13	32.2	83.3	54.11	573.36
Deltapine DP 455 BG/RR	1058	38.8	4.1	1.15	31.1	83.0	54.58	576.36
Deltapine DP 445 BG/RR	1029	37.1	4.4	1.14	32.4	83.6	54.69	562.42
<b>Mean</b>	<b>1147</b>	<b>37.2</b>	<b>4.4</b>	<b>1.14</b>	<b>31.5</b>	<b>83.5</b>	<b>54.30</b>	<b>623.96</b>
<b>LSD<sub>0.05</sub></b>	222	1.1	0.2	0.02	1.3	0.6	1.18	106.66
<b>CV (%)</b>	12.9	3.2	5.5	1.8	4.4	0.7	1.4	12.4

\*Not significantly different from highest yielder (p=0.05)

‡Medium maturity variety included for comparison purposes only.

*NOTE: Recommended varieties for this location are in boldface type and promising varieties are shaded.*

**TABLE 9. One-year performance of early maturing cotton varieties on a Norwood silt loam at Alexandria, La. (2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cent/lb	Gross Value \$/acre
†Syngenta DX25105N	1510*	40.4	4.5	1.16	29.8	83.2	54.51	823.49
‡Deltapine DP 555 BG/RR	1326*	41.3	4.4	1.14	26.7	82.7	54.21	718.70
Phytogen PHY 440W	1277	38.3	4.3	1.13	31.2	83.5	54.44	695.95
†Deltapine DPLX04Y170BR	1266	39.7	4.3	1.14	27.7	82.9	53.78	981.19
Phytogen PHY 310R	1233	39.6	4.4	1.11	31.1	82.9	54.01	665.69
Deltapine DP 454 BG/RR	1226	40.1	3.9	1.13	27.9	83.3	54.18	664.60
Phytogen PHY 370WR	1218	38.5	4.5	1.11	30.8	83.1	54.23	660.09
‡Stoneville ST 5599BR	1186	38.8	4.5	1.14	30.1	83.2	54.35	643.63
<b>Deltapine DP 432 RR</b>	1169	36.8	4.3	1.12	30.0	83.0	54.04	631.51
<b>Deltapine DP 444 BG/RR</b>	1168	37.5	3.9	1.11	28.4	82.7	53.24	621.07
Phytogen PHY 480WR	1162	37.1	4.4	1.16	32.0	84.2	54.80	637.07
Stoneville ST 4575BR	1153	38.2	4.1	1.12	31.6	82.8	54.29	625.73
<b>Phytogen PHY 410R</b>	1150	37.2	4.6	1.14	31.3	84.2	54.64	628.20
<b>Deltapine DP 424 BGII/RR</b>	1128	35.1	4.2	1.12	28.0	83.0	53.64	605.00
FiberMax FM 960 RR	1123	38.5	3.8	1.14	29.8	83.2	54.61	613.30
<b>FiberMax FM 958 LL</b>	1096	37.4	4.3	1.17	31.0	83.4	54.70	599.38
Phytogen PHY 470WR	1083	37.8	4.5	1.12	31.0	83.7	54.38	288.91
<b>FiberMax FM 960 BR</b>	1074	37.2	3.9	1.12	31.1	82.4	54.13	581.40
Stoneville ST 4686R	1072	37.5	4.2	1.11	32.1	82.8	54.10	578.76
<b>Deltapine DP 434 RR</b>	1052	37.4	3.8	1.15	28.0	82.6	54.30	571.42
Stoneville ST 5242BR	1051	36.9	4.3	1.12	28.4	82.9	53.95	567.03
FiberMax FM 960 B2R	1046	37.0	4.1	1.18	30.5	83.2	54.66	571.53
Deltapine DP 455 BG/RR	1019	38.3	3.9	1.14	29.2	82.4	54.38	553.70
FiberMax FM 966 LL	1012	35.8	4.1	1.12	31.6	83.8	54.55	551.27
Deltapine DP 445 BG/RR	945	37.1	4.3	1.13	32.0	82.6	54.51	515.27
<b>Deltapine DP 449 BG/RR</b>	905	35.4	4.4	1.11	29.3	82.3	53.54	483.74
†Syngenta DX2410420	893	36.5	3.9	1.15	30.7	83.0	54.83	489.33
<b>Mean</b>	<b>1131</b>	<b>37.8</b>	<b>4.2</b>	<b>1.13</b>	<b>30.0</b>	<b>83.1</b>	<b>54.26</b>	<b>613.61</b>
<b>LSD<sub>0.05</sub></b>	230	1.8	0.3	0.03	1.4	0.8	0.72	124.25
<b>CV (%)</b>	14.4	3.4	4.2	1.6	3.4	0.7	0.9	14.3

\*Not significantly different from highest yielder (p=0.05)

‡Medium maturity variety included for comparison purposes only.

†Experimental. Seed of this variety may or may not be available in 2006.

*NOTE: Recommended varieties for this location are in boldface type and promising varieties are shaded.*

## Alexandria Silt Loam Medium

**TABLE 10. Three-year performance of medium maturing cotton varieties on a Norwood silt loam at Alexandria, La. (2003, 2004 & 2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
<b>Deltapine DP 555 BG/RR</b>	1591*	42.6	4.5	1.14	30.2	82.7	54.25	862.39
<b>Stoneville ST 5599BR</b>	1356	39.7	4.5	1.14	31.3	83.2	53.26	724.72
‡Stoneville ST 5242BR	1346	39.6	4.5	1.13	29.9	83.6	54.18	729.94
<b>Deltapine DP 494 RR</b>	1332	40.4	4.5	1.17	33.1	83.8	54.77	729.62
FiberMax FM 991 BR	1235	37.4	4.5	1.15	34.3	83.5	54.52	672.47
FiberMax FM 832 LL	1213	38.7	4.0	1.20	32.0	83.9	54.67	661.30
Stoneville ST 5303R	1145	37.9	4.5	1.12	33.0	83.9	53.81	616.80
<b>Mean</b>	<b>1317</b>	<b>39.5</b>	<b>4.4</b>	<b>1.15</b>	<b>32.0</b>	<b>83.5</b>	<b>54.21</b>	<b>713.89</b>
<b>LSD<sub>0.05</sub></b>	136	2.8	0.1	0.02	1.2	0.8	0.51	74.26
<b>CV (%)</b>	12.7	3.4	4.3	2.4	4.9	1.0	1.2	12.8

\*Not significantly different from highest yielder (p=0.05)

‡Early maturity variety included for comparison purposes only.

*NOTE: Recommended varieties for this location are in boldface type.*

**TABLE 11. Two-year performance of medium maturing cotton varieties on a Norwood silt loam at Alexandria, La. (2004 & 2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
<b>Deltapine DP 555 BG/RR</b>	1554*	41.0	4.6	1.15	29.6	82.8	54.33	843.39
<b>Stoneville ST 5599BR</b>	1306	39.1	4.7	1.13	30.9	83.2	52.58	688.82
<b>Deltapine DP 494 RR</b>	1303	39.0	4.6	1.17	33.0	84.0	54.78	713.96
Stoneville ST 6636BR	1267	35.8	4.6	1.17	33.0	84.0	54.03	682.75
Deltapine DP 488 BG/RR	1266	38.0	4.4	1.18	31.2	83.1	54.49	689.40
‡Stoneville ST 5242BR	1261	38.3	4.6	1.13	29.9	83.5	54.07	682.55
Deltapine DP 543 BGII/RR	1244	38.2	4.7	1.14	30.9	83.0	54.00	671.91
FiberMax FM 800 B2R	1192	37.3	4.0	1.22	33.9	84.6	55.00	655.34
‡Deltapine DP 444 BG/RR	1156	38.4	4.2	1.13	30.0	83.2	54.13	624.27
FiberMax FM 991 BR	1146	36.3	4.6	1.16	34.9	83.7	54.78	627.39
Stoneville ST 5303R	1097	37.1	4.6	1.11	33.8	84.1	53.49	586.99
FiberMax FM 991 B2R	1078	35.6	4.6	1.19	33.8	84.0	54.84	590.94
FiberMax FM 832 LL	1048	36.9	3.9	1.21	32.0	84.0	54.87	575.09
Stoneville ST 6848R	1043	35.4	4.6	1.16	34.0	84.2	54.39	566.71
<b>Mean</b>	<b>1212</b>	<b>37.6</b>	<b>4.5</b>	<b>1.16</b>	<b>32.2</b>	<b>83.7</b>	<b>54.27</b>	<b>657.11</b>
<b>LSD<sub>0.05</sub></b>	158	1.1	0.2	0.02	1.1	0.6	0.69	89.47
<b>CV (%)</b>	12.5	3.2	3.8	1.7	3.6	0.8	1.3	12.8

\*Not significantly different from highest yielder (p=0.05)

‡Early maturity variety included for comparison purposes only.

*NOTE: Recommended varieties for this location are in boldface type.*

**TABLE 12. One-year performance of medium maturing cotton varieties on a Norwood silt loam at Alexandria, La. (2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
†Deltapine DPLX05X648DR	1540*	40.7	4.5	1.14	28.8	82.5	54.10	833.21
<b>Deltapine DP 555 BG/RR</b>	1538*	40.9	4.4	1.15	28.3	82.3	54.06	831.36
†Deltapine DPLX03X179R	1434*	41.1	4.4	1.17	32.3	84.6	54.85	786.53
<b>Stoneville ST 5599BR</b>	1363*	40.2	4.5	1.13	29.5	82.8	53.65	731.42
Deltapine DP 543 BGII/RR	1347*	38.8	4.5	1.13	29.2	82.4	54.00	727.44
<b>Deltapine DP 494 RR</b>	1345*	39.7	4.4	1.17	32.2	83.8	54.75	736.56
Deltapine DP 488 BG/RR	1300	38.4	4.2	1.17	29.5	82.5	54.21	704.99
Stoneville ST 6636BR	1279	35.6	4.3	1.16	31.3	83.3	54.70	699.49
‡Stoneville ST 5242BR	1254	39.1	4.5	1.12	28.7	83.6	53.86	675.27
FiberMax FM 800 B2R	1245	37.8	3.9	1.21	32.5	84.4	54.90	683.58
‡Deltapine DP 444 BG/RR	1220	39.1	4.0	1.11	28.5	82.4	53.45	652.88
FiberMax FM 991 BR	1163	36.0	4.3	1.15	33.2	82.9	54.70	635.99
Stoneville ST 5303R	1133	37.0	4.3	1.09	32.2	83.6	53.31	605.11
FiberMax FM 832 LL	1128	37.6	3.9	1.21	30.5	83.8	54.73	617.33
Stoneville ST 6848R	1090	35.3	4.3	1.14	32.4	83.8	54.66	595.45
FiberMax FM 991 B2R	1057	35.7	4.3	1.17	32.6	83.5	54.83	579.57
FiberMax 9166 B2LL	998	38.2	4.5	1.12	30.8	83.2	54.45	543.80
<b>Mean</b>	<b>1261</b>	<b>38.3</b>	<b>4.3</b>	<b>1.15</b>	<b>30.7</b>	<b>83.2</b>	<b>54.31</b>	<b>684.70</b>
<b>LSD<sub>0.05</sub></b>	196	1.3	0.3	0.03	1.4	0.9	0.66	107.17
<b>CV (%)</b>	10.9	2.4	4.4	1.6	3.1	0.8	0.9	11.0

\*Not significantly different from highest yielder (p=0.05)

‡Early maturity variety included for comparison purposes only.

†Experimental. Seed of this variety may or may not be available in 2006.

*NOTE: Recommended varieties for this location are in boldface type.*

## Alexandria Clay Early

**TABLE 13. Three-year performance of early maturing cotton varieties on a Moreland clay at Alexandria, La. (2003, 2004 & 2005). Fiber quality data were not collected in 2003.**

Variety	Lint	Lint
	lb/acre	percent
<b>Deltapine DP 434 RR</b>	1266*	40.0
<b>FiberMax FM 960 BR</b>	1248*	38.4
‡Deltapine DP 555 BG/RR	1192*	41.3
<b>FiberMax FM 958 LL</b>	1181*	37.6
‡Stoneville ST 5599BR	1163*	38.6
<b>Deltapine DP 432 RR</b>	1158*	37.5
<b>Deltapine DP 449 BG/RR</b>	1151*	37.5
<b>Deltapine DP 444 BG/RR</b>	1135*	39.1
Phytogen PHY 410R	1105*	37.8
Deltapine DP 424 BGII/RR	1003	34.7
<b>Mean</b>	<b>1160</b>	<b>38.2</b>
<b>LSD<sub>0.05</sub></b>	183	1.3
<b>CV (%)</b>	15.6	4.6

\*Not significantly different from highest yielder (p=0.05)

‡Medium maturity variety included for comparison purposes only.

*NOTE: Recommended varieties for this location are in boldface type.*

**TABLE 14. Two-year performance of early maturing cotton varieties on a Moreland clay at Alexandria, La. (2004 & 2005).**

Variety	Lint	Lint	Mike	UHM	Strength	UI	Loan Value	Gross Value
	lb/acre	percent		inches	g/tex	percent	cents/lb	\$/acre
<b>FiberMax FM 960 BR</b>	1272*	38.8	4.5	1.15	34.2	84.1	54.80	697.29
<b>FiberMax FM 958 LL</b>	1207*	38.1	4.5	1.19	33.3	84.4	54.81	661.32
<b>Deltapine DP 434 RR</b>	1202*	40.8	4.3	1.17	29.9	84.2	54.61	656.57
FiberMax FM 966 LL	1189*	37.2	4.3	1.16	34.3	84.6	54.89	652.80
‡Stoneville ST 5599BR	1145*	38.4	4.6	1.16	31.8	83.5	54.55	624.55
FiberMax FM 960 RR	1135*	39.5	4.0	1.17	32.2	84.0	54.82	622.07
FiberMax FM 960 B2R	1128*	38.6	4.4	1.20	32.6	83.9	54.74	617.56
Stoneville ST 5242BR	1111*	40.2	4.5	1.14	29.9	84.0	54.50	605.49
‡Deltapine DP 555 BG/RR	1111*	41.2	4.5	1.15	29.4	82.8	54.24	602.41
Phytogen PHY 410R	1105*	38.4	4.6	1.15	32.2	84.6	54.79	605.77
<b>Deltapine DP 449 BG/RR</b>	1096*	37.7	4.8	1.13	31.5	84.1	54.17	570.23
<b>Deltapine DP 432 RR</b>	1071*	38.4	4.9	1.13	32.0	83.8	53.06	570.19
Deltapine DP 455 BG/RR	1068*	39.2	4.3	1.16	31.5	83.3	54.51	581.57
Deltapine DP 445 BG/RR	1024*	39.8	4.7	1.17	33.8	84.9	54.81	560.89
<b>Deltapine DP 444 BG/RR</b>	996*	39.0	4.3	1.13	30.6	83.8	54.14	539.22
Stoneville ST 4575BR	993*	37.9	4.7	1.13	33.2	84.0	54.04	533.03
Stoneville ST 4686R	991*	39.1	4.7	1.17	31.7	84.0	54.07	540.47
Deltapine DP 424 BGII/RR	905	34.7	4.6	1.13	30.4	84.0	54.13	489.48
<b>Mean</b>	<b>1096</b>	<b>38.7</b>	<b>4.5</b>	<b>1.15</b>	<b>31.9</b>	<b>84.0</b>	<b>54.43</b>	<b>596.73</b>
<b>LSD<sub>0.05</sub></b>	284	1.8	0.1	0.01	0.8	0.5	0.43	151.35
<b>CV (%)</b>	18.3	4.8	3.2	1.2	2.7	0.7	0.8	18.6

\*Not significantly different from highest yielder (p=0.05)

‡Medium maturity variety included for comparison purposes only.

*NOTE: Recommended varieties for this location are in boldface type and promising varieties are shaded.*

**TABLE 15. One-year performance of early maturing cotton varieties on a Moreland clay at Alexandria, La. (2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cent/lb	Gross Value \$/acre
†Syngenta DX25105N	1361*	40.3	4.6	1.18	29.5	83.8	54.43	740.84
<b>FiberMax FM 960 BR</b>	1279*	37.9	4.4	1.15	32.1	83.9	54.75	700.49
Phytogen PHY 440W	1261*	39.1	4.4	1.16	31.0	83.9	54.65	688.96
<b>FiberMax FM 958 LL</b>	1195	38.0	4.5	1.20	30.7	84.1	54.70	653.36
Deltapine DP 455 BG/RR	1182	40.9	4.3	1.14	29.0	82.8	54.25	641.31
Phytogen PHY 370WR	1169	39.7	4.5	1.12	29.9	83.6	53.94	630.54
<b>Deltapine DP 434 RR</b>	1165	38.9	4.2	1.16	28.5	83.7	54.40	633.67
FiberMax FM 960 B2R	1150	38.4	4.4	1.18	30.5	83.4	54.65	628.60
†Deltapine DPLX04Y170BR	1148	39.7	4.6	1.15	29.1	83.4	54.23	622.36
Phytogen PHY 470WR	1134	39.0	4.4	1.13	29.5	84.2	54.18	614.26
Phytogen PHY 310R	1120	40.4	4.6	1.10	29.7	83.1	53.09	594.34
FiberMax FM 960 RR	1117	38.5	4.0	1.16	30.0	83.5	54.63	610.31
<b>FiberMax FM 966 LL</b>	1117	38.0	4.4	1.14	32.5	84.1	54.80	612.31
‡Deltapine DP 555 BG/RR	1116	42.2	4.5	1.13	26.9	82.0	53.74	599.84
<b>Deltapine DP 449 BG/RR</b>	1104	37.8	4.7	1.11	29.1	83.9	53.79	594.02
†Syngenta DX2410420	1088	37.8	4.5	1.15	30.4	83.7	54.61	594.07
Deltapine DP 445 BG/RR	1088	38.9	4.6	1.14	31.8	84.1	54.65	594.29
<b>Deltapine DP 432 RR</b>	1085	38.3	4.7	1.10	30.1	83.3	53.63	581.59
‡Stoneville ST 5599BR	1076	39.3	4.6	1.15	29.5	83.2	54.33	584.16
Stoneville ST 5242BR	1068	39.6	4.4	1.13	27.8	83.7	54.20	578.67
Phytogen PHY 480WR	1067	38.3	4.4	1.15	31.7	84.3	54.78	584.49
Phytogen PHY 410R	1030	38.9	4.5	1.14	30.6	84.2	54.68	563.23
<b>Deltapine DP 444 BG/RR</b>	989	39.2	4.1	1.11	27.8	83.1	53.46	528.68
Stoneville ST 4575BR	958	37.7	4.7	1.09	30.2	83.2	52.95	492.63
Deltapine DP 424 BGII/RR	948	35.3	4.5	1.10	28.7	83.4	53.41	506.67
Deltapine DP 454 BG/RR	936	41.8	4.1	1.11	27.7	83.0	53.91	504.65
Stoneville ST 4686R	905	39.2	4.6	1.12	31.1	83.2	54.10	484.14
<b>Mean</b>	<b>1106</b>	<b>39.0</b>	<b>4.5</b>	<b>1.14</b>	<b>29.8</b>	<b>83.5</b>	<b>54.19</b>	<b>600.69</b>
<b>LSD<sub>0.05</sub></b>	140	0.9	0.2	0.02	1.1	0.9	0.56	75.22
<b>CV (%)</b>	8.9	1.6	2.8	1.3	2.6	0.7	0.8	8.8

\*Not significantly different from highest yielder (p=0.05)

‡Medium maturity variety included for comparison purposes only.

†Experimental. Seed of this variety may or may not be available in 2006.

*NOTE: Recommended varieties for this location are in boldface type and promising varieties are shaded.*

## Alexandria Clay Medium

**TABLE 16. Three-year performance of medium maturing cotton varieties on a Norwood silt loam at Alexandria, La. (2003, 2004 & 2005). Fiber quality data were not collected in 2003.**

Variety	Lint	Lint
	lb/acre	percent
‡Stoneville ST 5242BR	1052*	37.6
<b>Stoneville ST 5599BR</b>	1026*	37.3
<b>Deltapine DP 555 BG/RR</b>	968*	39.0
<b>Deltapine DP 494 RR</b>	869	37.5
FiberMax FM 832 LL	835	35.7
FiberMax FM 991 BR	833	34.9
Stoneville ST 5303R	791	35.2
<b>Mean</b>	<b>911</b>	<b>36.8</b>
<b>LSD<sub>0.05</sub></b>	115	1.3
<b>CV (%)</b>	15.8	4.9

\*Not significantly different from highest yielder (p=0.05)

‡Early maturity variety included for comparison purposes only.

*NOTE: Recommended varieties for this location are in boldface type.*

**TABLE 17. Two-year performance of medium maturing cotton varieties on a Moreland at Alexandria, La. (2004 & 2005).**

Variety	Lint	Lint	Mike	UHM	Strength	UI	Loan Value	Gross Value
	lb/acre	percent		inches	g/tex	percent	cents/lb	\$/acre
‡Stoneville ST 5242BR	958*	37.0	4.4	1.13	29.3	83.3	54.13	518.02
<b>Stoneville ST 5599BR</b>	955*	37.6	4.4	1.15	31.6	83.4	54.52	520.34
‡Deltapine DP 444 BG/RR	854*	37.2	4.1	1.15	30.7	83.7	54.50	465.19
<b>Deltapine DP 555 BG/RR</b>	798*	37.8	4.3	1.14	29.7	82.4	54.03	430.38
FiberMax FM 991 B2R	760	33.5	4.0	1.18	32.0	83.5	54.71	415.74
Deltapine DP 543 BGII/RR	731	35.4	4.2	1.17	31.2	83.0	54.66	399.40
FiberMax FM 832 LL	727	35.5	3.9	1.21	32.8	83.8	54.93	399.50
<b>Deltapine DP 494 RR</b>	727	37.7	4.4	1.19	33.5	83.7	54.78	398.17
Deltapine DP 488 BG/RR	715	36.9	4.2	1.19	31.7	83.4	54.71	391.19
Stoneville ST 6636BR	700	33.5	4.5	1.16	32.2	83.7	53.60	375.23
FiberMax FM 800 B2R	669	35.3	4.0	1.22	33.0	84.2	54.91	367.42
FiberMax FM 991 BR	651	35.0	4.4	1.15	34.2	83.4	54.36	353.24
Stoneville ST 5303R	610	35.3	4.2	1.12	33.0	83.8	54.39	331.71
Stoneville ST 6848R	570	33.2	4.6	1.14	32.6	83.9	53.61	297.76
<b>Mean</b>	<b>745</b>	<b>35.8</b>	<b>4.2</b>	<b>1.16</b>	<b>32.0</b>	<b>83.5</b>	<b>54.42</b>	<b>405.48</b>
<b>LSD<sub>0.05</sub></b>	172	0.8	0.1	0.01	0.9	0.6	0.72	95.41
<b>CV (%)</b>	22.3	2.5	3.7	1.4	3.2	0.8	1.2	22.4

\*Not significantly different from highest yielder (p=0.05)

‡Early maturity variety included for comparison purposes only.

*NOTE: Recommended varieties for this location are in boldface type.*



**TABLE 18. One-year performance of medium maturing cotton varieties on a Moreland clay at Alexandria, La. (2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
‡Stoneville ST 5242BR	1178*	38.9	4.1	1.13	28.3	83.3	54.15	637.72
‡Deltapine DP 444 BG/RR	1048*	39.2	3.8	1.14	29.1	83.2	54.23	568.37
<b>Stoneville ST 5599BR</b>	1007*	39.5	4.1	1.13	29.4	82.9	54.26	546.03
FiberMax FM 991 B2R	791	39.2	3.7	1.16	30.3	83.0	54.53	431.41
†Deltapine DPLX05X648DR	777	38.3	4.0	1.16	29.3	82.5	54.45	423.09
†Deltapine DPLX03X179R	765	39.7	3.9	1.17	31.4	84.3	55.01	421.07
<b>Deltapine DP 494 RR</b>	755	39.2	4.1	1.19	31.7	82.9	54.70	413.24
FiberMax 9166 B2LL	736	38.1	4.1	1.14	30.7	82.7	54.66	402.21
<b>Deltapine DP 555 BG/RR</b>	711	39.6	3.8	1.14	28.2	81.8	54.21	385.44
FiberMax FM 800 B2R	711	38.8	3.9	1.21	30.6	84.0	54.76	389.66
FiberMax FM 832 LL	689	38.7	3.9	1.20	30.5	83.6	54.83	377.67
Stoneville ST 6636BR	685	35.3	3.9	1.15	30.2	82.9	54.64	374.09
Stoneville ST 5303R	672	36.3	3.8	1.12	31.1	83.3	54.38	365.13
Deltapine DP 543 BGII/RR	670	37.1	4.0	1.17	29.7	82.6	54.58	365.73
Deltapine DP 488 BG/RR	624	38.3	4.0	1.17	29.8	82.8	54.65	341.28
Stoneville ST 6848R	508	35.7	4.2	1.13	30.7	83.2	54.38	276.14
FiberMax FM 991 BR	467	36.7	4.0	1.13	31.8	82.8	54.66	255.58
<b>Mean</b>	<b>753</b>	<b>37.9</b>	<b>3.9</b>	<b>1.15</b>	<b>30.2</b>	<b>83.0</b>	<b>54.53</b>	<b>410.23</b>
<b>LSD<sub>0.05</sub></b>	172	0.9	0.2	0.02	1.4	0.9	0.44	88.07
<b>CV (%)</b>	16.0	1.6	3.8	1.2	3.2	0.8	0.5	16.0

\*Not significantly different from highest yielder (p=0.05)

‡Early maturity variety included for comparison purposes only.

†Experimental. Seed of this variety may or may not be available in 2006.

*NOTE: Recommended varieties for this location are in boldface type.*

## Bossier City Early

**TABLE 19. Three-year performance of early maturing cotton varieties on a Norwood silt loam at Bossier City, La. (2003, 2004 & 2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
‡Deltapine DP 555 BG/RR	1649*	41.7	4.7	1.11	28.2	82.3	52.32	863.20
‡Stoneville ST 5599BR	1578*	39.7	4.8	1.12	28.9	82.7	52.48	854.07
<b>Deltapine DP 444 BG/RR</b>	1549	39.9	4.2	1.12	28.5	83.2	53.61	827.87
<b>Deltapine DP 449 BG/RR</b>	1512	38.5	4.4	1.11	30.2	83.0	53.50	801.21
<b>FiberMax FM 960 BR</b>	1502	38.1	4.5	1.11	31.8	83.4	53.65	811.37
<b>Deltapine DP 432 RR</b>	1466	38.9	4.6	1.09	30.2	83.5	52.97	789.21
<b>Deltapine DP 424 BGII/RR</b>	1430	36.4	4.5	1.11	28.8	83.3	53.36	756.90
<b>Deltapine DP 434 RR</b>	1402	40.4	4.4	1.14	28.8	83.3	54.12	756.96
<b>Phytogen PHY 410R</b>	1373	37.9	4.7	1.11	30.5	83.6	53.28	741.45
<b>Mean</b>	<b>1495</b>	<b>39.1</b>	<b>4.5</b>	<b>1.11</b>	<b>29.5</b>	<b>83.1</b>	<b>53.26</b>	<b>799.97</b>
<b>LSD<sub>0.05</sub></b>	96	0.7	0.1	0.02	0.7	0.5	1.03	56.05
<b>CV (%)</b>	8.8	2.9	3.7	1.6	3.2	0.7	2.1	8.2

\*Not significantly different from highest yielder (p=0.05)

‡Medium maturity variety included for comparison purposes only.

NOTE: Due to early-season glyphosate drift injury in 2005, non-RR varieties have been excluded from the analysis at this location. Please refer to other Louisiana locations and the cross-location tables for information on these varieties. *Recommended varieties for this location are in boldface type.*

**TABLE 20. Two-year performance of early maturing cotton varieties on a Norwood silt loam at Bossier City, La. (2004 & 2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
‡Deltapine DP 555 BG/RR	1568*	40.0	4.6	1.12	28.4	82.5	53.03	840.72
Stoneville ST 5242BR	1564*	38.2	4.5	1.11	27.8	83.0	53.26	833.64
‡Stoneville ST 5599BR	1560*	38.6	4.8	1.12	29.0	82.6	52.93	840.71
<b>Deltapine DP 444 BG/RR</b>	1531*	38.5	4.2	1.12	28.4	83.3	53.65	811.69
<b>Deltapine DP 449 BG/RR</b>	1487*	37.4	4.4	1.12	30.0	83.0	53.67	802.35
<b>FiberMax FM 960 BR</b>	1464*	36.7	4.5	1.12	31.7	83.2	54.01	808.79
Stoneville ST 4686R	1455*	37.4	4.5	1.12	30.1	83.1	53.44	789.54
FiberMax FM 960 B2R	1429	38.0	4.4	1.17	30.1	83.4	54.22	780.57
Deltapine DP 455 BG/RR	1413	39.0	4.2	1.12	29.3	82.5	53.61	749.30
<b>Deltapine DP 424 BGII/RR</b>	1400	35.2	4.4	1.11	28.5	83.1	53.29	732.88
<b>Phytogen PHY 410R</b>	1390	36.5	4.7	1.12	30.3	83.5	53.50	756.22
<b>Deltapine DP 432 RR</b>	1385	37.2	4.5	1.09	29.6	83.3	53.05	764.65
FiberMax FM 960 RR	1370	38.0	4.3	1.13	30.3	83.3	53.67	739.01
Deltapine DP 445 BG/RR	1362	38.5	4.4	1.14	31.0	83.2	54.32	741.58
<b>Deltapine DP 434 RR</b>	1361	38.8	4.4	1.15	28.6	83.2	54.11	737.58
Stoneville ST 4575BR	1355	37.9	4.4	1.12	30.1	83.1	53.66	721.74
<b>Mean</b>	<b>1443</b>	<b>37.9</b>	<b>4.4</b>	<b>1.12</b>	<b>29.6</b>	<b>83.1</b>	<b>53.59</b>	<b>774.66</b>
<b>LSD<sub>0.05</sub></b>	126	1.0	0.2	0.02	0.9	0.7	0.98	82.98
<b>CV (%)</b>	9.2	2.9	3.9	1.5	3.2	0.7	1.5	9.2

\*Not significantly different from highest yielder (p=0.05)

‡Medium maturity variety included for comparison purposes only.

NOTE: Because of early-season glyphosate drift injury in 2005, non-RR varieties have been excluded from the analysis at this location. Please refer to other Louisiana locations and the cross-location tables for information on these varieties. *Recommended varieties for this location are in boldface type and promising varieties are shaded.*

**TABLE 21. One-year performance of early maturing cotton varieties on a Norwood silt loam at Bossier City, La. (2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cent/lb	Gross Value \$/acre
‡Deltapine DP 555 BG/RR	1711*	39.0	4.6	1.08	26.5	81.7	51.58	893.52
<b>Deltapine DP 449 BG/RR</b>	1669*	36.5	4.3	1.09	28.5	82.5	52.64	908.58
†Deltapine DPLX04Y170BR	1667*	38.1	4.6	1.08	27.3	82.2	51.99	877.76
‡Stoneville ST 5599BR	1667*	37.9	5.0	1.09	27.6	82.5	51.35	902.10
<b>Deltapine DP 424 BGII/RR</b>	1630*	35.8	4.4	1.08	27.7	83.0	52.28	839.17
Phytogen PHY 470WR	1575*	37.0	4.7	1.09	29.7	83.5	52.88	874.54
Deltapine DP 454 BG/RR	1571*	40.5	4.3	1.05	26.8	82.0	50.46	814.88
<b>Deltapine DP 444 BG/RR</b>	1569*	37.4	4.2	1.09	27.3	83.0	52.69	848.66
Stoneville ST 5242BR	1565*	38.0	4.6	1.08	26.7	82.4	52.40	849.60
Phytogen PHY 310R	1557*	38.8	4.6	1.06	28.8	82.1	50.36	799.85
Phytogen PHY 480WR	1553*	35.1	4.6	1.11	30.8	83.7	53.78	854.87
FiberMax FM 960 RR	1548*	37.6	4.2	1.09	28.4	82.5	52.58	848.47
<b>Deltapine DP 432 RR</b>	1531*	37.1	4.4	1.08	29.2	83.2	52.39	829.41
Phytogen PHY 370WR	1530*	38.0	4.6	1.06	28.4	82.6	51.40	822.98
Stoneville ST 4575BR	1523*	38.2	4.4	1.09	29.9	82.5	52.78	820.14
Stoneville ST 4686R	1520*	38.0	4.4	1.08	30.2	82.4	52.34	807.17
<b>Deltapine DP 434 RR</b>	1511*	38.7	4.3	1.13	28.1	82.6	83.83	829.14
Deltapine DP 445 BG/RR	1508*	38.5	4.3	1.11	30.4	82.6	53.93	817.44
<b>Phytogen PHY 410R</b>	1500*	36.5	4.8	1.10	29.8	83.1	53.15	826.30
Deltapine DP 455 BG/RR	1497*	38.3	4.0	1.10	27.9	81.5	52.48	777.07
<b>FiberMax FM 960 BR</b>	1477*	36.2	4.4	1.10	30.6	82.8	53.25	812.47
FiberMax FM 960 B2R	1462	36.7	4.5	1.12	28.6	82.4	53.59	796.01
<b>Mean</b>	<b>1560</b>	<b>37.6</b>	<b>4.4</b>	<b>1.09</b>	<b>28.6</b>	<b>82.6</b>	<b>52.45</b>	<b>838.07</b>
<b>LSD<sub>0.05</sub></b>	239	1.7	0.2	0.02	0.9	0.8	1.38	170.37
<b>CV (%)</b>	7.8	3.1	2.7	1.5	2.6	0.6	1.8	8.0

\*Not significantly different from highest yielder (p=0.05)

‡Medium maturity variety included for comparison purposes only.

†Experimental. Seed of this variety may or may not be available in 2006.

NOTE: Because of early-season glyphosate drift injury in 2005, non-RR varieties have been excluded from the analysis at this location. Please refer to other Louisiana locations and the cross-location tables for information on these varieties. *Recommended varieties for this location are in boldface type and promising varieties are shaded.*

## Bossier City Medium

**TABLE 22. Three-year performance of medium maturing cotton varieties on a Norwood silt loam at Bossier City, La. (2003, 2004 & 2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
<b>Stoneville ST 5599BR</b>	1574*	39.8	4.9	1.11	29.5	83.0	52.65	814.73
‡Stoneville ST 5242BR	1488*	40.1	4.5	1.10	28.4	83.2	52.99	769.24
<b>Deltapine DP 555 BG/RR</b>	1485*	42.2	4.7	1.11	28.2	82.3	53.01	786.46
<b>Deltapine DP 494 RR</b>	1383	40.1	4.8	1.16	32.1	83.5	54.20	754.21
FiberMax FM 991 BR	1304	37.4	4.5	1.13	32.9	83.0	54.42	716.12
Stoneville ST 5303R	1282	38.0	4.7	1.09	32.5	84.0	53.09	676.16
FiberMax FM 832 LL	1271	37.2	4.3	1.18	31.7	84.2	54.80	696.49
<b>Mean</b>	<b>1398</b>	<b>39.3</b>	<b>4.6</b>	<b>1.13</b>	<b>30.7</b>	<b>83.3</b>	<b>53.59</b>	<b>744.77</b>
<b>LSD<sub>0.05</sub></b>	109	0.7	0.1	0.01	0.8	0.5	0.83	83.75
<b>CV (%)</b>	10.9	2.3	3.7	1.7	3.5	0.7	1.9	12.1

\*Not significantly different from highest yielder (p=0.05)

‡Early maturity variety included for comparison purposes only.

*NOTE: Recommended varieties for this location are in boldface type.*

**TABLE 23. Two-year performance of medium maturing cotton varieties on a Norwood silt loam at Bossier City, La. (2004 & 2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
<b>Stoneville ST 5599BR</b>	1451*	38.5	4.8	1.12	29.6	82.9	53.13	771.00
<b>Deltapine DP 488 BG/RR</b>	1418*	38.9	4.7	1.18	30.6	83.4	54.43	760.24
<b>Deltapine DP 555 BG/RR</b>	1391*	41.0	4.7	1.11	28.0	82.3	52.98	735.50
‡Stoneville ST 5242BR	1367*	38.6	4.5	1.11	28.2	83.3	53.47	718.93
‡Deltapine DP 444 BG/RR	1335	38.7	4.2	1.12	28.4	83.0	53.70	720.45
<b>Deltapine DP 494 RR</b>	1322	38.9	4.8	1.16	31.2	83.3	54.36	730.64
Stoneville ST 5303R	1273	36.6	4.7	1.11	32.2	83.9	53.76	679.39
FiberMax FM 800 B2R	1263	37.7	4.2	1.19	30.9	83.6	54.66	682.96
Deltapine DP 543 BGII/RR	1250	37.3	4.8	1.13	29.2	82.6	52.96	653.67
FiberMax FM 832 LL	1225	36.1	4.2	1.18	31.4	84.0	54.76	674.10
FiberMax FM 991 B2R	1220	35.7	4.1	1.16	30.7	83.1	54.43	676.21
Stoneville ST 6636BR	1213	35.1	4.5	1.16	30.6	83.3	54.51	658.96
FiberMax FM 991 BR	1210	36.2	4.5	1.14	32.6	82.8	54.43	651.31
Stoneville ST 6848R	1047	34.3	4.6	1.15	31.7	83.6	54.68	563.81
<b>Mean</b>	<b>1284</b>	<b>37.4</b>	<b>4.5</b>	<b>1.14</b>	<b>30.4</b>	<b>83.2</b>	<b>54.02</b>	<b>691.23</b>
<b>LSD<sub>0.05</sub></b>	104	0.8	0.2	0.02	0.8	0.6	0.72	69.17
<b>CV (%)</b>	9.6	2.4	3.9	1.6	3.1	0.8	1.4	10.0

\*Not significantly different from highest yielder (p=0.05)

‡Early maturity variety included for comparison purposes only.

*NOTE: Recommended varieties for this location are in boldface type and promising varieties are shaded.*

**TABLE 24. One-year performance of medium maturing cotton varieties on a Norwood silt loam at Bossier City, La. (2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
†Deltapine DPLX03X179R	1575*	40.4	4.9	1.14	31.0	83.3	53.75	833.51
<b>Stoneville ST 5599BR</b>	1402	38.6	4.9	1.09	27.2	82.0	52.29	744.80
FiberMax FM 800 B2R	1339	37.3	4.2	1.16	29.9	82.6	54.36	725.12
FiberMax 9166 B2LL	1296	36.6	4.7	1.09	30.9	82.6	52.74	673.37
<b>Deltapine DP 494 RR</b>	1283	38.1	4.8	1.13	29.5	82.3	53.91	730.34
Deltapine DP 488 BG/RR	1263	37.6	4.7	1.15	29.1	82.3	54.01	644.11
‡Stoneville ST 5242BR	1263	38.4	4.5	1.10	27.3	82.5	52.83	669.36
‡Deltapine DP 444 BG/RR	1237	38.4	4.2	1.10	26.8	82.4	52.98	655.02
†Deltapine DPLX05X648DR	1208	39.2	4.9	1.07	26.2	81.4	50.81	606.24
Stoneville ST 5303R	1201	36.1	4.7	1.09	30.7	82.9	52.91	619.22
<b>Deltapine DP 555 BG/RR</b>	1184	40.2	4.7	1.08	26.3	81.6	51.56	611.46
Stoneville ST 6636BR	1169	35.4	4.6	1.14	29.0	82.8	54.16	644.90
FiberMax FM 991 BR	1147	36.1	4.4	1.11	31.5	82.1	54.05	611.29
FiberMax FM 832 LL	1131	35.2	4.2	1.16	30.3	83.5	54.64	615.42
FiberMax FM 991 B2R	1099	36.1	4.1	1.13	28.7	82.2	54.14	613.96
Deltapine DP 543 BGII/RR	1067	36.4	4.7	1.11	27.5	81.9	53.05	568.86
Stoneville ST 6848R	999	34.2	4.6	1.13	30.5	83.3	54.39	543.03
Beltwide XBCG 1504	974	35.5	4.2	1.15	30.0	82.3	54.41	552.68
<b>Mean</b>	<b>1213</b>	<b>37.2</b>	<b>4.5</b>	<b>1.12</b>	<b>29.0</b>	<b>82.4</b>	<b>53.39</b>	<b>647.93</b>
<b>LSD<sub>0.05</sub></b>	151	1.3	0.2	0.02	1.1	0.8	1.19	94.94
<b>CV (%)</b>	10.3	2.6	3.2	1.2	2.8	0.7	1.6	10.3

\*Not significantly different from highest yielder (p=0.05)

‡Early maturity variety included for comparison purposes only.

†Experimental. Seed of this variety may or may not be available in 2006.

*NOTE: Recommended varieties for this location are in boldface type and promising varieties are shaded.*

## St. Joe Commerce Early

**TABLE 25. Three-year performance of early maturing cotton varieties on a Commerce silt loam at St. Joseph, La. (2003, 2004 & 2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
<b>Deltapine DP 393</b>	1344*	38.2	4.6	1.16	31.8	84.0	54.64	744.20
<b>Deltapine DP 432 RR</b>	1342*	37.4	4.5	1.12	30.4	83.0	53.48	726.82
<b>Stoneville ST 4892BR</b>	1327*	38.3	4.7	1.12	30.3	83.5	53.42	716.48
‡Stoneville ST 5599BR	1315*	37.8	4.5	1.14	29.6	82.7	54.13	718.45
‡Deltapine DP 555 BG/RR	1303*	40.6	4.4	1.12	28.3	82.2	53.31	700.14
<b>Deltapine DP 434 RR</b>	1293*	38.7	4.2	1.16	28.1	83.2	54.17	691.97
Deltapine DP 444 BG/RR	1199	38.5	4.2	1.13	29.6	83.3	53.76	645.63
Deltapine DP 424 BGII/RR	1184	35.6	4.6	1.12	28.9	83.3	53.48	647.09
Deltapine DP 449 BG/RR	1171	37.2	4.5	1.13	30.9	83.3	54.14	642.26
FiberMax FM 960 BR	1157	36.5	4.4	1.14	32.7	83.4	54.27	635.26
Phytogen PHY 410R	1138	36.5	4.5	1.14	31.0	84.2	54.28	616.72
FiberMax FM 958 LL	1051	36.4	4.5	1.18	32.1	83.6	54.60	559.17
<b>Mean</b>	<b>1237</b>	<b>37.7</b>	<b>4.4</b>	<b>1.14</b>	<b>30.3</b>	<b>83.3</b>	<b>53.94</b>	<b>670.95</b>
<b>LSD<sub>0.05</sub></b>	117	0.7	0.1	0.01	0.7	0.5	0.92	85.72
<b>CV (%)</b>	11.7	2.3	3.6	1.5	2.7	0.7	1.6	12.8

\*Not significantly different from highest yielder (p=0.05) ‡ Medium maturity variety included for comparison purposes only.

NOTE: Recommended varieties for this location are in boldface type.

**TABLE 26. Two-year performance of early maturing cotton varieties on a Commerce silt loam at St. Joseph, La. (2004 & 2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
<b>Deltapine DP 432 RR</b>	1425*	37.9	4.6	1.13	30.7	83.0	53.24	759.27
<b>Deltapine DP 393</b>	1420*	38.7	4.5	1.17	31.8	84.2	54.62	777.54
<b>Stoneville ST 4892BR</b>	1402*	38.8	4.7	1.13	30.5	83.5	53.33	748.51
‡Stoneville ST 5599BR	1378*	37.9	4.5	1.15	29.7	83.0	54.14	747.00
Deltapine DP 445 BG/RR	1300*	39.0	4.4	1.15	32.1	84.3	54.63	710.44
‡Deltapine DP 555 BG/RR	1299*	40.4	4.4	1.12	28.3	82.4	53.21	692.58
Stoneville ST 5242BR	1291*	37.9	4.6	1.11	29.2	83.6	53.39	690.30
<b>Deltapine DP 434 RR</b>	1258	39.2	4.2	1.16	27.9	83.0	54.14	681.47
Deltapine DP 424 BGII/RR	1257	36.2	4.6	1.12	28.9	83.5	53.36	670.50
Deltapine DP 455 BG/RR	1246	38.9	4.2	1.16	31.1	83.1	54.36	677.48
Stoneville ST 4575BR	1245	38.3	4.5	1.12	30.8	83.0	53.40	670.19
FiberMax FM 960 B2R	1213	37.6	4.4	1.18	31.5	84.0	54.76	664.96
Deltapine DP 449 BG/RR	1204	37.6	4.4	1.14	31.2	83.4	54.13	653.84
FiberMax FM 960 BR	1200	37.2	4.4	1.14	32.7	83.4	54.16	654.18
Deltapine DP 444 BG/RR	1182	38.8	4.2	1.13	29.7	83.3	53.76	636.55
Phytogen PHY 410R	1142	36.5	4.5	1.14	30.9	84.2	54.23	620.34
Stoneville ST 4686R	1105	38.1	4.4	1.13	30.6	82.8	53.88	598.86
FiberMax FM 966 LL	1087	36.4	4.4	1.14	32.4	83.7	54.35	591.82
FiberMax FM 960 RR	1021	38.0	4.1	1.16	31.2	83.5	54.33	555.30
FiberMax FM 958 LL	1014	36.5	4.4	1.17	32.3	83.7	54.61	554.52
<b>Mean</b>	<b>1235</b>	<b>38.0</b>	<b>4.4</b>	<b>1.14</b>	<b>30.7</b>	<b>83.4</b>	<b>53.99</b>	<b>667.81</b>
<b>LSD<sub>0.05</sub></b>	162	0.8	0.2	0.02	0.8	0.5	0.87	87.13
<b>CV (%)</b>	12.8	2.3	3.7	1.5	2.9	0.7	1.5	12.6

\*Not significantly different from highest yielder (p=0.05) ‡Medium maturity variety included for comparison purposes only.

NOTE: Recommended varieties for this location are in boldface type.

**TABLE 27. One-year performance of early maturing cotton varieties on a Commerce silt loam at St. Joseph, La. (2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cent/lb	Gross Value \$/acre
†Syngenta DX25105N	1355*	40.1	4.7	1.11	28.1	82.8	53.38	723.74
<b>Deltapine DP 432 RR</b>	1304*	38.4	4.8	1.09	30.1	82.6	51.81	673.05
Phytogen PHY 440W	1303*	38.5	4.5	1.11	29.5	83.2	53.14	692.56
†Deltapine DPLX04Y170BR	1273*	38.9	4.5	1.10	28.4	82.2	53.18	677.50
<b>Stoneville ST 4892BR</b>	1263*	38.9	4.8	1.09	29.2	83.1	51.93	653.13
Deltapine DP 424 BGII/RR	1245*	36.3	4.8	1.08	27.7	82.7	52.11	647.90
‡Stoneville ST 5599BR	1237*	38.9	4.7	1.11	28.7	82.2	53.59	662.79
Deltapine DP 455 BG/RR	1216*	38.7	4.3	1.12	29.4	82.5	53.79	653.60
Stoneville ST 5242BR	1214*	38.1	4.6	1.07	28.3	83.2	52.16	634.00
<b>Deltapine DP 434 RR</b>	1200*	40.0	4.3	1.12	26.9	82.0	53.70	645.10
‡Deltapine DP 555 BG/RR	1178*	40.2	4.6	1.08	26.9	81.8	51.92	611.22
FiberMax FM 960 B2R	1171*	37.8	4.6	1.14	30.3	83.4	54.60	639.31
Deltapine DP 445 BG/RR	1165*	38.6	4.5	1.12	31.7	83.9	54.39	633.19
Phytogen PHY 480WR	1127*	36.5	4.6	1.12	30.9	83.5	54.34	612.36
Phytogen PHY 370WR	1100	38.4	4.7	1.08	29.5	82.7	51.94	571.29
<b>Deltapine DP 393</b>	1096	39.2	4.6	1.12	31.1	83.4	54.32	596.34
FiberMax FM 960 BR	1008	36.7	4.6	1.10	31.5	83.2	53.49	541.86
Phytogen PHY 310R	1003	39.5	4.7	1.08	29.3	82.6	51.80	514.28
Deltapine DP 444 BG/RR	998	38.8	4.2	1.10	28.3	82.5	52.69	524.20
Phytogen PHY 470WR	997	36.3	4.6	1.09	30.3	83.4	53.33	531.86
FiberMax FM 966 LL	994	35.9	4.5	1.10	31.5	83.2	53.75	535.01
Deltapine DP 449 BG/RR	993	37.5	4.7	1.10	29.4	82.6	53.30	527.82
†Syngenta DX2410420	977	36.5	4.3	1.13	29.9	82.6	53.90	526.62
FiberMax FM 960 RR	947	38.2	4.3	1.12	29.5	82.8	53.71	508.71
Phytogen PHY 410R	937	36.7	4.6	1.10	30.7	83.9	53.74	503.46
†Syngenta DX 24706	919	37.8	4.8	1.08	28.0	82.5	51.71	473.39
Stoneville ST 4575BR	905	38.6	4.7	1.07	30.4	82.5	52.10	469.76
Paymaster PM 2167 RR	873	35.2	4.8	1.02	27.4	82.4	49.16	429.34
FiberMax FM 958 LL	798	36.3	4.6	1.14	29.4	82.4	54.20	432.13
Stoneville ST 4686R	791	38.2	4.5	1.10	31.3	82.4	53.29	423.84
Phytogen PHY 72	652	35.9	4.6	1.18	33.8	83.0	54.66	356.41
Deltapine DP 454 BG/RR	635	40.4	4.1	1.07	27.7	82.3	51.48	327.05
<b>Mean</b>	<b>1065</b>	<b>38.0</b>	<b>4.6</b>	<b>1.10</b>	<b>29.5</b>	<b>82.8</b>	<b>53.00</b>	<b>563.79</b>
<b>LSD<sub>0.05</sub></b>	235	1.3	0.2	0.02	1.0	0.8	1.52	122.38
<b>CV (%)</b>	15.1	2.5	3.1	1.5	2.7	0.7	2.0	14.9

\*Not significantly different from highest yielder (p=0.05)

‡Medium maturity variety included for comparison purposes only.

†Experimental. Seed of this variety may or may not be available in 2006.

*NOTE: Recommended varieties for this location are in boldface type.*

## St. Joe Commerce Medium

**TABLE 28. Three-year performance of medium maturing cotton varieties on a Commerce silt loam at St. Joseph, La, (2003, 2004 & 2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
<b>Deltapine DP 555 BG/RR</b>	1280*	41.4	4.5	1.10	27.7	81.7	52.68	667.41
<b>Stoneville ST 5599BR</b>	1228*	38.5	4.5	1.12	28.8	82.5	53.36	661.17
‡Stoneville ST 5242BR	1222*	37.6	4.5	1.10	28.1	82.7	52.63	649.76
<b>Stoneville ST 5303R</b>	1212*	37.4	4.6	1.11	31.7	83.3	53.77	672.68
<b>FiberMax FM 832 LL</b>	1123	36.2	4.1	1.20	30.7	83.6	54.75	606.69
Deltapine DP 494 RR	1100	39.2	4.6	1.17	32.2	83.2	54.37	585.17
FiberMax FM 991 BR	1097	36.6	4.5	1.14	32.4	82.7	53.62	599.78
<b>Mean</b>	<b>1182</b>	<b>38.2</b>	<b>4.5</b>	<b>1.13</b>	<b>30.2</b>	<b>82.8</b>	<b>53.60</b>	<b>635.25</b>
<b>LSD<sub>0.05</sub></b>	100	0.7	0.1	0.01	0.6	0.5	0.88	72.06
<b>CV (%)</b>	9.7	2.3	3.2	1.5	2.7	0.7	1.9	10.5

\*Not significantly different from highest yielder (p=0.05)

‡Early maturity variety included for comparison purposes only.

*NOTE: Recommended varieties for this location are in boldface type.*

**TABLE 29. Two-year performance of medium maturing cotton varieties on a Commerce silt loam at St. Joseph, La. (2004 & 2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
<b>Stoneville ST 5303R</b>	1319*	37.9	4.6	1.11	31.8	83.5	53.74	713.60
<b>Stoneville ST 5599BR</b>	1269*	38.7	4.5	1.12	28.6	82.7	53.32	680.43
<b>Deltapine DP 555 BG/RR</b>	1251*	41.5	4.5	1.10	27.6	81.6	52.64	661.78
<b>Deltapine DP 543 BGII/RR</b>	1228*	38.1	4.5	1.12	28.5	82.2	53.59	660.56
‡Stoneville ST 5242BR	1223*	37.7	4.5	1.10	28.1	82.8	52.76	652.56
‡Deltapine DP 444 BG/RR	1183	38.6	4.1	1.14	29.3	83.4	53.72	642.66
FiberMax FM 991 BR	1163	36.9	4.5	1.14	32.7	82.9	53.46	630.12
<b>FiberMax FM 832 LL</b>	1147	36.5	4.1	1.20	30.6	83.6	54.71	627.84
Deltapine DP 488 BG/RR	1140	38.5	4.4	1.17	30.5	82.9	54.45	621.44
Stoneville ST 6636BR	1134	36.5	4.6	1.16	30.6	83.3	54.35	617.68
Deltapine DP 494 RR	1111	39.3	4.6	1.16	32.0	83.2	54.27	604.25
FiberMax FM 991 B2R	1017	36.2	4.2	1.16	30.9	82.6	54.44	554.49
FiberMax FM 800 B2R	1005	37.3	4.1	1.17	31.0	83.6	54.68	550.20
Stoneville ST 6848R	956	36.4	4.7	1.16	32.4	83.7	54.64	522.86
<b>Mean</b>	<b>1150</b>	<b>37.9</b>	<b>4.4</b>	<b>1.14</b>	<b>30.3</b>	<b>83.0</b>	<b>53.91</b>	<b>622.56</b>
<b>LSD<sub>0.05</sub></b>	127	0.8	0.1	0.02	0.7	0.5	0.70	72.69
<b>CV (%)</b>	10.7	2.3	3.6	1.6	2.7	0.7	1.4	10.8

\*Not significantly different from highest yielder (p=0.05)

‡Early maturity variety included for comparison purposes only.

*NOTE: Recommended varieties for this location are in boldface type and promising varieties are shaded.*



**TABLE 30. One-year performance of medium maturing cotton varieties on a Commerce silt loam at St. Joseph, La. (2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
<b>Deltapine DP 555 BG/RR</b>	1047*	41.7	4.7	1.06	25.7	80.8	51.15	535.62
†Deltapine DPLX05X648DR	1005*	40.5	4.7	1.07	25.6	80.9	51.15	514.37
Deltapine DP 543 BGII/RR	996*	38.3	4.8	1.10	27.2	81.3	52.70	522.70
<b>Stoneville ST 5303R</b>	992*	38.3	4.8	1.08	30.9	83.2	52.99	527.86
FiberMax FM 991 BR	963*	36.6	4.9	1.10	31.2	82.2	52.00	508.49
Deltapine DP 488 BG/RR	902	38.0	4.7	1.14	28.5	82.3	54.00	486.96
<b>Stoneville ST 5599BR</b>	889	38.8	4.7	1.09	27.8	82.0	52.35	465.44
FiberMax FM 991 B2R	882	36.0	4.4	1.12	29.8	81.6	53.98	475.88
Deltapine DP 494 RR	847	39.0	4.8	1.15	30.5	82.6	53.69	453.81
<b>FiberMax FM 832 LL</b>	846	36.2	4.2	1.18	29.4	83.1	54.44	459.64
FiberMax 9166 B2LL	831	38.1	4.9	1.08	29.4	82.0	50.94	413.47
FiberMax FM 800 B2R	817	37.9	4.2	1.15	29.8	82.8	54.48	445.04
Beltwide XBCG 1504	805	36.7	4.3	1.12	28.0	81.2	53.84	433.58
‡Stoneville ST 5242BR	804	38.2	4.6	1.06	26.2	82.0	51.21	409.37
‡Deltapine DP 444 BG/RR	751	39.3	4.2	1.09	27.5	82.2	52.50	394.85
Stoneville ST 6636BR	736	36.5	4.8	1.13	29.2	82.7	53.99	397.39
Stoneville ST 6848R	671	36.0	4.9	1.13	31.3	83.2	54.40	365.01
†Deltapine DPLX03X179R	**	40.3	4.8	1.12	30.1	83.2	53.44	**
<b>Mean</b>	<b>868</b>	<b>38.1</b>	<b>4.6</b>	<b>1.11</b>	<b>28.8</b>	<b>82.2</b>	<b>52.96</b>	<b>460.22</b>
<b>LSD<sub>0.05</sub></b>	112	1.2	0.2	0.02	1.0	0.7	1.62	66.74
<b>CV (%)</b>	8.6	2.2	2.7	1.4	2.7	0.7	2.1	8.9

\*Not significantly different from highest yielder (p=0.05)

‡Early maturity variety included for comparison purposes only.

†Experimental. Seed of this variety may or may not be available in 2006.

\*\*Data missing.

*NOTE: Recommended varieties for this location are in boldface type and promising varieties are shaded.*

## St. Joe Sharkey Early

**TABLE 31. Three-year performance of early maturing cotton varieties on a Sharkey clay at St. Joseph, La. (2003, 2004 & 2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
‡Stoneville ST 5599BR	1237*	38.5	4.8	1.12	29.5	82.7	53.15	673.49
<b>Deltapine DP 432 RR</b>	1149	38.3	4.8	1.12	30.8	83.8	53.70	637.55
<b>Deltapine DP 434 RR</b>	1125	40.3	4.5	1.15	28.3	83.0	53.89	613.82
‡Deltapine DP 555 BG/RR	1119	42.0	4.6	1.10	28.0	82.1	53.01	600.79
<b>Deltapine DP 449 BG/RR</b>	1114	37.5	4.6	1.12	31.3	82.9	53.76	623.72
<b>FiberMax FM 960 BR</b>	1054	37.3	4.5	1.12	32.0	83.0	53.75	576.25
<b>Deltapine DP 444 BG/RR</b>	1041	38.1	4.3	1.12	28.9	83.3	53.88	558.16
<b>FiberMax FM 958 LL</b>	1017	36.8	4.6	1.17	31.6	83.2	54.33	559.49
Deltapine DP 424 BGII/RR	1015	34.9	4.6	1.11	28.7	83.0	53.22	548.63
Phytogen PHY 410R	952	36.6	4.7	1.13	31.7	83.9	54.38	527.73
<b>Mean</b>	<b>1081</b>	<b>38.0</b>	<b>4.6</b>	<b>1.13</b>	<b>30.1</b>	<b>83.1</b>	<b>53.74</b>	<b>590.82</b>
<b>LSD<sub>0.05</sub></b>	79	0.6	0.1	0.02	0.7	0.5	1.03	52.84
<b>CV (%)</b>	9.3	2.0	2.6	1.8	3.0	0.7	1.7	9.6

\*Not significantly different from highest yielder (p=0.05)

‡Medium maturity variety included for comparison purposes only.

NOTE: Recommended varieties for this location are in boldface type.

**TABLE 32. Two-year performance of early maturing cotton varieties on a Sharkey clay at St. Joseph, La. (2004 & 2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
‡Stoneville ST 5599BR	1300*	38.8	4.8	1.11	29.1	82.7	53.26	694.22
<b>Deltapine DP 432 RR</b>	1254*	38.7	4.9	1.11	30.7	83.9	53.53	669.71
<b>Deltapine DP 449 BG/RR</b>	1249*	38.2	4.6	1.12	30.9	82.7	53.59	669.71
<b>Deltapine DP 434 RR</b>	1192*	40.8	4.6	1.14	27.9	82.9	53.71	641.05
‡Deltapine DP 555 BG/RR	1190*	42.4	4.7	1.10	27.5	82.0	52.82	629.96
Deltapine DP 445 BG/RR	1186	40.1	4.7	1.13	31.6	83.5	54.21	643.26
Stoneville ST 4575BR	1177	37.9	4.8	1.11	31.4	83.1	53.79	634.73
Deltapine DP 455 BG/RR	1148	40.0	4.4	1.14	30.0	82.2	53.88	619.17
Stoneville ST 5242BR	1136	38.1	4.6	1.10	27.3	83.0	52.65	601.36
FiberMax FM 960 RR	1134	38.1	4.4	1.15	30.3	83.4	54.33	616.77
<b>FiberMax FM 960 BR</b>	1083	37.7	4.6	1.12	31.5	83.0	53.57	583.64
<b>Deltapine DP 444 BG/RR</b>	1057	38.7	4.3	1.12	28.7	83.4	53.78	569.55
Deltapine DP 424 BGII/RR	1057	35.5	4.6	1.11	28.5	83.1	53.21	563.13
<b>FiberMax FM 958 LL</b>	1014	37.3	4.7	1.16	31.4	82.9	54.21	550.69
FiberMax FM 966 LL	1013	37.0	4.5	1.13	32.2	83.2	54.45	551.94
Phytogen PHY 410R	998	36.7	4.7	1.13	31.2	83.9	54.27	542.16
Stoneville ST 4686R	993	38.8	4.8	1.12	30.3	82.6	53.41	531.53
FiberMax FM 960 B2R	989	38.1	4.7	1.18	31.2	83.2	54.53	539.20
<b>Mean</b>	<b>1120</b>	<b>38.5</b>	<b>4.6</b>	<b>1.13</b>	<b>30.1</b>	<b>83.0</b>	<b>53.73</b>	<b>602.70</b>
<b>LSD<sub>0.05</sub></b>	112	0.7	0.1	0.02	0.8	0.7	0.82	62.16
<b>CV (%)</b>	10.1	2.0	2.6	1.7	2.9	0.8	1.5	10.3

\*Not significantly different from highest yielder (p=0.05)

‡Medium maturity variety included for comparison purposes only.

NOTE: Recommended varieties for this location are in boldface type and promising varieties are shaded.

**TABLE 33. One-year performance of early maturing cotton varieties on a Sharkey clay at St. Joseph, La. (2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cent/lb	Gross Value \$/acre
<b>Deltapine DP 449 BG/RR</b>	1196*	37.4	4.6	1.09	28.7	81.7	52.40	626.71
‡Stoneville ST 5599BR	1184*	38.2	4.7	1.10	27.5	82.0	52.76	627.49
<b>Deltapine DP 432 RR</b>	1151*	37.6	4.8	1.10	29.8	83.6	53.33	609.67
<b>Deltapine DP 434 RR</b>	1136*	40.1	4.5	1.11	26.7	82.0	53.04	602.55
†Deltapine DPLX04Y170BR	1133*	38.9	4.7	1.10	27.2	81.6	53.11	602.09
†Syngenta DX25105N	1116*	38.8	4.7	1.13	27.7	82.1	53.74	599.58
<b>Deltapine DP 445 BG/RR</b>	1104*	39.3	4.6	1.11	30.6	83.0	53.66	592.52
Phytogen PHY 440W	1104*	37.4	4.7	1.12	30.1	82.9	54.03	596.31
Phytogen PHY 370WR	1102*	39.1	4.9	1.08	29.3	82.3	52.18	574.57
‡Deltapine DP 555 BG/RR	1077	41.0	4.7	1.07	26.3	81.1	51.58	555.68
Deltapine DP 455 BG/RR	1044	38.9	4.3	1.10	28.2	81.4	53.10	553.96
Phytogen PHY 480WR	1027	35.9	4.7	1.12	30.8	83.1	53.94	553.89
Phytogen PHY 470WR	1008	36.2	4.7	1.10	29.9	83.1	53.16	535.76
Deltapine DP 424 BGII/RR	1002	34.9	4.8	1.08	27.1	82.1	51.99	520.98
FiberMax FM 960 RR	993	37.0	4.3	1.11	28.4	82.6	53.84	534.65
FiberMax FM 966 LL	985	35.2	4.6	1.13	31.4	82.9	54.31	535.04
<b>Stoneville ST 4575BR</b>	982	37.6	4.7	1.10	30.1	82.1	53.06	520.81
<b>FiberMax FM 960 BR</b>	970	36.2	4.6	1.10	29.4	82.3	52.51	510.89
Phytogen PHY 310R	967	39.2	4.8	1.07	28.3	81.5	51.15	495.37
Stoneville ST 5242BR	932	37.8	4.5	1.07	26.0	82.4	51.30	478.86
†Syngenta DX2410420	932	36.8	4.6	1.13	28.9	82.4	53.86	501.93
<b>Deltapine DP 444 BG/RR</b>	906	38.4	4.3	1.10	26.7	82.6	52.84	478.73
<b>FiberMax FM 958 LL</b>	902	35.9	4.6	1.14	29.5	82.1	53.65	485.00
Phytogen PHY 410R	893	36.2	4.7	1.11	30.9	83.1	53.78	480.07
FiberMax FM 960 B2R	866	36.0	4.7	1.16	29.5	82.6	54.28	470.26
Stoneville ST 4686R	851	38.4	4.8	1.08	30.3	82.0	52.36	445.68
Deltapine DP 454 BG/RR	830	40.5	4.4	1.06	26.8	81.4	50.43	417.86
<b>Mean</b>	<b>1014</b>	<b>37.8</b>	<b>4.6</b>	<b>1.10</b>	<b>28.7</b>	<b>82.3</b>	<b>52.93</b>	<b>536.63</b>
<b>LSD<sub>0.05</sub></b>	99	0.9	0.1	0.02	0.9	1.0	1.3	56.52
<b>CV (%)</b>	7.2	1.8	2.3	1.6	2.4	0.8	1.8	7.7

\*Not significantly different from highest yielder (p=0.05)

‡Medium maturity variety included for comparison purposes only.

†Experimental. Seed of this variety may or may not be available in 2006.

*NOTE: Recommended varieties for this location are in boldface type and promising varieties are shaded.*

## St. Joe Sharkey Medium

**TABLE 34. Three-year performance of medium maturing cotton varieties on a Sharkey clay at St. Joseph, La. (2003, 2004 & 2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
<b>Deltapine DP 555 BG/RR</b>	1382*	42.4	4.7	1.11	28.7	81.9	53.12	773.43
<b>Stoneville ST 5599BR</b>	1361*	38.6	4.8	1.13	29.8	82.7	53.38	739.19
‡Stoneville ST 5242BR	1272*	38.6	4.6	1.11	28.2	83.3	53.21	660.65
<b>FiberMax FM 832 LL</b>	1237	36.6	4.2	1.20	31.7	83.6	54.69	699.89
<b>Deltapine DP 494 RR</b>	1214	39.8	4.7	1.17	33.2	83.3	54.36	701.04
Stoneville ST 5303R	1149	37.3	4.7	1.11	32.8	83.9	53.78	644.22
FiberMax FM 991 BR	1137	37.2	4.8	1.15	33.9	83.5	53.95	638.34
<b>Mean</b>	<b>1250</b>	<b>38.7</b>	<b>4.7</b>	<b>1.14</b>	<b>31.2</b>	<b>83.2</b>	<b>53.79</b>	<b>694.42</b>
<b>LSD<sub>0.05</sub></b>	131	0.7	0.1	0.02	0.7	0.7	1.09	106.00
<b>CV (%)</b>	11.1	2.2	3.1	1.8	2.8	0.9	1.9	12.4

\*Not significantly different from highest yielder (p=0.05)

‡Early maturity variety included for comparison purposes only.

*NOTE: Recommended varieties for this location are in boldface type.*

**TABLE 35. Two-year performance of medium maturing cotton varieties on a Sharkey clay at St. Joseph, La. (2004 & 2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
<b>Deltapine DP 555 BG/RR</b>	1556*	42.5	4.7	1.11	28.4	81.9	52.98	831.85
<b>Deltapine DP 488 BG/RR</b>	1430*	40.0	4.6	1.18	31.1	82.6	54.29	777.62
<b>Stoneville ST 5599BR</b>	1397*	38.6	4.8	1.13	29.3	82.6	53.42	748.38
‡Deltapine DP 444 BG/RR	1375*	39.0	4.2	1.14	29.1	83.3	54.08	748.25
Stoneville ST 6636BR	1370	36.9	4.8	1.17	31.9	84.0	54.62	748.97
<b>Deltapine DP 494 RR</b>	1366	40.0	4.7	1.17	33.0	83.3	54.69	747.29
Deltapine DP 543 BGII/RR	1328	38.4	4.8	1.14	29.5	83.0	53.38	713.00
‡Stoneville ST 5242BR	1326	38.7	4.5	1.11	28.2	83.2	52.95	665.61
<b>FiberMax FM 832 LL</b>	1325	37.1	4.3	1.19	31.2	83.5	54.62	725.64
Stoneville ST 5303R	1308	37.9	4.8	1.12	32.7	84.0	53.67	702.72
FiberMax FM 991 BR	1269	37.8	4.8	1.16	33.6	83.6	53.83	681.34
Stoneville ST 6848R	1255	37.0	4.7	1.16	33.1	84.4	54.83	689.12
FiberMax FM 800 B2R	1221	37.4	4.3	1.19	31.9	83.7	54.78	669.00
FiberMax FM 991 B2R	1117	35.7	4.5	1.17	31.8	83.6	54.71	611.51
<b>Mean</b>	<b>1332</b>	<b>38.3</b>	<b>4.6</b>	<b>1.15</b>	<b>31.1</b>	<b>83.3</b>	<b>54.07</b>	<b>719.23</b>
<b>LSD<sub>0.05</sub></b>	182	0.9	0.1	0.1	0.8	0.7	0.81	103.86
<b>CV (%)</b>	10.6	2.5	3.0	1.6	2.9	0.8	1.5	10.6

\*Not significantly different from highest yielder (p=0.05)

‡Early maturity variety included for comparison purposes only.

*NOTE: Recommended varieties for this location are in boldface type and promising varieties are shaded.*

**TABLE 36. One-year performance of medium maturing cotton varieties on a Sharkey clay at St. Joseph, La. (2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
<b>Deltapine DP 555 BG/RR</b>	1285*	40.5	4.8	1.07	26.7	81.2	51.58	656.01
Deltapine DP 488 BG/RR	1151*	37.7	4.8	1.12	28.7	81.4	53.75	616.41
<b>Stoneville ST 5599BR</b>	1102*	37.0	4.7	1.10	28.0	81.7	52.96	581.59
<b>Deltapine DP 494 RR</b>	1093	38.4	4.8	1.14	31.7	82.6	54.57	595.82
Stoneville ST 5303R	1088	36.5	4.9	1.09	30.7	83.4	52.59	555.07
FiberMax 9166 B2LL	1044	36.2	4.9	1.10	31.4	82.7	53.60	554.02
<b>FiberMax FM 832 LL</b>	1040	35.3	4.3	1.16	29.8	83.0	54.41	568.06
†Deltapine DPLX05X648DR	1034	39.4	4.9	1.06	26.7	81.1	49.85	503.73
‡Stoneville ST 5242BR	1020	37.2	4.4	1.08	27.0	82.6	52.67	531.56
FiberMax FM 800 B2R	1012	35.6	4.3	1.16	31.1	82.9	54.68	552.02
Deltapine DP 543 BGII/RR	968	36.4	4.8	1.09	27.8	82.1	52.76	510.78
FiberMax FM 991 BR	922	36.0	4.9	1.13	32.6	82.9	53.60	485.42
‡Deltapine DP 444 BG/RR	920	38.4	4.3	1.11	27.3	81.8	53.29	485.49
Stoneville ST 6636BR	917	35.5	4.9	1.14	30.2	83.5	54.38	495.50
FiberMax FM 991 B2R	810	34.5	4.5	1.14	31.5	83.0	54.68	442.63
Stoneville ST 6848R	769	35.4	4.8	1.14	31.9	83.8	54.72	420.75
†Deltapine DPLX03X179R	**	40.7	4.9	1.13	30.7	82.9	53.66	**
<b>Mean</b>	<b>1011</b>	<b>37.1</b>	<b>4.7</b>	<b>1.12</b>	<b>29.7</b>	<b>82.5</b>	<b>53.44</b>	<b>534.68</b>
<b>LSD<sub>0.05</sub></b>	183	1.1	0.1	0.02	1.1	0.9	1.31	102.49
<b>CV (%)</b>	8.1	2.2	2.0	1.6	2.7	0.7	1.7	8.3

\*Not significantly different from highest yielder (p=0.05)

‡Early maturity variety included for comparison purposes only.

†Experimental. Seed of this variety may or may not be available in 2006.

\*\*Data missing.

*NOTE: Recommended varieties for this location are in boldface type and promising varieties are shaded.*

## Winnsboro Irrigated Early

**TABLE 37. Three-year performance of early maturing cotton varieties on an irrigated Gigger silt loam at Winnsboro, La. (2003, 2004 & 2005).**

Variety	Lint	Lint	Mike	UHM	Strength	UI	Loan Value	Gross Value
	lb/acre	percent		inches	g/tex	percent	cents/lb	\$/acre
‡Stoneville ST 5599BR	1683*	40.0	4.6	1.12	30.0	82.8	53.72	893.82
‡Deltapine DP 555 BG/RR	1641*	42.7	4.6	1.11	28.8	82.4	52.95	863.08
<b>FiberMax FM 960 BR</b>	1578*	38.6	4.4	1.10	32.4	83.1	53.37	831.75
<b>Deltapine DP 434 RR</b>	1577*	41.7	4.5	1.15	28.9	83.8	54.25	861.25
<b>Deltapine DP 432 RR</b>	1558	39.9	4.7	1.10	30.9	83.5	53.22	813.20
<b>Deltapine DP 449 BG/RR</b>	1485	39.0	4.5	1.12	31.2	83.5	53.37	788.48
<b>FiberMax FM 958 LL</b>	1432	39.5	4.5	1.15	32.5	83.7	54.67	776.55
<b>Deltapine DP 444 BG/RR</b>	1421	40.7	4.2	1.12	29.5	83.6	53.80	751.81
Phytogen PHY 410R	1386	38.2	4.6	1.12	31.8	84.3	54.16	745.44
Deltapine DP 424 BGII/RR	1372	37.2	4.6	1.10	29.0	83.5	53.22	711.24
<b>Mean</b>	<b>1513</b>	<b>39.8</b>	<b>4.5</b>	<b>1.12</b>	<b>30.5</b>	<b>83.4</b>	<b>53.67</b>	<b>803.66</b>
<b>LSD<sub>0.05</sub></b>	125	0.4	0.1	0.01	0.6	0.5	0.57	71.65
<b>CV (%)</b>	10.4	1.4	3.6	1.4	2.6	0.8	1.3	10.6

\*Not significantly different from highest yielder (p=0.05)

‡Medium maturity variety included for comparison purposes only.

NOTE: Recommended varieties for this location are in boldface type.

**TABLE 38. Two-year performance of early maturing cotton varieties on an irrigated Gigger silt loam at Winnsboro, La. (2004 & 2005).**

Variety	Lint	Lint	Mike	UHM	Strength	UI	Loan Value	Gross Value
	lb/acre	percent		inches	g/tex	percent	cents/lb	\$/acre
‡Deltapine DP 555 BG/RR	1681*	42.0	4.6	1.13	29.5	82.5	53.84	904.07
Deltapine DP 445 BG/RR	1669*	41.4	4.6	1.14	32.1	83.6	54.29	904.93
<b>Deltapine DP 434 RR</b>	1607*	40.9	4.4	1.17	29.0	83.7	54.53	875.72
<b>FiberMax FM 960 BR</b>	1600*	37.8	4.3	1.12	32.7	83.2	54.03	864.01
‡Stoneville ST 5599BR	1599*	38.8	4.4	1.13	30.6	83.1	54.23	866.99
<b>Deltapine DP 432 RR</b>	1577*	39.0	4.7	1.11	31.4	83.4	53.48	841.86
FiberMax FM 960 RR	1573*	38.9	4.0	1.14	31.7	83.4	54.63	858.71
Stoneville ST 4575BR	1528	38.7	4.7	1.10	31.7	82.9	52.92	807.86
<b>Deltapine DP 449 BG/RR</b>	1511	38.5	4.5	1.14	31.7	83.7	54.16	817.00
Stoneville ST 4686R	1479	38.8	4.6	1.12	30.6	83.0	53.08	784.10
Deltapine DP 455 BG/RR	1462	39.7	4.2	1.15	31.2	82.3	54.02	789.06
<b>Deltapine DP 444 BG/RR</b>	1457	39.9	4.3	1.13	30.1	83.8	54.14	787.76
Stoneville ST 5242BR	1422	38.9	4.6	1.10	29.6	83.5	53.05	752.08
FiberMax FM 966 LL	1399	37.5	4.3	1.14	33.6	83.7	54.61	762.86
Phytogen PHY 410R	1392	37.4	4.6	1.14	31.9	84.2	54.47	757.26
<b>FiberMax FM 958 LL</b>	1376	38.7	4.5	1.16	33.0	83.6	54.73	752.59
FiberMax FM 960 B2R	1349	38.4	4.5	1.17	32.1	83.3	54.56	735.73
Deltapine DP 424 BGII/RR	1331	36.4	4.6	1.11	29.6	83.5	53.61	710.82
<b>Mean</b>	<b>1501</b>	<b>39.0</b>	<b>4.5</b>	<b>1.13</b>	<b>31.2</b>	<b>83.3</b>	<b>54.02</b>	<b>809.63</b>
<b>LSD<sub>0.05</sub></b>	147	0.1	0.2	0.01	0.7	0.5	0.71	82.86
<b>CV (%)</b>	9.8	1.4	4.3	1.4	2.5	0.7	1.3	10.1

\*Not significantly different from highest yielder (p=0.05)

‡Medium maturity variety included for comparison purposes only.

NOTE: Recommended varieties for this location are in boldface type and promising varieties are shaded.

**TABLE 39. One-year performance of early maturing cotton varieties on an irrigated Gigger silt loam at Winnsboro, La. (2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cent/lb	Gross Value \$/acre
Deltapine DP 445 BG/RR	2011*	43.4	4.4	1.11	30.4	82.9	53.76	1082.89
†Syngenta DX25105N	1948*	42.8	4.5	1.11	28.9	82.4	53.31	1037.86
Deltapine DP 454 BG/RR	1927*	42.8	4.1	1.07	28.3	82.6	51.89	1001.15
Phytogen PHY 440W	1914*	40.8	4.4	1.12	29.8	83.6	54.15	1036.74
<b>Deltapine DP 434 RR</b>	1909*	40.9	4.3	1.15	27.2	83.2	54.33	1037.02
‡Deltapine DP 555 BG/RR	1831*	42.3	4.5	1.11	27.4	81.5	53.05	970.92
†Deltapine DPLX04Y170BR	1796	41.5	4.6	1.10	27.9	82.4	52.89	950.19
Phytogen PHY 370WR	1783	40.5	4.6	1.08	29.7	82.9	52.01	927.42
†Syngenta DX24706	1773	39.9	4.8	1.10	28.9	82.6	52.13	924.68
<b>FiberMax FM 960 BR</b>	1771	38.5	4.4	1.10	30.9	82.4	53.28	944.51
Phytogen PHY 310R	1771	39.4	4.5	1.08	29.7	82.3	51.88	917.96
FiberMax FM 960 RR	1766	39.3	3.9	1.12	29.8	83.0	54.29	958.43
<b>Deltapine DP 432 RR</b>	1756	39.1	4.7	1.09	30.0	82.9	52.30	919.29
<b>Deltapine DP 449 BG/RR</b>	1718	38.8	4.5	1.11	30.0	82.9	53.48	918.72
‡Stoneville ST 5599BR	1699	38.5	4.4	1.12	29.2	82.7	53.89	915.00
FiberMax FM 966 LL	1684	38.4	4.3	1.11	31.3	83.1	54.26	913.77
Stoneville ST 4575BR	1664	39.0	4.6	1.07	30.0	82.0	52.21	869.20
†Syngenta DX2410420	1646	38.8	4.2	1.13	29.3	82.6	54.16	891.35
Stoneville ST 4686R	1639	39.4	4.5	1.07	30.2	82.3	51.48	846.91
<b>Deltapine DP 444 BG/RR</b>	1635	40.9	4.2	1.11	28.4	83.2	53.45	874.48
Stoneville ST 5242BR	1619	39.2	4.6	1.07	28.0	83.0	51.49	835.49
FiberMax FM 960 B2R	1615	39.2	4.5	1.15	30.4	82.9	54.35	878.06
Phytogen PHY 410R	1582	38.4	4.5	1.12	30.3	83.8	54.08	855.64
Deltapine DP 455 BG/RR	1577	40.2	4.1	1.11	28.8	81.4	53.21	839.44
Phytogen PHY 470WR	1571	39.3	4.5	1.08	29.4	82.7	51.48	814.12
Phytogen PHY 480WR	1561	37.4	4.7	1.12	30.2	83.0	54.10	844.40
Deltapine DP 424 BGII/RR	1549	37.4	4.4	1.09	28.1	82.9	52.65	815.20
<b>FiberMax FM 958 LL</b>	1494	39.5	4.6	1.14	30.9	82.5	54.53	814.26
<b>Mean</b>	<b>1722</b>	<b>39.9</b>	<b>4.4</b>	<b>1.10</b>	<b>29.4</b>	<b>82.7</b>	<b>53.14</b>	<b>915.51</b>
<b>LSD</b>	211	0.1	0.3	0.02	0.8	0.8	1.62	124.85
<b>CV (%)</b>	8.3	0.1	4.5	1.6	2.1	0.7	2.0	9.0

\*Not significantly different from highest yielder (p=0.05)

‡Medium maturity variety included for comparison purposes only.

†Experimental. Seed of this variety may or may not be available in 2006.

*NOTE: Recommended varieties for this location are in boldface type and promising varieties are shaded.*

## Winnsboro Irrigated Medium

**TABLE 40. Three-year performance of medium maturing cotton varieties on an irrigated Gigger silt loam at Winnsboro, La. (2003, 2004 & 2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
<b>Stoneville ST 5599BR</b>	1785*	40.0	4.6	1.12	30.6	83.1	53.50	956.33
<b>Deltapine DP 555 BG/RR</b>	1724*	42.7	4.6	1.12	29.1	81.9	53.46	922.13
‡Stoneville ST 5242BR	1640	39.8	4.4	1.10	28.9	83.6	52.96	867.23
<b>Deltapine DP 494 RR</b>	1601	41.0	4.5	1.15	33.2	83.8	54.65	876.03
Stoneville ST 5303R	1527	38.4	4.5	1.10	32.5	83.8	53.08	816.27
FiberMax FM 991 BR	1498	38.6	4.6	1.13	33.9	83.3	53.84	797.19
FiberMax FM 832 LL	1467	38.0	3.8	1.20	31.9	84.2	54.90	800.47
<b>Mean</b>	<b>1606</b>	<b>39.8</b>	<b>4.4</b>	<b>1.13</b>	<b>31.5</b>	<b>83.4</b>	<b>53.77</b>	<b>862.24</b>
<b>LSD<sub>0.05</sub></b>	105	0.7	0.1	0.01	0.6	0.6	0.51	64.66
<b>CV (%)</b>	8.5	2.2	3.6	1.5	2.4	0.9	1.2	9.0

\*Not significantly different from highest yielder (p=0.05)

‡Early maturity variety included for comparison purposes only.

NOTE: Recommended varieties for this location are in boldface type.

**TABLE 41. Two-year performance of medium maturing cotton varieties on an irrigated Gigger silt loam at Winnsboro, La. (2004 & 2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
<b>Stoneville ST 5599BR</b>	1765*	38.9	4.5	1.13	30.9	83.1	53.83	949.54
<b>Deltapine DP 555 BG/RR</b>	1671*	41.9	4.5	1.13	29.4	82.1	53.66	896.83
<b>Deltapine DP 494 RR</b>	1614*	40.1	4.5	1.16	33.3	83.4	54.63	881.08
‡Deltapine DP 444 BG/RR	1604	39.6	4.2	1.12	30.0	83.3	53.73	860.35
<b>FiberMax FM 800 B2R</b>	1604	38.5	3.9	1.19	32.1	83.8	54.71	877.01
Deltapine DP 488 BG/RR	1593	39.8	4.3	1.16	31.2	83.1	54.24	862.72
‡Stoneville ST 5242BR	1586	38.5	4.3	1.11	29.3	83.4	53.19	840.11
Deltapine DP 543 BGII/RR	1553	38.8	4.5	1.14	30.6	83.0	53.94	836.27
Stoneville ST 5303R	1542	38.4	4.4	1.11	32.5	83.4	53.36	819.09
Stoneville ST 6636BR	1500	37.3	4.6	1.17	32.7	83.9	54.57	818.19
FiberMax FM 991 B2R	1448	36.6	4.2	1.18	33.1	83.4	54.77	793.17
FiberMax FM 991 BR	1439	37.3	4.5	1.15	34.1	83.2	54.24	779.50
Stoneville ST 6848R	1414	36.3	4.5	1.16	33.9	84.4	54.69	772.56
FiberMax FM 832 LL	1389	37.4	3.7	1.19	31.7	83.8	54.83	761.11
<b>Mean</b>	<b>1552</b>	<b>38.5</b>	<b>4.3</b>	<b>1.15</b>	<b>31.8</b>	<b>83.4</b>	<b>54.17</b>	<b>839.11</b>
<b>LSD<sub>0.05</sub></b>	155	0.7	0.2	0.02	0.7	0.5	0.46	86.03
<b>CV (%)</b>	9.7	2.0	3.9	1.5	2.5	0.7	0.9	9.7

\*Not significantly different from highest yielder (p=0.05)

‡Early maturity variety included for comparison purposes only.

NOTE: Recommended varieties for this location are in boldface type and promising varieties are shaded.



**TABLE 42. One-year performance of medium maturing cotton varieties on an irrigated Gigger silt loam at Winnsboro, La. (2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
<b>Stoneville ST 5599BR</b>	1920*	38.9	4.4	1.10	28.6	82.2	52.86	1016.64
FiberMax FM 800 B2R	1887*	39.4	4.0	1.16	30.3	83.0	54.45	1027.95
Deltapine DP 488 BG/RR	1878*	40.0	4.5	1.13	28.8	82.3	53.51	1006.09
<b>Deltapine DP 494 RR</b>	1867*	40.7	4.6	1.14	31.1	82.6	54.31	1014.44
†Deltapine DPLX03X179R	1835*	42.3	4.6	1.13	30.7	83.3	54.38	997.65
Stoneville ST 5303R	1800*	39.3	4.5	1.07	30.6	82.9	51.89	934.77
‡Stoneville ST 5242BR	1789*	39.8	4.4	1.08	27.3	82.3	51.64	923.83
‡Deltapine DP 444 BG/RR	1750*	40.8	4.3	1.09	28.0	82.5	52.58	920.60
FiberMax 9166 B2LL	1746*	38.4	4.5	1.10	31.0	82.0	53.15	928.47
<b>Deltapine DP 555 BG/RR</b>	1707*	41.9	4.6	1.09	27.3	80.9	52.70	900.46
†Deltapine DPLX05X648DR	1706*	41.2	4.6	1.08	27.2	81.4	51.58	880.71
Stoneville ST 6636BR	1684*	38.4	4.7	1.13	30.3	82.7	54.24	913.57
Deltapine DP 543 BGII/RR	1646	39.2	4.6	1.11	28.2	82.2	53.10	872.85
FiberMax FM 832 LL	1644	37.7	3.8	1.17	30.4	83.4	54.69	898.72
Beltwide XBCG 1504	1622	37.4	4.0	1.13	29.3	82.3	54.20	879.42
FiberMax FM 991 BR	1575	37.7	4.4	1.11	31.1	82.2	53.63	844.52
Stoneville ST 6848R	1564	36.0	4.4	1.13	31.8	83.5	54.45	851.53
FiberMax FM 991 B2R	1562	37.4	4.2	1.14	30.5	82.3	54.64	853.19
<b>Mean</b>	<b>1732</b>	<b>39.3</b>	<b>4.4</b>	<b>1.11</b>	<b>29.6</b>	<b>82.4</b>	<b>53.44</b>	<b>925.86</b>
<b>LSD<sub>0.05</sub></b>	238	0.1	0.2	0.02	0.9	1.0	0.85	129.95
<b>CV (%)</b>	8.3	0.1	3.4	1.5	2.4	0.8	1.2	8.4

\*Not significantly different from highest yielder (p=0.05)

‡Early maturity variety included for comparison purposes only.

†Experimental. Seed of this variety may or may not be available in 2006.

*NOTE: Recommended varieties for this location are in boldface type and promising varieties are shaded.*

## Early Roundup Ready Flex – Across All Locations

**TABLE 43. One-year performance of early maturing Roundup Ready Flex cotton varieties across four Louisiana locations (2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
Deltapine DP 113 B2RF	1465*	38.6	4.1	1.11	28.5	82.3	53.50	798.05
‡Deltapine DP 555 BG/RR	1439*	40.8	4.6	1.10	26.5	81.7	52.32	759.29
Deltapine DP 110 RF	1423*	38.4	4.4	1.12	32.8	82.9	53.75	777.12
‡FiberMax FM 960 BR	1419*	37.0	4.3	1.12	30.6	82.6	54.06	774.41
‡Stoneville ST 5599BR	1418*	38.5	4.6	1.12	28.5	82.4	53.55	759.66
Phytogen PHY 475 WRF	1416*	38.5	4.4	1.09	30.1	83.0	52.92	743.88
Phytogen PHY 485 WRF	1407*	38.4	4.6	1.11	30.3	83.3	53.64	761.53
‡Stoneville ST 5242BR	1400*	38.2	4.4	1.09	26.9	82.7	52.87	747.92
Stoneville STX 4664RF	1369	38.7	4.3	1.10	30.0	82.5	53.23	732.86
Beltwide XBCG 4021 B2F	1357	35.3	3.8	1.11	26.3	82.1	53.39	721.69
‡Deltapine DP 444 BG/RR	1354	39.0	4.1	1.10	27.5	82.5	53.00	729.66
Stoneville STX 4554B2RF	1353	38.0	4.5	1.12	31.0	82.8	53.96	738.13
Phytogen PHY 425 RF	1351	37.3	4.6	1.12	30.3	83.1	53.57	725.67
Deltapine DP 108 RF	1349	38.5	4.2	1.10	28.4	82.5	52.93	717.15
Deltapine DP 117 B2RF	1345	38.8	4.4	1.12	30.3	82.6	53.42	723.49
Croplan CG 3520 B2RF	1337	36.7	4.1	1.13	26.9	82.6	54.00	715.55
Croplan CG 4020 B2RF	1337	37.0	4.1	1.14	27.1	82.6	54.08	726.28
Phytogen PHY 415 RF	1331	38.3	4.6	1.09	28.4	82.7	52.43	706.63
Beltwide XBCG 4575 B2F	1326	35.8	4.0	1.10	26.7	82.8	53.30	723.09
Vigoro CX 601 RRF	1313	35.5	3.9	1.08	26.4	82.7	52.40	686.36
Beltwide XBCG 3255 B2F	1290	35.9	4.1	1.10	26.7	82.8	53.39	691.02
Vigoro CX 611 RRF	1274	35.2	3.8	1.11	26.6	82.2	53.14	670.03
Dynagro DG 2242 B2RF	1256	36.4	4.0	1.12	26.6	82.3	53.59	682.52
Croplan CG 3020 B2RF	1233	35.9	4.0	1.08	26.4	82.4	52.24	652.96
Dynagro DG 2215 B2RF	1228	34.6	3.7	1.10	26.5	82.3	53.13	654.75
Beltwide XBCG 1505 F	1219	35.1	4.2	1.12	29.3	82.8	53.75	653.94
Dynagro DG 2100 B2RF	1214	35.5	4.0	1.09	26.4	82.6	52.50	638.05
<b>Mean</b>	<b>1342</b>	<b>37.3</b>	<b>4.2</b>	<b>1.11</b>	<b>28.2</b>	<b>82.6</b>	<b>53.26</b>	<b>719.08</b>
<b>LSD<sub>0.05</sub></b>	84	0.6	0.1	0.01	0.5	0.4	0.67	46.61
<b>CV (%)</b>	9.5	2.5	4.2	1.7	3.0	0.7	1.8	9.6

\*Not significantly different from highest yielder (p=0.05)

‡Variety included for comparison purposes only.

*NOTE: Recommended varieties for this location are in boldface type and promising varieties are shaded.*

## Medium Roundup Ready Flex – Across All Locations

**TABLE 44. One-year performance of medium maturing Roundup Ready Flex cotton varieties across four Louisiana locations (2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
‡Deltapine DP 555 BG/RR	1517*	41.2	4.5	1.10	27.5	81.8	52.90	824.39
<b>Beltwide XBCG 9124 B2F</b>	1452*	37.8	4.2	1.15	27.1	82.6	54.02	780.35
‡Stoneville ST 5599BR	1435*	39.2	4.6	1.11	28.6	82.4	53.03	758.55
Beltwide XBCG 4630 B2R	1405	38.2	4.3	1.14	27.1	82.6	53.88	755.14
‡FiberMax FM 960 BR	1385	37.1	4.4	1.10	31.3	82.7	54.03	747.90
Deltapine DP 147 RF	1376	39.0	4.1	1.17	28.1	82.5	54.17	751.38
Deltapine DP 152 RF	1371	37.5	4.2	1.14	28.6	82.4	53.93	750.52
Stoneville ST 6611B2RF	1363	35.8	4.4	1.13	29.5	82.6	53.93	735.19
Deltapine DP 143 B2RF	1359	37.9	4.0	1.18	28.4	82.1	54.25	731.02
Dynagro DG 2520 B2RF	1354	37.8	4.2	1.15	27.2	82.6	54.11	731.72
Deltapine DP 164 B2RF	1346	36.7	4.2	1.16	28.3	82.4	54.12	728.93
Deltapine DP 156 B2RF	1345	37.2	4.2	1.13	27.5	82.0	53.93	725.46
Stoneville ST 4357 B2RF	1338	37.3	4.1	1.15	27.1	82.5	54.03	724.06
‡Stoneville ST 5242BR	1335	38.6	4.5	1.10	27.8	83.0	53.08	714.49
Vigoro CX 621 RRF	1317	37.3	4.1	1.15	27.3	82.5	54.09	715.05
‡Deltapine DP 444 BG/RR	1292	39.0	4.1	1.10	27.9	82.7	53.49	690.70
Deltapine DP 167 RF	1270	36.2	4.1	1.17	29.3	82.8	54.37	695.30
Stoneville ST 6622RF	1256	37.2	4.3	1.13	29.7	83.0	53.88	687.72
Vigoro CX 631 RRF	1236	36.4	4.2	1.17	28.6	83.5	54.23	663.51
Stoneville STX0414B2RF	1190	35.2	4.3	1.12	29.1	82.8	53.79	651.35
Stoneville ST 5007B2RF	1190	34.9	4.0	1.17	28.8	83.4	54.44	646.45
Stoneville STX5885B2RF	1188	35.4	4.2	1.15	30.7	82.5	54.48	649.75
<b>Mean</b>	<b>1332</b>	<b>37.4</b>	<b>4.2</b>	<b>1.14</b>	<b>28.4</b>	<b>82.6</b>	<b>53.92</b>	<b>720.27</b>
<b>LSD<sub>0.05</sub></b>	86	0.6	0.1	0.02	0.5	0.4	0.41	49.14
<b>CV (%)</b>	9.8	2.7	4.3	2.2	3.0	0.7	1.2	9.8

\*Not significantly different from highest yielder (p=0.05)

‡Variety included for comparison purposes only.

*NOTE: Recommended varieties for this location are in boldface type and promising varieties are shaded.*

## Alexandria Silt Loam – Early Roundup Ready Flex

**TABLE 45. One-year performance of early maturing Roundup Ready Flex cotton varieties on a Norwood silt loam at Alexandria, La. (2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
‡Deltapine DP 555 BG/RR	1575*	40.6	4.7	1.13	27.9	82.6	53.18	835.99
Deltapine DP 113 B2RF	1490*	38.9	4.0	1.13	28.8	82.8	54.21	807.75
Phytogen PHY 485 WRF	1465*	38.0	4.5	1.13	30.1	83.2	54.19	793.44
Deltapine DP 110 RF	1417	39.1	4.3	1.15	34.1	83.4	54.78	776.12
Deltapine DP 117 B2RF	1407	39.4	4.1	1.14	30.8	82.9	54.74	770.48
Phytogen PHY 475 WRF	1398	38.9	4.3	1.13	29.8	83.1	54.24	758.46
‡Stoneville ST 5242BR	1398	38.9	4.5	1.10	27.6	83.1	53.09	741.70
Stoneville STX 4554B2RF	1391	37.7	4.5	1.14	32.0	83.7	54.63	759.86
‡FiberMax FM 960 BR	1383	36.5	4.3	1.11	31.2	83.2	54.34	751.78
‡Deltapine DP 444 BG/RR	1378	38.0	4.0	1.12	28.1	82.7	53.68	739.97
Phytogen PHY 415 RF	1366	37.7	4.5	1.12	28.7	83.0	54.01	738.01
Stoneville STX 4664RF	1306	37.7	4.2	1.11	30.5	82.6	53.71	702.47
Beltwide XBCG 3255 B2F	1302	35.7	4.0	1.13	27.2	83.1	54.10	702.99
Beltwide XBCG 4575 B2F	1301	36.0	4.0	1.12	27.3	83.0	54.01	703.29
Croplan CG 4020 B2RF	1293	36.1	4.0	1.15	27.4	83.3	54.39	703.31
Croplan CG 3520 B2RF	1278	36.2	4.0	1.14	27.0	82.7	54.10	691.84
Dynagro DG 2242 B2RF	1267	35.0	4.0	1.14	27.9	82.6	54.11	686.05
Deltapine DP 108 RF	1266	39.6	4.2	1.12	28.3	83.1	53.99	683.64
‡Stoneville ST 5599BR	1264	39.1	4.6	1.14	29.8	82.9	54.05	683.19
Beltwide XBCG 4021 B2F	1262	34.6	3.6	1.13	26.7	82.9	54.08	681.48
Croplan CG 3020 B2RF	1249	34.5	3.7	1.10	26.9	82.8	53.41	667.72
Phytogen PHY 425 RF	1242	37.5	4.5	1.15	30.9	84.0	54.71	679.56
Beltwide XBCG 1505 F	1224	35.4	4.0	1.13	28.4	82.6	54.13	662.43
Vigoro CX 601 RRF	1222	34.8	3.7	1.09	26.6	83.1	53.01	648.48
Vigoro CX 611 RRF	1212	35.0	3.6	1.12	27.0	82.0	53.24	644.45
Dynagro DG 2100 B2RF	1192	35.0	3.8	1.10	26.3	82.6	53.39	636.83
Dynagro DG 2215 B2RF	1157	33.7	3.5	1.09	27.0	82.2	52.79	612.38
<b>Mean</b>	<b>1322</b>	<b>37.0</b>	<b>4.1</b>	<b>1.12</b>	<b>28.7</b>	<b>82.9</b>	<b>53.94</b>	<b>713.47</b>
<b>LSD<sub>0.05</sub></b>	157	1.5	0.2	0.02	1.3	0.8	0.93	86.45
<b>CV (%)</b>	8.4	2.9	4.3	1.5	3.3	0.7	1.21	8.6

\*Not significantly different from highest yielder (p=0.05)

‡Variety included for comparison purposes only.

*NOTE: Recommended varieties for this location are in boldface type.*

## Alexandria Silt Loam – Medium Roundup Ready Flex

**TABLE 46. One-year performance of medium maturing Roundup Ready Flex cotton varieties on a Norwood silt loam at Alexandria, La. (2005).**

Variety	Lint lb/acre	Lint Percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
‡Stoneville ST 5599BR	1623*	40.8	4.9	1.12	29.6	83.0	53.16	862.07
‡Deltapine DP 555 BG/RR	1603*	40.9	4.7	1.13	28.1	82.7	53.78	861.56
Deltapine DP 147 RF	1536*	39.9	4.1	1.18	29.1	83.2	54.31	834.48
‡Stoneville ST 5242BR	1474*	39.7	4.7	1.11	28.7	83.5	53.68	791.17
Deltapine DP 156 B2RF	1454*	38.1	4.2	1.15	28.1	82.9	54.39	791.28
Beltwide XBCG 9124 B2F	1425	38.2	4.3	1.16	27.4	83.0	54.33	774.25
Deltapine DP 143 B2RF	1411	38.6	4.1	1.20	28.9	82.6	54.18	764.41
Deltapine DP 152 RF	1406	37.7	4.3	1.16	29.0	83.2	54.40	764.92
‡FiberMax FM 960 BR	1398	37.5	4.5	1.13	32.8	83.2	54.58	762.79
‡Deltapine DP 444 BG/RR	1394	40.1	4.0	1.11	28.8	82.7	53.23	743.02
Stoneville ST 4357B2RF	1352	37.8	4.2	1.16	27.7	82.9	54.30	734.08
Dynagro DG 2520 B2RF	1350	37.3	4.1	1.15	27.6	83.3	54.26	732.60
Beltwide XBCG 4630 B2R	1329	38.5	4.3	1.15	27.8	83.2	54.10	718.98
Stoneville ST 6622RF	1302	36.9	4.2	1.13	30.3	83.3	54.46	708.67
Stoneville ST 6611B2RF	1274	35.4	4.3	1.13	30.5	82.8	54.20	690.88
Deltapine DP 164 B2RF	1274	35.3	4.3	1.15	29.0	82.4	54.29	691.59
Vigoro CX 621 RRF	1243	36.5	4.1	1.15	27.7	83.2	54.25	674.84
Stoneville STX5885B2RF	1223	35.2	4.1	1.16	31.6	83.1	54.71	669.09
Stoneville STX0414B2RF	1208	34.4	4.1	1.11	29.2	82.3	53.51	647.16
Vigoro CX 631 RRF	1202	34.7	4.2	1.17	29.5	84.3	54.66	657.13
Stoneville ST 5007B2RF	1166	34.3	4.2	1.17	29.3	83.5	54.59	636.34
Deltapine DP 167 RF	1162	35.1	4.2	1.18	29.6	83.2	54.41	632.28
<b>Mean</b>	<b>1355</b>	<b>37.4</b>	<b>4.3</b>	<b>1.15</b>	<b>29.1</b>	<b>83.1</b>	<b>54.17</b>	<b>733.80</b>
<b>LSD<sub>0.05</sub></b>	183	2.0	0.2	0.02	1.3	0.8	0.73	100.24
<b>CV (%)</b>	9.6	3.8	4.0	1.5	3.2	0.7	1.0	9.7

\*Not significantly different from highest yielder (p=0.05)

‡Variety included for comparison purposes only.

*NOTE: Recommended varieties for this location are in boldface type.*

## Bossier City – Early Roundup Ready Flex

**TABLE 47. One-year performance of early maturing Roundup Ready Flex cotton varieties on a Norwood silt loam at Bossier City, La. (2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
Phytogen PHY 475 WRF	1396*	37.7	4.3	1.10	30.5	83.3	53.26	716.83
‡Stoneville ST 5599BR	1391*	38.9	4.7	1.11	27.9	82.2	53.53	738.81
Deltapine DP 117 B2RF	1387*	38.2	4.5	1.14	30.5	82.6	54.40	778.64
Deltapine DP 110 RF	1373*	37.3	4.3	1.13	33.0	83.4	54.48	787.50
Deltapine DP 113 B2RF	1365*	38.2	4.2	1.12	28.2	82.5	53.54	768.61
Phytogen PHY 425 RF	1324*	37.0	4.8	1.11	30.6	83.2	53.05	706.00
‡FiberMax FM 960 BR	1324*	37.7	4.2	1.12	30.3	82.4	54.13	733.64
Phytogen PHY 485 WRF	1314*	38.1	4.7	1.11	30.1	83.7	54.00	726.31
Croplan CG 3520 B2RF	1309*	36.2	4.0	1.12	26.9	83.0	54.02	677.48
Stoneville STX 4664RF	1302*	37.4	4.1	1.08	29.6	82.5	52.46	689.78
‡Stoneville ST 5242BR	1288*	37.3	4.4	1.10	26.4	82.6	53.24	697.31
Phytogen PHY 415 RF	1288*	37.4	4.6	1.10	28.6	83.3	53.06	712.56
Stoneville STX 4554B2RF	1286*	37.9	4.1	1.11	29.7	82.0	53.53	708.23
Beltwide XBCG 3255 B2F	1281*	34.7	4.0	1.10	26.8	82.8	53.50	697.26
‡Deltapine DP 555 BG/RR	1278*	39.9	4.5	1.10	25.9	81.8	52.84	677.69
Deltapine DP 108 RF	1273*	37.1	4.3	1.09	28.0	82.5	52.65	669.96
Vigoro CX 601 RRF	1270*	34.7	3.9	1.08	25.9	83.0	52.69	650.53
‡Deltapine DP 444 BG/RR	1231*	37.5	4.0	1.09	27.4	82.6	52.60	673.88
Vigoro CX 611 RRF	1224*	34.5	3.8	1.11	26.9	82.7	53.85	624.47
Croplan CG 4020 B2RF	1218*	36.7	4.1	1.13	27.4	82.5	54.20	656.27
Beltwide XBCG 4021 B2F	1196*	33.6	3.8	1.11	26.2	82.0	53.61	608.69
Dynagro DG 2100 B2RF	1170	35.3	3.9	1.08	26.2	82.5	52.74	610.22
Beltwide XBCG 4575 B2F	1158	34.5	4.0	1.09	25.9	82.8	52.74	648.40
Beltwide XBCG 1004 B2F	1158	36.9	4.1	1.11	26.0	82.6	53.99	610.88
Croplan CG 3020 B2RF	1154	35.6	3.9	1.09	26.4	82.6	52.74	627.25
Beltwide XBCG 1505 F	1099	34.0	4.2	1.13	29.0	82.9	54.15	572.68
Dynagro DG 2215 B2RF	1098	33.4	3.7	1.12	26.8	82.3	53.90	583.36
Dynagro DG 2242 B2RF	1035	35.6	3.9	1.09	25.4	81.9	52.96	551.06
<b>Mean</b>	<b>1257</b>	<b>36.6</b>	<b>4.2</b>	<b>1.11</b>	<b>27.9</b>	<b>82.6</b>	<b>53.42</b>	<b>675.15</b>
<b>LSD<sub>0.05</sub></b>	201	1.3	0.2	0.02	1.2	0.9	1.27	95.78
<b>CV (%)</b>	10.9	2.8	4.0	1.4	3.3	0.7	1.4	9.6

\*Not significantly different from highest yielder (p=0.05)

‡Variety included for comparison purposes only.

*NOTE: Recommended varieties for this location are in boldface type.*

## Bossier City – Medium Roundup Ready Flex

**TABLE 48. One-year performance of medium maturing Roundup Ready Flex cotton varieties on a Norwood silt loam at Bossier City, La. (2005).**

Variety	Lint	Lint	Mike	UHM	Strength	UI	Loan Value	Gross Value
	lb/acre	percent		inches	g/tex	percent	cents/lb	\$/acre
Dynagro DG 2520 B2RF	1359*	37.1	4.2	1.14	27.5	82.3	54.16	733.64
Deltapine DP 143 B2RF	1318*	37.7	4.1	1.15	27.4	81.8	54.21	684.12
Beltwide XBCG 4630 B2R	1290*	37.6	4.2	1.12	27.2	82.3	53.46	664.59
‡FiberMax FM 960 BR	1273*	36.8	4.3	1.10	30.5	82.4	53.30	660.78
‡Stoneville ST 5599BR	1271*	38.5	4.5	1.10	28.3	82.2	52.66	634.40
Beltwide XBCG 9124 B2F	1259*	37.2	4.2	1.12	27.3	82.3	53.60	616.00
Deltapine DP 156 B2RF	1249*	36.7	4.2	1.13	27.9	82.0	53.89	673.04
Deltapine DP 152 RF	1239*	37.2	4.2	1.13	29.0	82.3	53.61	699.15
Stoneville ST 6611B2RF	1228*	35.3	4.3	1.11	28.6	82.3	53.36	639.20
Stoneville ST 4357 B2RF	1227*	37.2	4.1	1.13	27.0	82.4	53.95	647.47
Deltapine DP 164 B2RF	1226*	35.3	4.2	1.15	28.3	82.3	54.20	649.98
Vigoro CX 621 RRF	1218*	37.5	4.1	1.13	28.3	83.1	54.29	658.32
‡Deltapine DP 444 BG/RR	1197*	37.9	4.0	1.09	27.8	82.6	53.05	619.89
Beltwide XBCG 8391 B2R	1191*	35.3	4.0	1.14	29.2	83.2	54.49	674.95
‡Deltapine DP 555 BG/RR	1167*	40.2	4.6	1.09	27.1	81.7	52.34	651.02
Stoneville ST 5007B2RF	1142*	34.8	3.9	1.17	28.7	83.6	54.45	610.77
‡Stoneville ST 5242BR	1127*	38.5	4.5	1.08	27.3	83.0	52.10	570.37
Stoneville ST 6622RF	1126*	36.0	4.3	1.12	29.9	82.7	53.33	627.05
Deltapine DP 167 RF	1125*	35.6	4.2	1.14	29.1	82.3	54.35	610.71
Deltapine DP 147 RF	1112	37.8	4.3	1.14	28.1	82.3	54.10	588.74
Vigoro CX 631 RRF	1088	34.5	4.2	1.14	28.9	82.9	53.75	522.19
Stoneville STX5885B2RF	1061	34.9	4.1	1.13	30.3	82.2	54.38	565.74
Stoneville STX0414B2RF	1005	33.7	4.3	1.11	28.9	82.5	53.41	556.08
<b>Mean</b>	<b>1198</b>	<b>36.6</b>	<b>4.2</b>	<b>1.12</b>	<b>28.4</b>	<b>82.5</b>	<b>53.67</b>	<b>632.92</b>
<b>LSD<sub>0.05</sub></b>	239	1.4	0.2	0.03	1.3	1.2	1.60	168.32
<b>CV (%)</b>	11.3	2.8	3.9	2.0	3.2	0.8	1.7	11.4

\*Not significantly different from highest yielder (p=0.05)

‡Variety included for comparison purposes only.

*NOTE: Recommended varieties for this location are in boldface type.*

## St Joseph Sharkey – Early Roundup Ready Flex

**TABLE 49. One-year performance of early maturing Roundup Ready Flex cotton varieties on a Sharkey clay at St. Joseph La. (2005).**

Variety	Lint	Lint	Mike	UHM	Strength	UI	Loan Value	Gross Value
	lb/acre	percent		inches	g/tex	percent	cents/lb	\$/acre
Phytogen PHY 475 WRF	1214*	37.5	4.6	1.08	30.2	82.5	51.86	630.25
‡Deltapine DP 555 BG/RR	1212*	40.9	4.6	1.06	25.6	81.2	50.85	615.85
Deltapine DP 110 RF	1206*	37.6	4.5	1.08	31.7	82.4	52.50	633.56
‡FiberMax FM 960 BR	1202*	35.7	4.5	1.11	29.6	82.7	53.78	646.21
Phytogen PHY 485 WRF	1189*	37.7	4.7	1.10	30.5	82.9	53.31	634.16
‡Stoneville ST 5599BR	1176*	37.3	4.8	1.09	27.1	81.8	52.41	616.25
Croplan CG 4020 B2RF	1165*	37.3	4.3	1.11	26.4	81.7	53.45	622.82
Deltapine DP 108 RF	1139*	36.9	4.3	1.09	27.5	81.2	52.44	597.83
Deltapine DP 113 B2RF	1128*	38.3	4.5	1.09	27.8	81.6	52.35	590.45
Phytogen PHY 425 RF	1127*	36.5	4.8	1.10	30.1	82.3	53.15	598.91
Deltapine DP 117 B2RF	1112	36.8	4.6	1.12	29.4	82.4	53.43	593.99
Croplan CG 3520 B2RF	1101	35.5	4.3	1.13	26.1	82.5	53.99	594.56
Beltwide XBCG 4575 B2F	1094	35.4	4.2	1.10	26.5	82.8	53.34	581.94
Americot 1521 RF/B2	1066	34.2	3.9	1.11	26.7	82.3	53.38	568.70
Vigoro CX 601 RRF	1052	34.8	4.1	1.06	25.9	82.2	50.99	536.10
Croplan CG 3020 B2RF	1040	35.1	4.2	1.05	25.2	82.1	51.00	530.40
Beltwide XBCG 4021 B2F	1037	34.4	4.1	1.09	25.5	81.4	52.43	543.60
Dynagro DG 2215 B2RF	1034	33.8	4.0	1.10	26.1	82.6	53.03	548.61
Dynagro DG 2242 B2RF	1029	36.3	4.3	1.12	25.8	82.0	53.60	552.48
Americot 1504 RF/B2	1027	35.1	4.2	1.09	26.5	82.6	52.69	541.19
Stoneville STX 4554B2RF	1025	37.5	4.7	1.11	31.2	82.7	53.56	549.66
‡Stoneville ST 5242BR	1024	37.5	4.5	1.08	26.1	82.3	52.10	534.35
Dynagro DG 2100 B2RF	1024	33.9	4.1	1.07	26.1	82.7	51.54	527.29
Stoneville STX 4664RF	1022	38.1	4.6	1.10	29.9	82.4	53.08	542.00
Beltwide XBCG 3255 B2F	1014	35.4	4.1	1.09	26.1	82.7	53.04	538.09
‡Deltapine DP 444 BG/RR	1010	39.5	4.4	1.10	26.7	82.3	52.56	531.67
Beltwide XBCG 1004 B2F	1001	36.5	4.4	1.11	26.0	81.8	53.40	534.58
Phytogen PHY 415 RF	995	37.4	4.7	1.08	28.3	82.3	51.70	514.72
Vigoro CX 611 RRF	989	34.8	4.1	1.09	26.1	81.6	52.13	515.53
Beltwide XBCG 1505 F	971	33.6	4.5	1.11	29.5	82.7	53.54	520.41
<b>Mean</b>	<b>1081</b>	<b>36.4</b>	<b>4.4</b>	<b>1.09</b>	<b>27.5</b>	<b>82.2</b>	<b>52.69</b>	<b>569.59</b>
<b>LSD<sub>0.05</sub></b>	100	1.4	0.2	0.03	1.0	1.0	1.53	56.82
<b>CV (%)</b>	6.5	2.9	2.7	1.8	2.8	0.7	1.9	6.9

\*Not significantly different from highest yielder (p=0.05)

‡Variety included for comparison purposes only.

*NOTE: Recommended varieties for this location are in boldface type.*



## St. Joseph Sharkey – Medium Roundup Ready Flex

**TABLE 50. One-year performance of medium maturing Roundup Ready Flex cotton varieties on a Sharkey clay at St. Joseph, La. (2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
Deltapine DP 164 B2RF	1411*	36.9	4.5	1.15	28.0	82.5	54.01	761.85
Beltwide XBCG 9124 B2F	1367*	37.7	4.4	1.13	26.9	82.2	53.80	735.96
‡Deltapine DP 555 BG/RR	1347*	41.2	4.6	1.08	26.8	81.2	51.98	701.27
Deltapine DP 147 RF	1347*	38.0	4.3	1.16	27.2	82.2	53.99	727.52
Americot 1532 RF/B2	1333*	36.7	4.3	1.13	26.8	82.7	54.08	720.63
Deltapine DP 143 B2RF	1328*	36.4	4.2	1.16	27.9	81.5	54.10	718.37
Deltapine DP 167 RF	1323*	35.7	4.3	1.17	29.3	82.7	54.31	718.01
Stoneville ST 4357 B2RF	1310*	35.6	4.4	1.12	26.5	82.3	53.80	705.24
Beltwide XBCG 4630 B2R	1300*	36.9	4.4	1.14	26.4	81.9	53.92	701.01
Vigoro CX 621 RRF	1276	35.8	4.4	1.13	26.4	81.8	53.81	686.60
‡Stoneville ST 5599BR	1270	37.5	4.6	1.10	27.4	82.0	52.49	666.69
Deltapine DP 156 B2RF	1246	36.2	4.4	1.12	26.6	81.6	53.73	669.53
‡FiberMax FM 960 BR	1230	35.6	4.6	1.11	30.5	82.6	54.08	665.28
Dynagro DG 2520 B2RF	1224	36.4	4.3	1.14	26.8	82.5	53.99	660.83
Deltapine DP 152 RF	1213	35.9	4.4	1.14	28.0	82.3	54.08	655.40
Americot 1664 RF/B2	1159	35.6	4.4	1.15	26.9	82.8	54.16	628.05
Stoneville ST 5007B2RF	1141	34.5	4.3	1.17	28.8	83.1	54.34	620.17
‡Stoneville ST 5242BR	1126	36.5	4.5	1.09	27.9	82.7	52.89	595.74
Stoneville STX5885B2RF	1098	35.0	4.7	1.14	30.4	82.4	54.42	597.81
Americot 1622 RF/B2	1071	34.2	4.3	1.15	28.2	83.2	54.29	581.59
Stoneville ST 6611B2RF	1071	34.2	4.8	1.14	29.8	82.9	54.27	581.44
Vigoro CX 631 RRF	1067	34.2	4.4	1.17	28.2	83.3	54.28	579.15
‡Deltapine DP 444 BG/RR	1065	37.2	4.3	1.11	27.4	82.7	53.89	574.09
Beltwide XBCG 8391 B2R	1060	33.6	4.3	1.16	27.9	83.4	54.32	575.20
Stoneville ST 6622RF	1050	36.3	4.7	1.13	29.3	83.1	53.73	564.09
Stoneville STX0414B2RF	1040	34.5	4.6	1.15	28.8	83.2	54.31	564.83
<b>Mean</b>	<b>1211</b>	<b>36.1</b>	<b>4.4</b>	<b>1.13</b>	<b>27.9</b>	<b>82.5</b>	<b>53.89</b>	<b>652.24</b>
<b>LSD<sub>0.05</sub></b>	126	1.4	0.2	0.03	1.0	0.9	0.81	70.70
<b>CV (%)</b>	7.5	2.9	2.8	1.7	2.8	0.7	1.0	7.8

\*Not significantly different from highest yielder (p=0.05)

‡Variety included for comparison purposes only.

*NOTE: Recommended varieties for this location are in boldface type.*

## Winnsboro Irrigated – Early Roundup Ready Flex

**TABLE 51. One-year performance of early maturing Roundup Ready Flex cotton varieties on an irrigated Gigger silt loam at Winnsboro, La. (2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
Beltwide XBCG 4021 B2F	1949*	38.0	3.9	1.11	26.7	82.2	53.46	1042.96
‡Stoneville ST 5242BR	1917*	39.0	4.3	1.10	27.6	82.9	53.05	1018.33
Deltapine DP 113 B2RF	1902*	38.8	3.9	1.13	29.4	82.4	53.89	1025.41
Stoneville STX 4664RF	1863*	41.5	4.1	1.10	30.1	82.3	53.65	997.21
‡Stoneville ST 5599BR	1847*	38.8	4.3	1.14	29.2	82.6	54.21	1000.39
‡Deltapine DP 444 BG/RR	1828*	41.0	4.1	1.11	27.8	82.4	53.18	973.11
Beltwide XBCG 2038 B2F	1807*	38.5	4.1	1.15	28.0	82.9	54.35	982.39
Beltwide XBCG 4153 B2F	1805*	37.5	4.1	1.10	26.8	82.5	52.90	955.05
‡FiberMax FM 960 BR	1789*	38.0	4.1	1.12	31.3	82.3	54.00	966.00
Deltapine DP 108 RF	1737*	40.3	4.0	1.10	29.7	82.1	52.66	917.05
‡Deltapine DP 555 BG/RR	1732*	42.0	4.5	1.09	26.6	81.2	52.41	907.64
Beltwide XBCG 4575 B2F	1728*	37.5	4.1	1.10	27.0	82.7	53.11	918.51
Stoneville STX 4554B2RF	1727*	38.8	4.6	1.11	31.1	82.9	54.11	934.77
Vigoro CX 601 RRF	1718*	37.8	4.1	1.10	27.5	82.5	52.92	910.32
Phytogen PHY 425 RF	1717*	38.3	4.4	1.11	29.6	82.9	53.38	918.21
Deltapine DP 110 RF	1710*	39.5	4.4	1.11	32.4	82.5	53.24	911.32
Croplan CG 4020 B2RF	1700*	37.8	4.0	1.16	27.4	83.0	54.26	922.73
Dynagro DG 2242 B2RF	1690*	38.5	4.0	1.14	27.5	82.5	53.69	908.00
Phytogen PHY 415 RF	1685*	40.8	4.6	1.07	28.1	82.2	50.96	861.22
Vigoro CX 611 RRF	1681*	36.5	3.8	1.11	26.5	82.3	53.35	895.66
Phytogen PHY 485 WRF	1681*	40.0	4.6	1.10	30.5	83.5	53.08	892.22
Croplan CG 3520 B2RF	1666*	39.0	4.3	1.14	27.6	82.4	53.90	898.33
Phytogen PHY 475 WRF	1660	39.8	4.4	1.08	29.8	82.9	52.33	869.98
Dynagro DG 2215 B2RF	1656	37.3	3.8	1.10	26.2	82.1	52.81	874.67
Beltwide XBCG 1505 F	1612	37.3	4.2	1.12	30.6	82.9	53.20	860.24
Beltwide XBCG 3255 B2F	1566	38.0	4.2	1.09	26.7	82.4	52.93	828.72
Croplan CG 3020 B2RF	1510	38.3	4.2	1.09	26.9	82.2	51.80	786.49
Dynagro DG 2100 B2RF	1483	37.8	4.1	1.09	27.1	82.5	52.34	777.37
Deltapine DP 117 B2RF	1463	41.0	4.6	1.11	30.4	82.3	51.11	750.86
<b>Mean</b>	<b>1718</b>	<b>38.9</b>	<b>4.2</b>	<b>1.11</b>	<b>28.5</b>	<b>82.5</b>	<b>53.11</b>	<b>913.97</b>
<b>LSD<sub>0.05</sub></b>	284		0.3	0.03	1.0	1.1	2.7	162.42
<b>CV (%)</b>	9.5		5.6	2.0	2.7	0.7	2.5	10.4

\*Not significantly different from highest yielder (p=0.05)

‡Variety included for comparison purposes only.

NOTE: Recommended varieties for this location are in boldface type.

## Winnsboro Irrigated – Medium Roundup Ready Flex

**TABLE 52. One-year performance of medium maturing Roundup Ready Flex cotton varieties on an irrigated Gigger silt loam at Winnsboro, La. (2005).**

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
Stoneville ST 6611B2RF	1910*	38.2	4.1	1.13	29.2	82.5	53.88	1029.26
‡Deltapine DP 555 BG/RR	1864*	42.1	4.3	1.10	27.9	81.7	53.50	997.04
Beltwide XBCG 9124 B2F	1758*	38.0	4.0	1.20	26.9	82.8	54.34	954.10
Beltwide XBCG 4630 B2R	1732*	39.9	4.2	1.15	27.0	82.8	54.04	935.99
‡FiberMax FM 960 BR	1667*	38.4	4.1	1.10	31.3	82.8	54.15	902.74
Beltwide XBCG 9775 B2R	1645	36.8	4.0	1.20	28.3	83.9	54.38	894.81
‡Stoneville ST 5599BR	1619	39.8	4.3	1.13	29.0	82.3	53.83	871.04
‡Stoneville ST 5242BR	1612	39.8	4.3	1.10	27.1	82.9	53.64	864.64
Vigoro CX 631 RRF	1586	42.1	4.1	1.18	27.7	83.4	54.23	860.25
Deltapine DP 147 RF	1575	40.3	3.8	1.20	28.1	82.3	54.28	854.75
Vigoro CX 621 RRF	1556	39.4	4.0	1.18	26.6	82.1	54.01	840.45
Deltapine DP 152 RF	1553	39.2	4.1	1.13	28.4	81.8	53.68	833.16
Stoneville STX0414B2RF	1552	38.1	4.3	1.13	29.4	83.2	53.93	837.34
Stoneville ST 6622RF	1547	39.4	4.1	1.15	29.3	82.7	54.03	835.89
‡Deltapine DP 444 BG/RR	1535	40.8	4.1	1.10	27.9	82.9	53.80	825.82
Deltapine DP 167 RF	1508	38.3	3.8	1.20	29.4	83.0	54.41	820.19
Deltapine DP 164 B2RF	1504	39.4	4.1	1.18	28.0	82.2	54.98	812.29
Dynagro DG 2520 B2RF	1480	40.4	4.0	1.18	26.9	82.4	54.04	799.82
Stoneville ST 4357 B2RF	1461	38.4	3.8	1.18	27.2	82.3	54.09	790.32
Deltapine DP 156 B2RF	1430	38.0	3.9	1.13	27.3	81.9	53.74	767.99
Deltapine DP 143 B2RF	1383	38.9	3.8	1.20	29.5	82.4	54.53	754.00
Stoneville STX5885B2RF	1369	36.5	4.0	1.18	30.6	82.5	54.41	745.37
Stoneville ST 5007B2RF	1321	35.8	3.7	1.20	28.5	83.4	54.40	718.52
<b>Mean</b>	<b>1572</b>	<b>39.0</b>	<b>4.0</b>	<b>1.15</b>	<b>28.3</b>	<b>82.6</b>	<b>54.05</b>	<b>849.82</b>
<b>LSD<sub>0.05</sub></b>	253		0.5	0.05	0.9	0.9	0.48	141.29
<b>CV (%)</b>	10.5		6.3	3.2	2.3	0.7	0.6	10.6

\*Not significantly different from highest yielder (p=0.05)

‡Variety included for comparison purposes only.

*NOTE: Recommended varieties for this location are in boldface type.*

**TABLE 53. Nematode tolerance ratings conducted at Red River Research Station.**

Cultivar	2005		2-year Average	
	Gall Rating	Wilt Rating	Gall Rating	Wilt Rating
Acala Nemx	2.1	0.2	2.6	0.3
Acala Nemx HY	2.3	0.1	2.7	0.4
Deltapine DP424BGII/RR	3.3	0.8	3.9	2.1
Deltapine DP 444BG/RR	2.9	0.4	3.5	1.2
Deltapine DP 449 BG/RR	3.7	1.1	3.8	2.0
Deltapine DP 555BG/RR	4.1	2.0	4.2	2.7
FiberMax FM 832 LL	3.3	2.3	3.5	2.2
FiberMax FM 958 LL	4.7	1.7	4.5	3.1
FiberMax FM 960 BR	4.3	1.7	4.0	2.0
FiberMax FM 991BR	4.0	1.2	4.2	2.2
Phytogen PHY 410 RR	4.5	0.6	4.3	1.6
Stoneville ST 474	4.4	2.1	4.5	3.4
Stoneville ST 4575 BR	4.7	0.5	4.5	1.1
Stoneville ST 4686 R	3.7	2.4	4.2	2.4
Stoneville ST 5303R	3.4	0.3	3.6	1.3
Stoneville ST 5242 BR	2.9	0.5	3.3	1.3
Stoneville ST 5599BR	2.0	0.4	2.7	1.6
Stoneville ST 6636 BR	3.2	0.9	3.8	2.0
Stoneville ST 6848 R	2.9	0.5	3.6	1.1
Stoneville ST LA887	2.1	0.3	2.6	0.7

<sup>1</sup>Root-gall rating on a scale of 0-5; 0=no root galling, 5=severe root galling.

<sup>2</sup>Wilt rating on a scale of 0-5; 0=no stem discoloration, 5=complete stem discoloration.

This material was prepared by the following LSU AgCenter personnel:

Dr. Sandy Stewart, Associate Professor and Cotton Specialist  
 Mr. David Caldwell, Professor, Red River Research Station  
 Mr. James Hayes, Research Associate, Red River Research Station  
 Dr. Ernie Clawson, Assistant Professor, Northeast Research Station  
 Dr. Don Boquet, Professor, Macon Ridge Research Station  
 Dr. Ivan Dickson, LSU Cotton Fiber Lab  
 Dr. Patrick Colyer, Professor, Red River Research Station  
 Dr. Gerald Myers, Associate Professor, Dept. of Agronomy and Environmental Sciences  
 Dr. Donnie Miller, Associate Professor, Northeast Research Station  
 Dr. Steve Kelly, Associate Professor and Weed Specialist

**Visit our Web site:**  
**[www.lsu.agcenter.com](http://www.lsu.agcenter.com)**

**Louisiana State University Agricultural Center,**  
 William B. Richardson, Chancellor  
**Louisiana Cooperative Extension Service**  
 Paul D. Coreil, Vice Chancellor and Director  
**Louisiana Agricultural Experiment Station**  
 David J. Boethel, Vice Chancellor and Director  
 Pub. 2135 (1M) 12/05 Rev.

Issued in furtherance of Cooperative Extension work, Acts of Congress of May 8 and June 30, 1914, in cooperation with the United States Department of Agriculture. The Louisiana Cooperative Extension Service provides equal opportunities in programs and employment.