

**COTTON VARIETIES
FOR LOUISIANA
2007**



Cotton Varieties for Louisiana - 2007

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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 that have only one year of testing in the official variety trials, a multi-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 2007 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.

List of varieties recommended or promising for at least one location in 2007.

Recommended	Promising After Two Years	Promising After One Year
Deltapine DP 432 RR	Beltwide BW 4021 B2RF	NONE
Deltapine DP 434 RR	Deltapine DP 110 RF	
Deltapine DP 444 BG/RR	Deltapine DP 117 B2RF	
Deltapine DP 445 BG/RR	Deltapine DP 143 B2RF	
Deltapine DP 488 BG/RR	Deltapine DP 147 RF	
Deltapine DP 494 RR	Deltapine DP 164 B2RF	
Deltapine DP 555 BG/RR	Deltapine DP 167 RF	
FiberMax FM 800 BR	Deltapine DP 454 BG/RR	
FiberMax FM 958 LL	Dynagro DG 2520 B2RF	
FiberMax FM 960 BR	FiberMax FM 800 B2R	
FiberMax FM 960 B2R	Phytogen PHY 310 R	
Stoneville ST 4575BR	Phytogen PHY 370 WR	
Stoneville ST 5242BR	Phytogen PHY 425 RF	
Stoneville ST 5599BR	Phytogen PHY 470 WR	
	Phytogen PHY 480 WR	
	Phytogen PHY 485 WRF	
	Stoneville ST 4554B2RF	
	Stoneville ST 4664RF	
	Stoneville ST 6611B2RF	
	Syngenta DX25105N†	

†Experimental. Seed of this variety may or may not be available in 2007.

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 in 2007. 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. 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 two years 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. You are strongly encouraged to use the table with across location averages; it combines all 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. Even though flexibility has increased for applying glyphosate over-the-top to Roundup Ready Flex varieties, growers should not wait until weeds emerge and get some size before making applications. This is not recom-

mended, particularly for early season weed control. Early weed competition can severely reduce yield. Glyphosate is effective on a wide range of species, particularly when the species are small. Applications in Roundup Ready Flex cotton 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 2007 "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 tolerant 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 2007 "Controlling Weeds in Cotton." Liberty Link cotton is tolerant 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.

VARIETIES WITH MULTIPLE BRAND NAMES

In 2007, several varieties will be available for sale under multiple brand names. Louisiana seed laws require that cotton seed have the variety name printed on the seed label. A single variety, however, may be marketed by various companies under different

brand names. Because of the licensing agreement between Monsanto's Cotton States program and some cotton seed suppliers, some Bollgard II/Roundup Ready Flex cotton varieties will be sold under more than one brand name. Most growers will want to spread risk by planting several different varieties on their farm. Therefore, examine the seed tag closely to ensure that different varieties truly are being planted and not just multiple brand names of the same variety. The following table lists those varieties known to have been marketed under various brand names in 2006. The list available at the time of this publication may be incomplete since new varieties may be introduced that also will be marketed under multiple brand names. Read the seed label closely.

Variety Name = 450001G

Dynagro DG 2520 B2RF
 Croplan CG 4020 B2RF
 Beltwide BW 4630 B2RF
 Stoneville ST 4357B2RF
 Americot 1532 B2RF

Variety Name = 370001G

Dynagro DG 2100 B2RF
 Croplan CG 3020 B2RF
 Beltwide BW 3255 B2RF
 Americot 1504 B2RF

Variety Name = 530001G

Croplan CG 3520 B2RF
 Stoneville ST 4700B2RF
 Dynagro DG 2242 B2RF

Variety Name = 010001G

Dynagro DG 2215 B2RF
 NexGen 3273 B2RF
 Beltwide BW 4021 B2RF
 Americot 1521 B2RF

Variety Name = 170001G

Stoneville ST 5007B2RF
 Americot 1622 B2RF

ALL LOUISIANA LOCATIONS EARLY MATURING

TABLE 1. Three-year performance of early maturing cotton varieties across six Louisiana locations (2004, 2005 & 2006).

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	1420*	41.0	4.6	1.12	28.4	82.4	53.24	757.46
‡Stoneville ST 5599BR	1399*	38.8	4.7	1.13	29.7	82.8	53.16	748.51
Deltapine DP 432 RR	1324	37.9	4.7	1.11	30.9	83.3	53.48	719.42
Stoneville ST 5242BR	1322	38.4	4.6	1.10	28.5	83.2	52.98	699.25
Deltapine DP 434 RR	1310	39.7	4.4	1.15	28.6	83.2	54.17	713.56
FiberMax FM 960 BR	1300	37.4	4.5	1.12	32.1	83.0	53.92	705.52
Stoneville ST 4575BR	1300	38.1	4.6	1.11	31.5	83.0	53.42	698.62
Deltapine DP 445 BG/RR	1296	39.0	4.5	1.14	32.1	83.7	54.47	708.09
Deltapine DP 444 BG/RR	1264	38.8	4.3	1.12	29.4	83.3	53.84	677.61
FiberMax FM 960 B2R	1228	37.4	4.5	1.17	31.4	83.3	54.48	671.67
FiberMax FM 958 LL	1188	37.2	4.6	1.17	31.7	83.5	54.57	651.28
Mean	1305	38.5	4.5	1.13	30.4	83.2	53.79	705.00
LSD_{0.05}	45	0.3	0.1	0.01	0.3	0.2	0.25	25.75
CV (%)	11.5	2.7	4.0	1.6	3.2	0.7	1.6	11.6

*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, excluding Roundup Ready Flex varieties, across six Louisiana locations (2005 & 2006).

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	1446*	40.9	4.7	1.10	27.2	81.9	52.55	762.68
†Syngenta DX25105N	1413*	39.8	4.7	1.13	29.2	82.5	53.46	764.32
‡Stoneville ST 5599BR	1394	39.0	4.8	1.11	28.8	82.5	52.59	740.49
Deltapine DP 454 BG/RR	1342	41.0	4.2	1.08	27.7	82.2	52.06	700.16
Phytogen PHY 370 WR	1340	39.0	4.7	1.09	30.0	82.8	52.53	712.54
Deltapine DP 432 RR	1336	37.6	4.6	1.10	30.5	83.0	53.20	717.98
Deltapine DP 434 RR	1330	39.5	4.3	1.13	27.8	82.7	53.96	723.67
Deltapine DP 445 BG/RR	1324	38.8	4.5	1.12	31.6	83.2	54.24	721.42
Phytogen PHY 310 R	1322	39.3	4.6	1.08	30.0	82.5	52.20	698.04
Stoneville ST 5242BR	1314	38.4	4.6	1.09	27.7	82.9	52.23	689.79
FiberMax FM 960 BR	1298	37.2	4.5	1.11	31.0	82.7	53.44	700.02
Stoneville ST 4575BR	1297	38.2	4.6	1.10	30.9	82.6	52.84	692.02
Phytogen PHY 480 WR	1285	36.6	4.6	1.13	31.6	83.7	53.99	700.77
Phytogen PHY 470 WR	1262	37.9	4.6	1.11	30.5	83.3	53.35	680.28
Deltapine DP 444 BG/RR	1257	38.8	4.3	1.11	28.3	82.9	53.32	672.25
FiberMax FM 960 B2R	1245	37.0	4.5	1.15	30.4	82.8	54.25	682.81
FiberMax FM 958 LL	1171	37.0	4.6	1.17	30.3	83.1	54.48	643.89
Mean	1317	38.5	4.6	1.11	29.6	82.8	53.21	706.22
LSD_{0.05}	50	0.4	0.1	0.01	0.3	0.2	0.36	28.15
CV (%)	10.1	2.6	3.7	1.6	3.0	0.7	1.9	10.35

*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 2007.

TABLE 3. Two-year performance of early maturing Roundup Ready Flex cotton varieties across four Louisiana locations (2005 and 2006).

Variety	Lint	Lint	Mike	UHM	Strength	UI	Loan Value	Gross Value
	lb/acre	percent		inches	g/tex	percent	cent/lb	\$/acre
‡Deltapine DP 555 BG/RR	1443*	40.7	4.6	1.09	26.8	81.7	52.20	763.56
‡Stoneville ST 5599BR	1390*	39.1	4.7	1.11	28.5	82.3	52.42	739.32
‡Stoneville ST 5242BR	1357	38.3	4.5	1.09	27.3	82.7	52.26	719.59
Phytogen PHY 485 WRF	1339	38.1	4.7	1.11	30.9	83.3	53.38	726.03
Stoneville ST 4554B2RF	1335	37.9	4.5	1.12	31.3	82.6	53.87	731.05
Deltapine DP 117 B2RF	1332	38.5	4.5	1.13	30.3	82.4	53.57	730.02
‡FiberMax FM 960 BR	1329	37.1	4.5	1.11	30.8	82.6	53.55	722.80
Stoneville ST 4664RF	1328	38.3	4.3	1.10	30.5	82.4	53.24	718.83
Phytogen PHY 425 RF	1321	37.3	4.7	1.11	30.9	83.2	53.15	710.29
Deltapine DP 110 RF	1321	37.9	4.4	1.12	33.4	82.9	53.83	724.44
‡Deltapine DP 444 BG/RR	1317	39.0	4.3	1.11	28.0	82.6	53.14	712.30
Croplan CG 4020 B2RF	1250	36.9	4.1	1.14	27.2	82.7	54.06	685.84
Croplan CG 3520 B2RF	1238	36.4	4.2	1.13	27.1	82.6	53.92	670.28
Beltwide BW 4021 B2RF	1226	34.7	3.9	1.11	26.6	82.2	53.28	656.84
Dynagro DG 2242 B2RF	1219	36.3	4.1	1.12	27.0	82.3	53.57	665.94
Croplan CG 3020 B2RF	1189	35.3	4.1	1.09	26.6	82.4	52.51	638.93
Beltwide BW 3255 B2RF	1181	35.4	4.1	1.09	26.7	82.7	52.95	638.00
Dynagro DG 2215 B2RF	1171	34.9	3.9	1.11	26.8	82.3	53.23	635.09
Dynagro DG 2100 B2RF	1151	35.6	4.1	1.09	26.7	82.6	52.52	612.46
Mean	1287	37.3	4.3	1.11	28.6	82.6	53.19	695.05
LSD_{0.05}	59	0.5	0.1	0.01	0.4	0.3	0.45	33.86
CV (%)	10.2	3.2	4.5	1.6	3.1	0.7	1.9	10.4

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

‡Non-Roundup Ready Flex variety included for comparison purposes only.

†Experimental. Seed of this variety may or may not be available in 2007.

TABLE 4. One-year performance of early maturing cotton varieties across seven Louisiana locations (2006).

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cent/lb	Gross Value \$/acre
Deltapine DP 454 BG/RR	1374*	40.7	4.2	1.07	27.2	81.8	51.77	718.09
‡Deltapine DP 555 BG/RR	1374*	40.6	4.7	1.10	27.0	81.8	52.23	726.25
‡Stoneville ST 5599BR	1329*	39.3	4.8	1.11	28.2	82.0	51.74	699.91
Stoneville ST 4575BR	1270	38.1	4.6	1.10	30.9	82.5	52.52	676.38
Deltapine DP 117 B2RF	1267	37.9	4.5	1.13	30.6	82.3	53.64	695.40
Stoneville ST 4427 B2RF	1264	36.9	4.4	1.12	28.9	82.8	53.24	689.32
Phytogen PHY 370WR	1258	38.9	4.7	1.09	29.6	82.4	52.18	670.61
†Syngenta DX25105N	1257	39.0	4.7	1.12	28.7	82.0	52.71	675.69
Phytogen PHY 310R	1253	39.0	4.6	1.08	29.9	82.3	52.09	670.65
Stoneville ST 4554B2RF	1252	37.5	4.5	1.11	31.5	82.4	53.33	677.75
Stoneville ST 5242BR	1243	38.4	4.6	1.09	27.2	82.5	51.72	649.88
Deltapine DP 445 BG/RR	1241	38.4	4.5	1.12	31.8	83.1	54.16	681.23
Phytogen PHY 425 RF	1238	37.0	4.8	1.12	31.1	83.3	52.76	661.24
Stoneville ST 4664RF	1230	37.7	4.4	1.10	30.9	82.4	53.35	668.81
Phytogen PHY 485 WRF	1226	37.8	4.7	1.11	31.5	83.1	53.31	663.84
Deltapine DP 432 RR	1225	37.2	4.6	1.10	30.5	82.7	53.13	665.35
Phytogen PHY 470 WR	1218	38.2	4.7	1.10	30.5	82.9	53.01	659.37
Deltapine DP 434 RR	1213	39.4	4.4	1.12	27.6	82.4	53.67	661.19
Phytogen PHY 480WR	1205	36.5	4.6	1.12	31.5	83.4	53.31	657.88
Deltapine DP 444 BG/RR	1196	38.2	4.3	1.11	28.3	82.7	53.30	645.18
Deltapine DP 110 RF	1187	37.6	4.5	1.12	33.9	82.8	53.85	648.65
Deltapine DP 121 RF	1186	39.0	4.6	1.11	30.3	82.9	53.65	648.06
FiberMax FM 960 BR	1168	36.8	4.5	1.11	30.6	82.4	52.96	627.48
Stoneville ST 4357 B2RF	1154	36.9	4.2	1.13	26.8	82.5	53.64	630.61
FiberMax FM 960 B2R	1144	36.8	4.5	1.14	29.9	82.4	53.77	629.88
FiberMax FM 9060 F	1135	37.8	4.3	1.15	27.7	82.2	54.01	620.58
Dynagro DG 2242 B2RF	1135	36.2	4.2	1.12	27.3	82.6	53.52	618.11
Croplan CG 4020 B2RF	1134	36.5	4.2	1.14	27.2	82.6	53.91	621.02
†Deltapine DPLX06W650F	1131	37.6	4.3	1.13	29.2	82.6	53.65	615.53
FiberMax FM 958 LL	1125	36.3	4.5	1.16	29.7	83.1	54.41	620.33
FiberMax FM 9063 B2RF	1120	35.8	4.3	1.16	30.7	82.6	54.35	620.97
Beltwide BW 4630 B2RF	1120	36.6	4.3	1.12	26.6	82.3	53.45	608.66
FiberMax FM 9068 F	1115	36.3	4.3	1.15	30.7	82.9	54.46	615.75
Dynagro DG 2100 B2RF	1087	35.5	4.1	1.09	26.6	82.7	52.57	587.92
Beltwide BW 2038 B2RF	1084	36.1	4.2	1.12	27.3	82.7	53.56	587.92
Stoneville ST 4700 B2RF	1071	36.2	4.2	1.12	27.3	82.5	53.55	583.36
Dynagro DG 2215 B2RF	1068	34.9	4.0	1.11	27.0	82.4	53.23	582.80
Beltwide BW 3255 B2RF	1063	35.1	4.1	1.09	26.7	82.6	52.68	575.30
Croplan CG 3020 B2RF	1062	34.4	4.1	1.09	26.7	82.3	52.52	571.32
FiberMax FM 955 B2LL	1062	35.0	4.6	1.16	29.0	83.0	53.82	579.19
Croplan CG 3520 B2RF	1051	36.1	4.1	1.12	27.0	82.5	53.44	570.04
FiberMax 965 B2LL	1049	34.5	4.4	1.15	31.0	83.6	54.53	581.87
Beltwide BW 4021 B2RF	1032	34.1	4.0	1.10	26.7	82.1	52.78	552.71
Mean	1177	37.2	4.4	1.12	29.1	82.6	53.24	637.23
LSD_{0.05}	63	0.6	0.1	0.01	0.5	0.3	0.48	36.01
CV (%)	11.1	3.8	4.5	1.8	3.4	0.7	1.9	11.3

*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 2007.

ALL LOUISIANA LOCATIONS MEDIUM MATURING

TABLE 5. Three-year performance of medium maturing cotton varieties across six Louisiana locations. (2004, 2005 & 2006).

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	1438*	41.1	4.6	1.12	28.4	82.0	53.11	764.87
Stoneville ST 5599BR	1406*	38.6	4.7	1.13	29.7	82.8	53.25	747.79
‡Stoneville ST 5242BR	1338	38.4	4.5	1.11	28.5	83.1	53.32	709.94
Deltapine DP 488 BG/RR	1319	38.4	4.5	1.17	30.8	83.0	54.43	715.30
Deltapine DP 494 RR	1295	39.2	4.6	1.16	32.3	83.3	54.34	705.00
‡Deltapine DP 444 BG/RR	1289	38.5	4.2	1.12	29.1	83.2	53.85	696.74
FiberMax FM 800 B2R	1207	37.2	4.1	1.19	31.9	83.9	54.89	661.88
FiberMax FM 991 B2R	1127	35.3	4.3	1.17	31.8	83.3	54.73	618.85
Mean	1302	38.3	4.5	1.15	30.3	83.1	53.99	702.66
LSD_{0.05}	41	0.3	0.1	0.01	0.3	0.2	0.21	22.7
CV (%)	10.6	3.0	3.5	1.6	3.2	0.8	1.3	10.7

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

‡Early maturity variety included for comparison purposes only.

TABLE 6. Two-year performance of medium maturing cotton varieties, excluding Roundup Ready Flex varieties, across six Louisiana locations (2005 & 2006).

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	1419*	41.1	4.6	1.10	27.4	81.6	52.45	748.24
Stoneville ST 5599BR	1400*	38.8	4.7	1.11	28.6	82.3	52.86	739.90
‡Stoneville ST 5242BR	1347	38.7	4.5	1.10	27.8	82.8	52.86	714.85
Deltapine DP 488 BG/RR	1315	38.1	4.5	1.16	29.7	82.6	54.18	711.12
Deltapine DP 494 RR	1311	39.2	4.7	1.16	31.3	82.9	54.03	713.56
‡Deltapine DP 444 BG/RR	1279	38.7	4.2	1.11	28.1	82.7	53.34	686.87
FiberMax FM 800 B2R	1245	37.5	4.2	1.18	31.1	83.5	54.80	683.32
FiberMax FM 991 B2R	1107	35.3	4.3	1.15	30.9	82.8	54.60	609.65
Mean	1303	38.4	4.5	1.13	29.4	82.7	53.64	701.11
LSD_{0.05}	46	0.4	0.1	0.01	0.3	0.2	0.3	25.03
CV (%)	9.6	3.0	3.4	1.5	3.0	0.8	1.5	9.5

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

‡Early maturity variety included for comparison purposes only.

TABLE 7. Two-year performance of medium maturing Roundup Ready Flex cotton varieties across four Louisiana locations (2005 & 2006).

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	1532	41.2	4.7	1.10	27.5	81.7	52.41	815.99
‡Stoneville ST 5599BR	1456	38.9	4.7	1.12	29.6	82.3	53.01	770.38
Deltapine DP 147 RF	1367	38.7	4.2	1.17	28.1	82.4	54.25	746.59
‡Stoneville ST 5242BR	1355	38.8	4.6	1.10	27.8	82.9	53.07	724.39
Deltapine DP 164 B2RF	1339	36.5	4.4	1.15	28.5	82.5	54.13	729.01
Deltapine DP 143 B2RF	1331	37.6	4.1	1.19	28.5	82.0	54.29	724.35
Deltapine DP 167 RF	1314	37.2	4.3	1.15	30.1	82.9	54.34	724.57
Dynagro DG 2520 B2RF	1312	37.2	4.3	1.14	27.4	82.7	54.11	712.60
‡Deltapine DP 444 BG/RR	1301	38.6	4.2	1.10	28.0	82.9	53.47	700.77
Stoneville ST 6611B2RF	1287	34.7	4.4	1.12	29.6	82.8	53.82	699.26
Stoneville ST 6622RF	1253	36.5	4.4	1.13	29.8	82.9	53.96	688.84
Mean	1349	37.8	4.4	1.13	28.5	82.5	53.72	730.16
LSD_{0.05}	59	0.5	0.1	0.01	0.4	0.3	0.33	34.20
CV (%)	9.8	3.0	4.4	1.9	3.1	0.7	1.4	9.9

‡Non-Roundup Ready Flex variety included for comparison purposes only.

TABLE 8. One-year performance of medium maturing cotton varieties across seven Louisiana locations (2006).

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	1441*	41.3	4.7	1.10	27.1	81.5	52.12	755.79
Stoneville ST 5599BR	1390*	38.7	4.8	1.12	28.4	82.2	52.35	728.60
Deltapine DP 515 BG/RR	1345	38.9	4.7	1.12	28.3	82.4	53.01	714.89
Deltapine DP 488 BG/RR	1333	37.8	4.6	1.16	29.9	82.7	54.12	725.64
‡Stoneville ST 5242BR	1328	39.1	4.6	1.10	27.5	82.6	52.72	704.25
Deltapine DP 494 RR	1309	39.1	4.7	1.16	31.2	82.8	53.69	705.44
Deltapine DP 455 BG/RR	1300	39.4	4.2	1.12	28.9	81.8	53.73	706.66
Deltapine DP 143 B2RF	1288	37.4	4.2	1.19	28.5	82.0	54.27	704.55
Deltapine DP 449 BG/RR	1271	36.7	4.7	1.11	29.5	82.4	53.26	683.92
Deltapine DP 164 B2RF	1265	36.4	4.5	1.15	28.4	82.5	54.11	688.20
Stoneville ST 5283RF	1258	38.5	4.5	1.12	31.9	83.0	54.22	683.61
Deltapine DP 147 RF	1251	38.1	4.3	1.17	27.9	82.1	54.24	679.34
Deltapine DP 167 RF	1247	37.8	4.4	1.14	30.7	83.0	54.13	683.75
‡Deltapine DP 444 BG/RR	1246	38.3	4.3	1.10	27.7	82.7	53.02	670.22
Stoneville ST 5327B2RF	1246	37.0	4.4	1.14	30.4	82.9	54.21	683.99
Dynagro DG 2520 B2RF	1193	36.3	4.3	1.13	27.5	82.6	53.89	646.60
†Dynagro DXN2429	1175	36.1	4.8	1.11	33.4	83.6	53.19	605.96
FiberMax FM 800 B2R	1171	36.9	4.2	1.18	31.0	83.5	54.77	644.98
Dynagro DG 2490 B2RF	1167	35.3	3.8	1.08	27.6	82.1	52.36	614.88
Stoneville ST 6622RF	1145	35.8	4.5	1.12	29.6	82.7	53.94	624.64
Stoneville ST 6565 B2RF	1138	32.9	4.5	1.14	29.2	82.7	54.13	619.20
Phytogen PHY 745 WRF	1132	36.2	4.4	1.14	33.5	82.8	54.58	616.18
Stoneville ST 6611B2RF	1130	33.8	4.4	1.12	29.5	82.8	53.78	615.75
Beltwide BW 8391 B2RF	1124	33.9	4.2	1.15	28.7	83.3	54.24	614.86
FiberMax FM 991 B2R	1069	35.0	4.4	1.15	30.9	82.9	54.61	588.49
†Dynagro OA 265BR	872	34.3	4.0	1.15	34.8	83.2	54.89	478.35
Mean	1228	37.0	4.4	1.13	29.6	82.6	53.73	663.25
LSD_{0.05}	56	0.7	0.1	0.01	0.5	0.3	0.42	31.89
CV (%)	9.0	3.6	4.3	1.6	3.3	0.7	1.5	9.1

*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 2007.

ALEXANDRIA SILT LOAM EARLY

TABLE 9. Three-year performance of early maturing cotton varieties on Norwood silt loam at Alexandria, La. (2004, 2005 & 2006).

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	1399*	40.4	4.5	1.14	28.9	82.8	54.14	756.95
Stoneville ST 4575BR	1341*	37.4	4.5	1.13	31.9	83.3	54.19	730.08
‡Stoneville ST 5599BR	1331*	38.5	4.5	1.13	30.2	83.0	53.78	718.40
Deltapine DP 444 BG/RR	1303*	37.9	4.2	1.13	29.9	83.5	54.05	701.46
Deltapine DP 432 RR	1279*	37.3	4.4	1.12	30.6	83.4	54.25	719.51
Stoneville ST 5242BR	1253*	37.2	4.4	1.11	28.9	82.9	53.50	675.39
FiberMax FM 958 LL	1246*	36.8	4.5	1.17	31.9	83.9	54.58	679.92
Deltapine DP 434 RR	1228*	38.1	4.3	1.16	29.0	83.4	54.30	669.20
FiberMax FM 960 BR	1162	36.7	4.3	1.13	32.4	83.0	54.38	631.08
Deltapine DP 445 BG/RR	1138	37.4	4.5	1.14	32.2	83.6	54.68	621.15
FiberMax 960 B2R	1111	36.5	4.4	1.17	31.9	83.3	54.74	608.53
Mean	1253	37.6	4.4	1.14	30.70	83.28	54.24	682.39
LSD_{0.05}	179	1.0	0.2	0.01	0.9	0.5	0.5	93.0
CV (%)	13.0	3.3	5.6	1.69	4.17	0.74	1.27	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**.

TABLE 10. Two-year performance of early maturing cotton varieties, excluding Roundup Ready Flex varieties, on Norwood silt loam at Alexandria, La. (2005 & 2006).

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
†Syngenta DX25105N	1589*	40.1	4.5	1.15	29.2	82.8	54.39	865.14
‡Deltapine DP 555 BG/RR	1390*	40.5	4.5	1.12	27.0	82.1	53.76	750.59
Phytogen PHY 310 R	1370	39.5	4.6	1.10	31.1	83.0	53.65	739.98
Deltapine DP 454 BG/RR	1368	40.4	3.9	1.12	28.0	83.0	53.89	737.05
Phytogen PHY 370 WR	1348	39.1	4.7	1.10	30.4	83.1	53.40	719.97
Deltapine DP 444 BG/RR	1323	38.1	4.1	1.11	28.5	83.0	53.58	708.61
‡Stoneville ST 5599BR	1315	38.7	4.3	1.13	29.3	82.7	54.21	711.87
Stoneville ST 4575BR	1310	37.6	4.4	1.12	31.1	82.9	53.89	710.59
FiberMax FM 958 LL	1307	37.4	4.4	1.18	30.8	83.8	54.76	715.34
Deltapine DP 432 RR	1305	37.1	4.5	1.11	30.0	83.3	54.09	706.73
Stoneville ST 5242BR	1229	37.4	4.1	1.10	27.8	82.6	53.06	659.29
Phytogen PHY 470 WR	1208	38.0	4.4	1.12	30.6	83.3	54.18	654.67
Deltapine DP 434 RR	1196	37.9	4.1	1.15	27.8	83.0	54.39	650.56
Phytogen PHY 480 WR	1190	36.5	4.3	1.15	31.7	84.0	54.95	654.00
FiberMax FM 960 BR	1188	36.9	4.1	1.12	31.0	83.0	54.18	643.79
Deltapine DP 445 BG/RR	1122	37.5	4.4	1.13	31.9	83.0	54.54	737.05
FiberMax FM 960 B2R	1068	36.4	4.2	1.16	30.4	83.0	54.64	583.84
Mean	1284	38.2	4.3	1.13	29.8	83.0	54.09	695.55
LSD_{0.05}	211	1.1	0.1	0.01	0.8	0.6	0.5	118.1
CV (%)	13.5	3.2	4.8	1.5	3.2	0.7	1.1	13.6

*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 2007

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

TABLE 11. Two-year performance of early maturing Roundup Ready Flex cotton varieties on Norwood silt loam at Alexandria, La. (2005 & 2006).

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
‡Stoneville ST 5242BR	1586*	37.9	4.2	1.09	27.5	82.7	52.63	775.77
‡Deltapine DP 444 BG/RR	1529*	38.8	4.1	1.12	28.3	83.0	53.81	776.79
‡Deltapine DP 555 BG/RR	1476*	39.8	4.6	1.12	27.6	82.1	53.27	818.28
Phytogen PHY 485 WRF	1444*	37.8	4.5	1.13	30.7	83.5	54.28	782.71
‡Stoneville ST 5599BR	1443*	38.6	4.4	1.13	29.1	82.6	54.05	731.57
Deltapine DP 117 B2RF	1419*	38.1	4.0	1.14	30.5	82.6	54.72	776.92
Stoneville ST 4554B2RF	1411*	37.3	4.4	1.14	31.9	83.4	54.70	772.75
Stoneville ST 4664RF	1374*	38.1	4.3	1.11	30.5	82.8	53.69	738.25
Croplan CG 4020 B2RF	1351*	36.8	4.1	1.15	27.7	83.6	54.49	736.14
‡FiberMax FM 960 BR	1340*	36.6	4.3	1.12	30.0	83.0	54.30	741.34
Deltapine DP 110 RF	1337*	38.9	4.2	1.14	33.7	83.3	54.73	731.56
Dynagro DG 2242 B2RF	1318*	35.6	4.0	1.14	27.5	82.6	54.29	715.80
Croplan CG 3020 B2RF	1299*	34.1	3.9	1.10	26.9	82.9	53.39	695.86
Croplan CG 3520 B2RF	1290*	36.4	4.1	1.14	27.0	83.0	54.33	700.51
Phytogen PHY 425 RF	1286*	36.9	4.5	1.14	31.4	83.9	54.76	703.54
Beltwide BW 3255 B2RF	1243	35.3	3.9	1.12	26.7	82.9	54.00	670.70
Beltwide BW 4021 B2RF	1236	34.9	3.8	1.12	26.9	82.8	53.85	666.35
Dynagro DG 2215 B2RF	1197	34.8	3.6	1.11	27.0	82.4	53.38	640.11
Dynagro DG 2100 B2RF	1193	35.0	3.8	1.10	26.4	82.9	53.24	633.57
Mean	1335	36.7	4.1	1.12	28.8	83.0	54.0	726.92
LSD_{0.05}	324	1.7	0.1	0.01	0.7	0.5	0.5	124.9
CV (%)	12.8	4.3	5.1	1.3	3.0	0.7	1.2	12.4

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

‡Non-Roundup Ready Flex variety included for comparison purposes only.

NOTE: Promising varieties for this location are shaded.

TABLE 12. One-year performance of early maturing cotton varieties on Norwood silt loam at Alexandria, La. (2006).

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cent/lb	Gross Value \$/acre
†Syngenta DX25105N	1746*	39.8	4.5	1.14	28.6	82.4	54.18	945.43
Phytogen PHY 310R	1645*	39.3	4.8	1.09	31.0	83.1	53.29	888.56
Stoneville ST 5242BR	1586*	37.9	4.0	1.09	27.3	82.4	52.15	843.29
Deltapine DP 444 BG/RR	1529*	38.8	4.3	1.12	28.6	83.2	53.89	824.95
Phytogen PHY 370WR	1522*	39.8	5.0	1.09	30.0	83.1	52.56	799.44
Stoneville ST 4575BR	1519*	37.0	4.8	1.12	30.5	83.1	53.48	823.41
FiberMax FM 958 LL	1518*	37.4	4.5	1.18	30.6	84.1	54.71	830.19
Deltapine DP 454 BG/RR	1510*	40.7	3.9	1.11	28.1	82.7	53.55	808.82
Deltapine DP 121 RF	1490*	39.3	4.5	1.13	30.2	83.3	54.19	806.85
Deltapine DP 432 RR	1486*	37.4	4.6	1.11	30.1	83.6	54.11	806.62
‡Deltapine DP 555 BG/RR	1476*	39.8	4.6	1.11	27.3	81.6	53.21	791.34
Stoneville ST 4664RF	1465*	38.5	4.5	1.11	30.5	83.0	53.65	785.43
FiberMax FM 9060 F	1454*	39.0	4.1	1.18	28.2	82.5	54.31	789.78
‡Stoneville ST 5599BR	1443*	38.6	4.2	1.13	28.4	82.3	54.00	779.32
Deltapine DP 117 B2RF	1442*	36.9	3.9	1.15	30.2	82.4	54.60	786.97
Stoneville ST 4554B2RF	1438*	36.8	4.3	1.14	31.8	83.2	54.70	788.55
Croplan CG 4020 B2RF	1427*	37.6	4.2	1.16	28.0	83.9	54.50	778.18
Stoneville ST 4427 B2RF	1414*	37.8	4.6	1.14	30.0	83.5	54.36	770.60
†Deltapine DPLX06W650F	1413*	37.6	4.1	1.14	29.0	82.8	54.33	770.62
Croplan CG 3020 B2RF	1398*	33.7	4.1	1.10	27.0	83.0	53.36	752.14
Deltapine DP 434 RR	1388*	38.4	4.3	1.14	27.7	83.3	54.38	754.67
Phytogen PHY 425 RF	1374*	36.4	4.6	1.13	31.8	83.8	54.70	749.01
Dynagro DG 2242 B2RF	1369*	36.3	4.1	1.14	27.1	82.6	54.39	744.51
Phytogen PHY 485 WRF	1360*	37.7	4.6	1.12	31.2	83.7	54.31	736.97
Deltapine DP 445 BG/RR	1357*	37.9	4.5	1.13	31.8	83.4	54.50	736.92
FiberMax FM 955 B2LL	1343*	36.2	4.5	1.17	28.3	83.4	54.38	730.06
FiberMax FM 960 BR	1340*	36.6	4.4	1.12	31.0	82.8	54.23	726.99
Phytogen PHY 470 WR	1333*	38.2	4.3	1.12	30.2	83.0	53.94	719.84
FiberMax FM 9068 F	1326*	37.4	4.0	1.18	30.3	83.3	54.83	727.20
FiberMax 965 B2LL	1306*	35.3	4.4	1.16	30.7	84.0	54.64	712.25
Croplan CG 3520 B2RF	1305*	36.7	4.1	1.14	27.1	83.4	54.48	710.75
Phytogen PHY 480WR	1245	35.9	4.3	1.14	31.3	83.7	55.00	685.52
Stoneville ST 4357 B2RF	1243	37.5	4.2	1.15	26.4	83.2	54.31	675.46
Dynagro DG 2215 B2RF	1238	35.9	3.7	1.13	26.9	82.7	54.01	668.31
Deltapine DP 110 RF	1230	38.7	4.0	1.13	33.3	83.2	54.59	670.27
Beltwide BW 4021 B2RF	1198	35.2	4.0	1.11	27.1	82.8	53.55	642.38
Dynagro DG 2100 B2RF	1196	34.9	3.8	1.10	26.5	83.1	53.10	627.05
Beltwide BW 2038 B2RF	1191	36.7	4.1	1.14	27.2	83.3	54.31	646.85
FiberMax FM 9063 B2RF	1189	36.3	4.1	1.17	30.9	82.5	54.75	649.96
Beltwide BW 3255 B2RF	1185	35.0	4.0	1.11	26.2	82.7	53.85	637.98
Beltwide BW 4630 B2RF	1149	36.5	3.9	1.14	27.1	82.9	54.28	625.94
FiberMax FM 960 B2R	1112	35.9	4.4	1.15	30.3	82.1	54.51	606.36
Stoneville ST 4700 B2RF	1093	36.4	4.0	1.14	27.2	83.0	54.24	594.26
Mean	1371	37.3	4.3	1.13	29.1	83.0	54.10	742.76
LSD_{0.05}	494	2.0	0.3	0.02	1.0	1.0	0.7	285.6
CV (%)	13.6	4.0	5.5	1.4	2.8	0.8	1.0	13.8

*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 2007.

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

ALEXANDRIA SILT LOAM MEDIUM

TABLE 13. Three-year performance of medium maturing cotton varieties on Norwood silt loam at Alexandria, La. (2004, 2005 & 2006).

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	1617	41.6	4.7	1.13	28.9	82.7	54.03	873.23
Stoneville ST 5599BR	1387	39.8	4.8	1.13	29.9	82.9	53.05	737.67
Deltapine DP 494 RR	1340	39.7	4.5	1.17	32.4	83.6	54.84	734.52
Deltapine DP 488 BG/RR	1316	38.5	4.4	1.17	30.8	82.9	54.55	717.40
‡Stoneville ST 5242BR	1283	39.0	4.6	1.12	29.3	83.5	53.92	691.88
‡Deltapine DP 444 BG/RR	1209	39.1	4.2	1.12	29.3	83.3	54.07	652.74
FiberMax FM 800 B2R	1196	38.0	4.1	1.21	32.8	84.3	55.00	657.50
FiberMax FM 991 B2R	1018	36.2	4.5	1.18	33.4	83.9	54.91	558.86
Mean	1295	39.0	4.5	1.15	30.8	83.4	54.29	702.41
LSD_{0.05}	135	1.0	0.1	0.01	0.8	0.4	0.3	68.9
CV (%)	12.2	3.3	3.8	1.7	3.7	0.8	0.9	12.4

‡Early maturity variety included for comparison purposes only.

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

TABLE 14. Two-year performance of medium maturing cotton varieties, excluding Roundup Ready Flex varieties, on Norwood silt loam at Alexandria, La. (2005 & 2006).

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	1634	41.9	4.7	1.13	27.9	82.4	53.7	877.81
Stoneville ST 5599BR	1446	40.7	4.7	1.12	28.7	82.5	53.6	775.59
Deltapine DP 494 RR	1374	40.4	4.4	1.17	31.6	83.3	54.8	753.07
Deltapine DP 488 BG/RR	1351	38.9	4.3	1.16	29.8	82.5	54.4	735.23
‡Stoneville ST 5242BR	1287	39.7	4.5	1.11	28.5	83.5	53.7	691.42
‡Deltapine DP 444 BG/RR	1241	39.7	4.1	1.11	28.3	82.9	53.7	667.08
FiberMax FM 800 B2R	1224	38.6	4.0	1.21	31.5	84.0	54.9	672.01
FiberMax FM 991 B2R	985	36.7	4.5	1.17	32.5	83.6	54.9	540.73
Mean	1318	39.6	4.4	1.15	29.9	83.1	54.22	714.12
LSD_{0.05}	155	0.9	0.1	0.01	0.8	0.5	0.5	85.9
CV (%)	12.5	2.5	4.2	1.4	3.1	0.7	1.0	12.6

‡Early maturity variety included for comparison purposes only.

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

TABLE 15. Two-year performance of medium maturing Roundup Ready Flex cotton varieties on Norwood silt loam at Alexandria, La. (2005 & 2006).

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	1667*	41.9	4.7	1.13	27.9	82.4	53.71	895.01
‡Stoneville ST 5599BR	1576*	41.0	4.7	1.12	28.7	82.5	53.63	844.64
Dynagro DG 2520 B2RF	1442	38.4	4.3	1.15	27.5	83.3	54.36	783.45
Deltapine DP 147 RF	1400	40.1	4.1	1.18	28.5	82.9	54.41	761.91
‡Stoneville ST 5242BR	1397	40.0	4.5	1.11	28.5	83.5	53.71	750.53
Deltapine DP 143 B2RF	1357	38.9	4.1	1.20	28.6	82.4	54.29	736.56
Stoneville ST 6622RF	1342	37.7	4.4	1.13	29.9	83.4	54.37	729.34
‡Deltapine DP 444 BG/RR	1328	40.3	4.1	1.11	28.3	82.9	53.69	713.37
Deltapine DP 167 RF	1306	37.3	4.3	1.17	29.5	83.3	54.51	712.16
Deltapine DP 164 B2RF	1305	36.2	4.5	1.15	29.0	82.9	54.33	709.10
Stoneville ST 6611B2RF	1236	35.4	4.4	1.12	29.8	83.0	54.02	667.90
Mean	1396	38.8	4.4	1.14	28.7	83.0	54.09	754.91
LSD_{0.05}	172	1.3	0.1	0.01	0.7	0.4	0.4	95.1
CV (%)	12.1	3.7	4.4	1.4	2.6	0.6	0.9	12.18

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

‡Non-Roundup Ready Flex variety included for comparison purposes only.

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

TABLE 16. One-year performance of medium maturing cotton varieties on Norwood silt loam at Alexandria, La. (2006).

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	1730*	42.9	4.8	1.13	27.7	82.0	53.56	927.31
Dynagro DG 2520 B2RF	1533*	39.6	4.4	1.14	27.4	83.4	54.38	833.33
Stoneville ST 5599BR	1529*	41.2	4.5	1.13	27.8	82.1	54.00	825.45
Deltapine DP 515 BG/RR	1507	40.0	4.7	1.14	28.2	82.8	54.04	814.11
Deltapine DP 455 BG/RR	1498	41.6	4.4	1.14	28.7	82.4	54.01	808.99
Stoneville ST 5327B2RF	1486	41.5	4.9	1.15	32.0	84.1	53.54	795.64
Deltapine DP 167 RF	1451	39.4	4.3	1.15	29.4	83.4	54.51	790.88
Deltapine DP 449 BG/RR	1421	38.8	5.0	1.11	29.8	83.4	52.71	749.72
Deltapine DP 488 BG/RR	1403	39.5	4.4	1.16	30.0	82.5	54.51	764.47
Deltapine DP 494 RR	1403	41.1	4.3	1.16	31.1	82.8	54.76	768.23
Stoneville ST 6622RF	1382	38.4	4.6	1.13	29.5	83.5	54.20	749.06
†Dynagro DXN2429	1360	37.7	4.7	1.13	32.3	83.3	54.55	741.55
Deltapine DP 164 B2RF	1336	37.1	4.7	1.16	29.0	83.4	54.28	725.34
‡Stoneville ST 5242BR	1321	40.3	4.4	1.12	28.3	83.4	53.75	709.88
Stoneville ST 5283RF	1313	40.6	4.6	1.12	30.8	83.0	54.20	711.87
Deltapine DP 143 B2RF	1302	39.2	4.2	1.21	28.3	82.2	54.31	707.30
Deltapine DP 147 RF	1264	40.3	4.1	1.18	27.8	82.6	54.44	688.15
‡Deltapine DP 444 BG/RR	1262	40.4	4.3	1.12	27.9	83.2	54.13	683.32
Phytogen PHY 745 WRF	1234	36.9	4.6	1.13	33.0	83.2	54.49	672.51
FiberMax FM 800 B2R	1203	39.5	4.2	1.20	30.6	83.7	54.79	659.20
Beltwide BW 8391 B2RF	1200	36.2	4.2	1.16	28.6	83.7	54.53	654.00
Stoneville ST 6611B2RF	1198	35.4	4.5	1.12	29.2	83.3	53.79	644.24
Dynagro DG 2490 B2RF	2280	37.2	3.8	1.08	27.8	82.9	52.59	615.96
Stoneville ST 6565 B2RF	1165	35.2	4.6	1.14	29.2	83.3	54.45	634.29
FiberMax FM 991 B2R	913	37.6	4.7	1.17	32.4	83.7	54.85	500.83
†Dynagro OA 265BR	784	35.0	4.0	1.14	34.3	83.4	55.03	431.20
Mean	1322	38.9	4.4	1.14	29.6	83.1	54.17	715.65
LSD_{0.05}	203	1.4	0.2	0.01	1.1	0.8	0.7	111.4
CV (%)	11.4	2.9	4.7	1.3	3.1	0.7	1.0	11.45

*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 2007.

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

ALEXANDRIA CLAY EARLY

TABLE 17. Three-year performance of early maturing cotton varieties on Moreland clay at Alexandria, La. (2004, 2005 & 2006).

Variety	Lint	Lint	Mike	UHM	Strength	UI	Loan Value	Gross Value
	lb/acre	percent		inches	g/tex	percent	cents/lb	\$/acre
FiberMax FM 960 BR	1343*	39.0	4.5	1.14	33.2	83.7	54.69	734.10
‡Deltapine DP 555 BG/RR	1321*	41.6	4.6	1.15	29.5	82.8	54.37	718.52
FiberMax 960 B2R	1302*	38.6	4.5	1.18	32.5	83.7	54.83	713.76
Stoneville ST 5242BR	1291*	40.1	4.5	1.13	29.4	83.7	54.37	700.61
‡Stoneville ST 5599BR	1287*	38.8	4.6	1.15	31.0	83.3	54.45	700.60
Deltapine DP 434 RR	1268*	40.6	4.4	1.17	29.8	84.1	54.65	693.20
FiberMax FM 958 LL	1178*	38.0	4.5	1.19	32.7	84.4	54.89	646.32
Deltapine DP 445 BG/RR	1165*	39.7	4.7	1.16	33.3	84.5	54.89	639.62
Stoneville ST 4575BR	1161*	37.8	4.8	1.12	32.9	83.7	53.68	627.83
Deltapine DP 432 RR	1146	38.3	4.8	1.13	32.0	83.7	53.65	616.53
Deltapine DP 444 BG/RR	1126	39.3	4.3	1.13	30.5	83.9	54.42	613.53
Mean	1236	39.3	4.6	1.15	31.5	83.8	54.45	673.70
LSD_{0.05}	184	1.1	0.1	0.01	0.6	0.4	0.3	99.4
CV (%)	15.0	3.6	3.1	1.4	2.9	0.6	0.8	15.16

*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**.

TABLE 18. Two-year performance of early maturing cotton varieties on Moreland clay at Alexandria, La. (2005 & 2006).

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	1429*	42.3	4.6	1.13	28.3	82.5	54.13	774.73
FiberMax FM 960 B2R	1400*	38.5	4.5	1.17	31.4	83.4	54.78	766.83
Phytogen PHY 370 WR	1397*	39.9	4.6	1.12	30.5	83.6	54.15	756.76
FiberMax FM 960 BR	1382*	38.6	4.4	1.14	31.6	83.3	54.56	753.47
Phytogen PHY 480 WR	1377*	38.1	4.5	1.15	32.1	84.1	54.88	755.67
Stoneville ST 5242BR	1359*	39.7	4.4	1.13	28.1	83.5	54.10	734.19
Deltapine DP 454 BG/RR	1342*	42.1	4.2	1.11	28.5	82.9	53.81	721.41
Phytogen PHY 470 WR	1341*	39.4	4.5	1.13	30.9	83.9	54.37	729.24
‡Stoneville ST 5599BR	1324*	39.5	4.6	1.14	29.5	83.0	54.24	717.83
†Syngenta DX25105N	1316*	39.9	4.7	1.17	30.0	83.4	54.51	717.13
Deltapine DP 434 RR	1283	39.6	4.4	1.15	29.0	83.9	54.51	699.44
Phytogen PHY 310 R	1276	40.6	4.7	1.10	31.0	83.3	53.24	679.78
Deltapine DP 445 BG/RR	1268	39.2	4.6	1.14	32.0	84.0	54.8	695.20
Stoneville ST 4575BR	1228	37.7	4.8	1.10	31.4	83.2	52.95	664.11
Deltapine DP 432 RR	1190	38.2	4.7	1.11	31.0	83.5	54.07	643.87
Deltapine DP 444 BG/RR	1188	39.6	4.2	1.12	29.1	83.6	54.16	644.92
FiberMax FM 958 LL	1161	38.0	4.6	1.20	31.2	84.2	54.83	636.26
Mean	1309	39.5	4.5	1.14	30.3	83.5	54.25	711.57
LSD_{0.05}	122	0.8	0.1	0.01	0.7	0.6	0.4	63.1
CV (%)	9.0	2.3	3.0	1.4	2.9	0.8	1.0	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 2007

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

TABLE 19. One-year performance of early maturing cotton varieties on Moreland clay at Alexandria, La. (2006).

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cent/lb	Gross Value \$/acre
Deltapine DP 454 BG/RR	1748*	42.4	4.2	1.11	29.4	82.8	53.69	937.96
‡Deltapine DP 555 BG/RR	1742*	42.4	4.7	1.14	29.7	83.0	54.48	949.07
Phytogen PHY 480WR	1687*	37.9	4.5	1.14	32.5	83.8	54.88	925.78
Stoneville ST 5242BR	1650*	39.8	4.5	1.12	28.5	83.3	53.93	888.94
FiberMax FM 960 B2R	1649*	38.6	4.6	1.16	32.3	83.4	54.81	903.91
Phytogen PHY 370WR	1624*	40.0	4.7	1.13	31.2	83.5	54.36	882.99
Deltapine DP 117 B2RF	1597*	39.0	4.4	1.17	33.2	83.2	54.76	874.37
FiberMax FM 9063 B2RF	1596*	37.4	4.3	1.19	32.3	83.5	54.85	875.29
‡Stoneville ST 5599BR	1573	39.7	4.7	1.13	29.4	82.8	54.09	850.70
Phytogen PHY 485 WRF	1553	38.1	4.5	1.15	34.0	83.8	54.91	852.94
Phytogen PHY 470 WR	1548	39.8	4.5	1.13	32.3	83.6	54.51	843.68
Stoneville ST 4575BR	1497	37.6	4.9	1.11	32.4	83.2	52.95	792.72
Stoneville ST 4427 B2RF	1486	36.7	4.5	1.14	31.5	84.4	54.68	812.53
FiberMax FM 960 BR	1484	39.3	4.5	1.13	31.1	82.7	54.28	805.18
Deltapine DP 445 BG/RR	1449	39.3	4.6	1.14	32.2	83.9	54.88	795.31
Stoneville ST 4554B2RF	1443	37.8	4.9	1.14	32.9	83.2	53.44	771.59
Phytogen PHY 310R	1433	40.7	4.8	1.10	32.3	83.4	53.39	765.22
Dynagro DG 2242 B2RF	1428	36.4	4.5	1.16	30.0	84.6	54.65	780.81
Deltapine DP 110 RF	1419	39.3	4.4	1.17	35.3	83.4	54.90	779.11
Stoneville ST 4700 B2RF	1418	36.2	4.3	1.15	28.8	84.0	54.56	773.49
Phytogen PHY 425 RF	1409	38.2	4.8	1.15	32.2	83.8	54.84	772.74
Beltwide BW 4630 B2RF	1406	37.1	4.3	1.16	28.8	83.7	54.60	768.07
Deltapine DP 434 RR	1401	40.3	4.6	1.15	29.6	84.0	54.53	764.04
Dynagro DG 2100 B2RF	1391	35.6	4.2	1.11	27.4	83.8	53.83	748.64
Deltapine DP 444 BG/RR	1387	39.9	4.3	1.14	30.4	84.2	54.86	761.16
Stoneville ST 4664RF	1372	38.3	4.7	1.13	33.1	83.5	54.66	750.14
Croplan CG 3520 B2RF	1366	36.6	4.2	1.15	29.0	83.6	54.64	746.43
Croplan CG 4020 B2RF	1351	37.5	4.4	1.17	28.9	83.7	54.44	735.73
FiberMax FM 9060 F	1349	39.4	4.2	1.19	28.3	83.0	54.54	735.60
Beltwide BW 2038 B2RF	1343	36.4	4.4	1.15	29.2	84.2	54.30	729.02
FiberMax FM 9068 F	1310	37.3	4.3	1.18	32.5	83.9	54.90	718.94
Beltwide BW 3255 B2RF	1296	35.9	4.2	1.11	28.8	84.1	54.08	700.55
Deltapine DP 432 RR	1295	38.0	4.7	1.13	32.0	83.7	54.51	706.16
Deltapine DP 121 RF	1286	38.6	4.8	1.14	31.0	83.9	54.85	705.28
Stoneville ST 4357 B2RF	1272	36.1	4.4	1.16	29.3	84.1	54.53	693.64
†Syngenta DX25105N	1270	39.5	4.7	1.16	30.6	83.1	54.50	692.05
†Deltapine DPLX06W650F	1260	38.5	4.4	1.16	30.8	83.5	54.80	690.38
Croplan CG 3020 B2RF	1222	33.9	4.1	1.13	29.4	83.2	54.15	662.73
Dynagro DG 2215 B2RF	1193	34.8	3.9	1.13	28.7	83.3	54.45	649.66
Beltwide BW 4021 B2RF	1165	35.1	4.0	1.12	28.7	82.9	54.01	629.31
FiberMax FM 955 B2LL	1144	37.3	5.0	1.19	31.5	84.3	53.51	612.53
FiberMax FM 958 LL	1127	37.9	4.7	1.19	31.6	84.2	54.85	617.96
FiberMax FM 965 B2LL	1106	37.0	4.7	1.15	32.5	84.1	54.91	607.43
Mean	1413	38.1	4.5	1.14	30.8	83.6	54.42	768.83
LSD_{0.05}	156	1.5	0.1	0.02	1.4	0.9	0.8	85.0
CV (%)	8.4	3.1	3.4	1.5	3.6	0.7	1.0	8.4

*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 2007.

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

ALEXANDRIA CLAY MEDIUM

TABLE 20. Three-year performance of medium maturing cotton varieties on Moreland clay at Alexandria, La. (2004, 2005 & 2006).

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
‡Stoneville ST 5242BR	1212*	38.0	4.3	1.12	29.0	83.3	54.0	653.86
Stoneville ST 5599BR	1193*	38.3	4.5	1.15	30.8	83.2	54.3	646.80
Deltapine DP 555 BG/RR	1145*	39.5	4.3	1.13	29.1	82.2	54.0	617.03
‡Deltapine DP 444 BG/RR	1090*	38.0	4.1	1.14	30.1	83.4	54.4	591.57
Deltapine DP 488 BG/RR	1062	37.9	4.3	1.19	31.3	83.3	54.8	581.34
FiberMax FM 991 B2R	1009	34.9	4.1	1.17	31.8	83.4	54.8	553.14
Deltapine DP 494 RR	984	38.6	4.5	1.18	32.6	83.3	54.8	538.47
FiberMax FM 800 B2R	973	36.6	4.1	1.21	32.7	84.1	55.0	535.01
Mean	1083	37.7	4.2	1.16	30.9	83.3	54.51	589.65
LSD_{0.05}	130	0.8	0.1	0.01	0.7	0.4	0.4	74.1
CV (%)	14.4	3.0	3.3	1.6	3.5	0.8	1.1	14.48

*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**.

TABLE 21. Two-year performance of medium maturing cotton varieties on Moreland clay at Alexandria, La. (2005 & 2006).

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
‡Stoneville ST 5242BR	1449*	39.4	4.2	1.12	28.38	83.2	53.97	781.37
Stoneville ST 5599BR	1339*	39.6	4.4	1.14	29.2	82.9	54.01	722.43
‡Deltapine DP 444 BG/RR	1305	39.4	4.0	1.13	29.0	83.0	54.12	706.02
Deltapine DP 555 BG/RR	1274	41.2	4.1	1.13	28.1	81.8	54.04	687.01
Deltapine DP 488 BG/RR	1190	39.1	4.2	1.18	30.2	83.0	54.73	651.06
FiberMax FM 991 B2R	1150	36.4	4.1	1.16	30.8	83.2	54.71	629.30
FiberMax FM 800 B2R	1146	39.0	4.1	1.21	31.3	83.9	54.91	629.62
Deltapine DP 494 RR	1126	39.9	4.3	1.18	31.2	82.7	54.68	615.81
Mean	1247	39.2	4.2	1.16	29.8	83.0	54.40	677.83
LSD_{0.05}	114	1.1	0.1	0.01	0.8	0.6	0.5	65.2
CV (%)	9.5	2.9	3.5	1.6	3.2	0.8	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**.

TABLE 22. One-year performance of medium maturing cotton varieties on Moreland clay at Alexandria, La. (2006).

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	1837*	42.7	4.4	1.12	28.0	81.7	53.78	987.87
Deltapine DP 488 BG/RR	1755*	39.9	4.5	1.19	30.6	83.3	54.70	960.21
‡Stoneville ST 5242BR	1719*	39.9	4.3	1.11	28.4	83.2	53.74	924.48
Deltapine DP 515 BG/RR	1703	41.4	4.7	1.13	29.9	82.7	54.33	924.89
Stoneville ST 5599BR	1671	39.7	4.8	1.14	29.1	82.8	53.70	898.33
Deltapine DP 143 B2RF	1656	38.6	4.2	1.22	30.2	83.1	54.78	907.26
Stoneville ST 5327B2RF	1640	39.1	4.7	1.14	32.8	84.3	54.93	900.85
Deltapine DP 449 BG/RR	1588	38.3	4.8	1.12	30.7	82.8	54.16	860.74
FiberMax FM 800 B2R	1580	39.1	4.3	1.20	32.0	83.8	54.98	868.86
Deltapine DP 455 BG/RR	1570	41.6	4.3	1.14	30.0	82.1	54.29	852.53
‡Deltapine DP 444 BG/RR	1563	39.6	4.2	1.12	28.9	82.9	53.96	843.11
Deltapine DP 164 B2RF	1528	37.6	4.7	1.16	30.0	83.2	54.58	834.00
FiberMax FM 991 B2R	1508	37.6	4.4	1.16	31.4	83.4	54.80	826.40
Phytogen PHY 745 WRF	1503	38.9	4.3	1.15	35.2	83.8	54.95	826.03
Deltapine DP 494 RR	1498	40.6	4.6	1.17	30.7	82.6	54.58	817.62
Stoneville ST 6565 B2RF	1447	33.8	4.6	1.14	30.5	83.4	54.48	788.17
Dynagro DG 2520 B2RF	1415	36.7	4.4	1.16	29.3	83.7	54.56	772.14
Dynagro DG 2490 B2RF	1388	35.8	3.8	1.10	29.4	82.8	53.24	739.05
Beltwide BW 8391 B2RF	1387	35.6	4.1	1.17	30.0	84.0	54.76	759.36
Deltapine DP 147 RF	1378	40.0	4.3	1.20	29.3	82.9	54.35	749.02
†Dynagro DXN2429	1359	38.7	5.0	1.14	32.4	83.5	53.23	723.42
Stoneville ST 5283RF	1347	39.9	4.7	1.13	32.2	83.7	54.50	734.04
Stoneville ST 6611B2RF	1338	35.2	4.6	1.15	31.1	83.4	54.78	732.92
Deltapine DP 167 RF	1326	38.1	4.5	1.17	30.6	83.8	54.73	725.49
Stoneville ST 6622RF	1261	37.1	4.6	1.13	30.5	83.2	54.30	684.87
†Dynagro OA 265BR	994	34.0	4.0	1.16	34.8	83.8	55.08	547.25
Mean	1498	38.4	4.4	1.15	30.7	83.2	54.39	814.96
LSD_{0.05}	131	1.6	0.1	0.02	1.1	0.8	0.8	73.6
CV (%)	6.8	3.2	3.3	1.5	3.0	0.7	1.0	7.0

*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 2007.

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

BOSSIER CITY EARLY

TABLE 23. Three-year performance of early maturing cotton varieties on a Norwood silt loam at Bossier City, La. (2004, 2005 & 2006).

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	1386*	40.3	4.5	1.10	27.3	82.2	52.42	731.52
Stoneville ST 5242BR	1370*	38.3	4.5	1.10	27.9	82.9	52.57	719.26
‡Stoneville ST 5599BR	1333*	38.5	4.8	1.10	28.4	82.4	51.54	703.71
Deltapine DP 444 BG/RR	1300*	38.8	4.2	1.10	28.2	83.0	53.04	678.72
FiberMax FM 960 BR	1261	37.3	4.4	1.11	30.8	82.6	53.69	688.74
Deltapine DP 432 RR	1207	37.3	4.5	1.08	30.0	82.9	52.55	663.62
Deltapine DP 445 BG/RR	1204	38.5	4.3	1.12	31.2	83.1	53.92	652.15
Deltapine DP 434 RR	1202	39.0	4.3	1.13	28.3	82.8	53.83	653.00
FiberMax FM 960 B2R	1196	37.1	4.3	1.15	29.6	82.9	54.09	660.89
Stoneville ST 4575BR	1192	38.5	4.3	1.10	30.5	82.8	53.17	630.51
Mean	1255	38.3	4.4	1.11	29.4	82.8	53.20	674.30
LSD_{0.05}	88	0.7	0.2	0.01	0.8	0.5	0.74	59.78
CV (%)	9.8	2.4	5.0	1.6	3.6	0.7	1.8	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**.

TABLE 24. Two-year performance of early maturing cotton varieties, excluding Roundup Ready Flex varieties, on Norwood silt loam at Bossier City, La. (2005 & 2006).

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
Deltapine DP 454 BG/RR	1369*	41.3	4.3	1.05	27.2	81.6	50.47	695.96
‡Deltapine DP 555 BG/RR	1367*	40.0	4.5	1.07	25.9	81.6	51.34	702.60
Stoneville ST 5242BR	1274*	38.2	4.6	1.08	27.4	82.5	51.77	669.67
‡Stoneville ST 5599BR	1273*	39.6	5.0	1.08	27.4	82.2	50.01	665.18
Deltapine DP 434 RR	1198	39.2	4.2	1.12	28.0	82.3	53.51	655.89
Deltapine DP 445 BG/RR	1197	38.5	4.2	1.09	31.1	82.7	53.48	644.75
Stoneville ST 4575BR	1196	38.9	4.2	1.08	30.6	82.4	52.44	633.53
Phytogen PHY 310 R	1194	38.5	4.3	1.07	29.4	82.0	51.27	641.45
Deltapine DP 432 RR	1190	37.3	4.4	1.07	30.0	82.6	51.95	645.32
Deltapine DP 444 BG/RR	1189	38.4	4.2	1.08	27.6	82.7	52.20	617.77
Phytogen PHY 470 WR	1178	37.9	4.7	1.07	29.8	82.7	52.08	642.99
Phytogen PHY 480 WR	1164	36.1	4.7	1.10	31.4	83.3	53.24	644.25
Phytogen PHY 370 WR	1159	38.3	4.5	1.06	29.0	82.5	50.81	612.98
FiberMax FM 960 BR	1133	37.2	4.4	1.09	30.0	82.2	52.85	607.04
FiberMax FM 960 B2R	1096	36.1	4.3	1.12	28.6	82.2	53.66	608.07
Mean	1188	38.3	4.4	1.08	28.9	82.3	52.15	634.38
LSD_{0.05}	115	0.9	0.2	0.02	0.9	0.5	1.02	98.43
CV (%)	9.9	2.7	4.9	1.6	3.3	0.6	2.0	9.7

*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**, and promising varieties are shaded.

TABLE 25. Two-year performance of early maturing Roundup Ready Flex cotton varieties on Norwood silt loam at Bossier City, La. (2005 and 2006).

Variety	Lint	Lint	Mike	UHM	Strength	UI	Loan Value	Gross Value
	lb/acre	percent		inches	g/tex	percent	cent/lb	\$/acre
‡Deltapine DP 555 BG/RR	1151*	40.4	4.4	1.08	25.5	81.6	52.00	595.32
‡Stoneville ST 5242BR	1136*	37.9	4.4	1.09	27.3	82.6	52.21	593.90
‡Stoneville ST 5599BR	1135*	40.1	4.9	1.09	27.6	82.0	51.09	583.32
Deltapine DP 117 B2RF	1119*	38.5	4.5	1.10	29.2	82.3	53.03	624.50
Deltapine DP 110 RF	1095*	36.9	4.3	1.11	33.0	82.9	53.53	607.12
Stoneville ST 4554B2RF	1059*	37.8	4.1	1.09	30.4	81.9	52.55	558.38
‡Deltapine DP 444 BG/RR	1058*	38.5	4.2	1.08	27.7	82.5	52.13	558.96
Stoneville ST 4664RF	1058*	37.9	4.1	1.07	30.3	82.1	51.82	552.51
‡FiberMax FM 960 BR	1056*	37.8	4.4	1.10	29.8	82.0	53.31	567.95
Phytogen PHY 425 RF	1043	37.0	4.6	1.09	30.5	82.8	52.81	550.59
Phytogen PHY 485 WRF	1037	37.5	4.6	1.10	30.7	83.1	53.18	555.14
Croplan CG 3520 B2RF	1034	36.0	4.0	1.10	26.8	82.7	53.17	530.99
Croplan CG 4020 B2RF	990	36.5	4.0	1.11	27.1	82.4	53.65	532.08
Beltwide BW 3255 B2RF	972	34.4	3.9	1.08	26.8	82.6	51.94	525.98
Beltwide BW 4021 B2RF	970	33.5	3.7	1.09	26.4	81.9	52.85	491.66
Dynagro DG 2100 B2RF	934	36.1	4.2	1.07	26.5	82.4	51.47	481.28
Dynagro DG 2242 B2RF	926	36.0	4.0	1.09	26.2	81.9	52.49	491.76
Croplan CG 3020 B2RF	926	35.1	3.9	1.07	26.3	82.1	51.99	495.38
Dynagro DG 2215 B2RF	911	34.4	4.0	1.10	26.3	81.9	52.79	491.66
Mean	1032	37.0	4.2	1.09	28.1	82.3	52.50	546.72
LSD_{0.05}	106	0.9	0.2	0.02	0.9	0.7	1.13	58.37
CV (%)	11.4	2.8	5.9	1.6	3.7	0.7	2.0	10.7

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

‡Medium maturity variety included for comparison purposes only.

NOTE: Promising varieties for this location are shaded.

TABLE 26. One-year performance of early maturing cotton varieties on Norwood silt loam at Bossier City, La. (2006).

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cent/lb	Gross Value \$/acre
Deltapine DP 454 BG/RR	1167*	41.9	4.3	1.05	27.6	81.3	50.68	580.27
‡Deltapine DP 555 BG/RR	1023*	40.8	4.3	1.06	25.2	81.5	51.15	512.59
Stoneville ST 5242BR	984	38.4	4.5	1.08	28.1	82.5	51.19	490.49
Stoneville ST 4427 B2RF	905	37.4	4.2	1.06	27.4	82.0	50.73	489.00
Deltapine DP 445 BG/RR	887	38.5	4.1	1.09	31.8	82.9	53.03	472.06
Deltapine DP 444 BG/RR	885	39.2	4.3	1.08	27.9	82.4	51.71	444.60
Deltapine DP 434 RR	884	39.5	4.2	1.11	27.8	82.0	53.16	482.23
‡Stoneville ST 5599BR	879	41.0	5.1	1.06	27.3	81.9	48.66	427.84
Stoneville ST 4575BR	869	39.4	4.0	1.07	31.2	82.2	52.10	446.91
†Syngenta DX25105N	857	38.3	4.6	1.08	29.1	81.5	52.05	463.47
Deltapine DP 117 B2RF	851	38.7	4.6	1.07	27.9	82.0	51.58	469.29
Deltapine DP 432 RR	850	37.5	4.5	1.07	30.9	82.1	51.51	461.23
Stoneville ST 4357 B2RF	845	36.8	3.9	1.10	27.3	81.9	52.55	463.23
Beltwide BW 2038 B2RF	838	36.4	4.0	1.09	26.8	82.6	52.61	441.66
Stoneville ST 4554B2RF	832	37.8	4.1	1.07	31.0	81.9	51.55	408.24
Phytogen PHY 310R	831	38.3	4.0	1.08	30.0	81.8	52.38	486.23
Dynagro DG 2242 B2RF	818	36.3	4.1	1.09	27.0	81.9	52.03	432.46
Deltapine DP 110 RF	817	36.6	4.3	1.09	33.0	82.3	52.54	425.97
FiberMax FM 958 LL	817	36.1	4.3	1.15	29.9	82.7	54.60	457.65
Stoneville ST 4664RF	814	38.3	4.1	1.06	31.1	81.7	51.18	415.25
Beltwide BW 4630 B2RF	798	37.7	4.0	1.10	26.4	81.7	52.49	414.88
FiberMax FM 955 B2LL	790	35.4	4.5	1.13	28.3	81.9	53.71	434.72
FiberMax FM 960 BR	790	38.0	4.5	1.09	29.3	81.7	52.45	401.60
Phytogen PHY 370WR	788	38.6	4.4	1.05	29.6	82.3	50.21	402.97
Phytogen PHY 470 WR	782	38.7	4.8	1.06	30.0	81.9	51.29	411.44
FiberMax FM 9060 F	782	37.0	4.2	1.13	27.3	82.0	53.94	410.31
Phytogen PHY 480WR	774	36.9	4.7	1.10	32.0	82.9	52.71	433.64
Phytogen PHY 425 RF	762	36.9	4.4	1.08	30.4	82.3	52.48	393.70
Croplan CG 4020 B2RF	762	36.3	3.9	1.10	26.8	82.3	53.03	406.92
Phytogen PHY 485 WRF	759	37.1	4.6	1.09	31.3	82.4	52.35	383.98
Croplan CG 3520 B2RF	759	35.8	4.0	1.09	26.8	82.5	52.28	383.89
†Deltapine DPLX06W650F	747	37.5	4.0	1.07	28.2	81.4	51.69	377.39
Beltwide BW 4021 B2RF	744	33.5	3.7	1.08	26.5	81.9	52.09	373.17
Deltapine DP 121 RF	740	38.8	4.4	1.09	30.7	83.0	53.38	396.79
FiberMax FM 960 B2R	729	35.6	4.2	1.12	28.5	82.0	53.65	419.04
FiberMax 965 B2LL	726	34.6	4.1	1.14	31.1	83.2	54.95	411.74
Dynagro DG 2215 B2RF	725	35.2	4.3	1.07	25.8	81.5	51.63	399.37
Dynagro DG 2100 B2RF	699	36.7	4.4	1.06	26.8	82.3	50.20	352.34
FiberMax FM 9063 B2RF	698	36.0	4.3	1.11	29.4	81.9	53.30	385.10
Croplan CG 3020 B2RF	697	34.7	3.9	1.06	26.1	81.6	51.25	363.52
FiberMax FM 9068 F	677	35.5	4.2	1.11	30.3	82.0	53.98	353.00
Stoneville ST 4700 B2RF	668	34.6	4.0	1.09	26.8	81.5	52.51	344.88
Beltwide BW 3255 B2RF	662	34.2	3.8	1.06	26.7	82.3	50.39	354.71
Mean	807	37.3	4.3	1.08	28.7	82.1	52.16	425.11
LSD_{0.05}	149	1.1	0.4	0.03	1.4	1.1	1.73	87.63
CV (%)	14.2	2.6	6.7	1.9	3.9	0.8	2.3	13.4

*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 2007.

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

BOSSIER CITY MEDIUM

TABLE 27. Three-year performance of medium maturing cotton varieties on Norwood silt loam at Bossier City, La. (2004, 2005 & 2006).

Variety	Lint	Lint	Mike	UHM	Strength	UI	Loan Value	Gross Value
	lb/acre	percent		inches	g/tex	percent	cents/lb	\$/acre
Stoneville ST 5599BR	1372*	37.9	4.7	1.11	28.8	82.7	53.09	718.88
‡Stoneville ST 5242BR	1348*	37.9	4.5	1.10	28.1	83.1	53.19	711.97
Deltapine DP 488 BG/RR	1347*	37.4	4.5	1.17	30.1	83.0	54.45	723.46
Deltapine DP 555 BG/RR	1323*	40.3	4.6	1.10	27.3	81.9	52.61	689.50
‡Deltapine DP 444 BG/RR	1272*	37.4	4.2	1.11	28.1	83.0	53.22	686.01
Deltapine DP 494 RR	1239	38.4	4.7	1.15	30.9	83.1	54.34	677.65
FiberMax FM 800 B2R	1210	36.7	4.0	1.18	30.8	83.3	54.80	661.31
FiberMax FM 991 B2R	1167	34.5	4.0	1.15	30.1	82.9	54.48	653.09
Mean	1285	37.6	4.4	1.13	29.3	82.9	53.77	690.23
LSD_{0.05}	102	0.5	0.1	0.01	0.6	0.4	0.6	74.09
CV (%)	10.8	1.9	4.1	1.6	2.9	0.7	1.4	70.9

*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**.

TABLE 28. Two-year performance of medium maturing cotton varieties, excluding Roundup Ready Flex varieties, on Norwood silt loam at Bossier City, La. (2005 & 2006).

Variety	Lint	Lint	Mike	UHM	Strength	UI	Loan Value	Gross Value
	lb/acre	percent		inches	g/tex	percent	cents/lb	\$/acre
Stoneville ST 5599BR	1309*	37.7	4.7	1.10	27.3	82.0	52.56	678.38
‡Stoneville ST 5242BR	1286*	37.5	4.5	1.09	27.5	82.6	52.71	683.33
Deltapine DP 488 BG/RR	1234*	36.1	4.5	1.15	29.0	82.3	54.20	646.20
FiberMax FM 800 B2R	1221*	36.1	3.9	1.16	30.3	82.7	54.67	670.99
‡Deltapine DP 444 BG/RR	1191*	36.6	4.2	1.09	27.2	82.7	52.58	635.31
Deltapine DP 555 BG/RR	1185*	39.7	4.6	1.08	26.1	81.3	54.67	603.68
Deltapine DP 494 RR	1178*	37.8	4.7	1.13	29.8	82.5	54.05	650.33
FiberMax FM 991 B2R	1080	34.1	4.0	1.12	28.8	82.3	54.18	609.73
Mean	1211	36.9	4.4	1.12	28.3	82.3	53.33	647.27
LSD_{0.05}	149	0.5	0.2	0.02	0.7	0.6	0.80	92.86
CV (%)	11.7	1.7	4.2	1.5	2.6	0.7	1.6	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**, and promising varieties are shaded.

TABLE 29. Two-year performance of medium maturing Roundup Ready Flex cotton varieties on Norwood silt loam at Bossier City, La. (2005 & 2006).

Variety	Lint	Lint	Mike	UHM	Strength	UI	Loan Value	Gross Value
	lb/acre	percent		inches	g/tex	percent	cents/lb	\$/acre
‡Stoneville ST 5599BR	1243*	37.5	4.5	1.10	27.8	82.1	52.73	622.86
‡Stoneville ST 5242BR	1229*	37.4	4.6	1.09	27.5	82.8	52.29	642.69
Dynagro DG 2520 B2RF	1199*	35.5	4.2	1.13	27.7	82.5	53.83	639.25
Deltapine DP 143 B2RF	1182*	36.2	4.0	1.17	27.9	81.7	54.26	628.07
‡Deltapine DP 555 BG/RR	1179*	39.6	4.5	1.09	26.5	81.4	52.08	615.05
‡Deltapine DP 444 BG/RR	1171*	36.6	4.1	1.09	27.7	82.8	53.61	617.95
Deltapine DP 164 B2RF	1148*	34.3	4.3	1.13	27.9	82.3	53.84	617.95
Stoneville ST 6611B2RF	1127*	32.8	4.3	1.09	28.5	82.5	52.58	596.01
Deltapine DP 147 RF	1092	37.2	4.3	1.15	27.6	82.1	54.17	574.52
Deltapine DP 167 RF	1060	35.9	4.4	1.12	30.5	82.8	53.96	578.27
Stoneville ST 6622RF	1040	34.2	4.3	1.11	29.6	82.7	53.07	570.14
Mean	1152	36.1	4.3	1.11	28.1	82.3	53.22	608.18
LSD_{0.05}	142	0.6	0.2	0.02	0.8	0.7	1.00	125.98
CV (%)	11.3	1.8	5.0	2.0	3.4	0.8	1.9	11.7

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

‡Non-Roundup Ready Flex variety included for comparison purposes only.

NOTE: Promising varieties for this location are shaded.

TABLE 30. One-year performance of medium maturing cotton varieties on Norwood silt loam at Bossier City, La. (2006).

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
‡Stoneville ST 5242BR	1310*	36.8	4.6	1.09	27.8	82.7	52.59	697.29
Stoneville ST 5599BR	1215*	36.9	4.5	1.10	27.3	82.1	52.76	611.02
Deltapine DP 488 BG/RR	1205*	34.9	4.3	1.15	28.9	82.3	54.29	647.11
Deltapine DP 555 BG/RR	1186*	39.3	4.5	1.09	26.0	81.1	51.88	597.07
†Dynagro DXN2429	1175*	36.1	4.8	1.11	33.4	83.6	53.19	605.96
Deltapine DP 515 BG/RR	1151*	37.2	4.5	1.09	27.7	82.2	52.44	573.96
‡Deltapine DP 444 BG/RR	1145	35.5	4.2	1.08	27.6	83.0	52.18	616.00
Phytogen PHY 745 WRF	1142	34.7	4.3	1.11	34.1	82.9	54.14	606.15
Stoneville ST 5283RF	1133	35.9	4.4	1.10	32.7	83.1	53.80	594.94
FiberMax FM 800 B2R	1103	35.1	3.7	1.17	30.7	82.9	54.88	615.53
Dynagro DG 2490 B2RF	1099	32.2	3.9	1.06	27.4	82.2	53.78	567.51
Beltwide BW 8391 B2RF	1079	30.6	4.1	1.12	28.4	82.6	53.78	602.69
Deltapine DP 494 RR	1074	37.6	4.6	1.13	30.2	82.6	54.14	569.54
Deltapine DP 147 RF	1072	36.8	4.4	1.15	27.1	82.0	54.16	559.48
Deltapine DP 164 B2RF	1071	33.4	4.3	1.12	27.6	82.3	53.38	561.67
Deltapine DP 449 BG/RR	1071	33.3	4.4	1.08	28.2	82.1	52.04	563.79
FiberMax FM 991 B2R	1060	32.5	3.9	1.12	29.0	82.5	54.15	604.63
Stoneville ST 6565 B2RF	1050	30.5	4.2	1.10	28.4	82.3	53.09	563.84
Deltapine DP 143 B2RF	1046	35.4	3.9	1.19	28.5	81.7	54.21	570.75
Dynagro DG 2520 B2RF	1038	34.2	4.3	1.11	27.9	82.8	53.40	543.51
Stoneville ST 6611B2RF	1026	30.9	4.3	1.07	28.3	82.6	51.76	552.46
Deltapine DP 167 RF	995	36.1	4.7	1.10	31.9	83.4	53.46	544.70
Deltapine DP 455 BG/RR	994	35.7	3.9	1.10	28.4	81.8	52.91	527.29
Stoneville ST 6622RF	971	32.8	4.3	1.09	29.4	82.8	52.81	526.83
†Dynagro OA 265BR	933	32.3	3.7	1.12	34.5	83.4	54.35	513.45
Stoneville ST 5327B2RF	909	32.4	4.1	1.11	27.7	81.7	53.61	495.94
Mean	1087	34.6	4.2	1.11	29.2	82.5	53.26	578.20
LSD_{0.05}	160	0.8	0.3	0.02	1.3	0.8	1.27	101.88
CV (%)	10.7	2.2	5.4	1.7	3.5	0.7	1.7	10.1

*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 2007.

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

ST. JOE COMMERCE EARLY

TABLE 31. Three-year performance of early maturing cotton varieties on Commerce silt loam at St. Joseph, La. (2004, 2005 & 2006).

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
‡Stoneville ST 5599BR	1433*	37.8	4.7	1.14	29.6	82.7	53.30	763.65
Deltapine DP 432 RR	1419*	37.3	4.7	1.12	31.0	83.0	53.33	756.81
Stoneville ST 4575BR	1377*	38.0	4.7	1.12	30.8	83.0	53.04	732.20
‡Deltapine DP 555 BG/RR	1372*	40.4	4.6	1.11	28.1	82.3	52.74	723.35
Deltapine DP 445 BG/RR	1347*	38.1	4.5	1.14	32.0	83.8	54.59	735.46
Stoneville ST 5242BR	1326*	37.7	4.7	1.11	28.8	83.4	52.55	697.51
Deltapine DP 434 RR	1303*	38.8	4.3	1.15	27.6	82.7	54.00	704.21
FiberMax FM 960 BR	1242	36.5	4.6	1.13	32.3	83.2	53.99	672.70
Deltapine DP 444 BG/RR	1226	38.2	4.3	1.12	29.3	83.0	53.70	659.52
FiberMax FM 960 BG/RR	1197	36.7	4.6	1.17	31.5	83.7	54.59	653.10
FiberMax FM 958 LL	1093	36.1	4.5	1.16	31.3	83.4	54.33	593.57
Mean	1306	37.8	4.6	1.13	30.2	83.1	53.65	700.63
LSD_{0.05}	133	0.6	0.1	0.01	0.7	0.4	0.94	74.69
CV (%)	12.6	2.1	3.9	1.7	3.1	0.7	2.14	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**.

TABLE 32. Two-year performance of early maturing cotton varieties on Commerce silt loam at St. Joseph, La. (2005 & 2005).

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
†Syngenta DX25105N	1408*	39.2	4.9	1.11	29.1	82.3	52.58	740.44
‡Stoneville ST 5599BR	1389*	38.3	4.9	1.11	29.0	82.3	52.56	729.11
Deltapine DP 432 RR	1353*	37.2	4.8	1.10	30.8	82.8	52.62	711.69
‡Deltapine DP 555 BG/RR	1348*	40.3	4.8	1.09	27.3	81.9	51.81	697.34
Stoneville ST 4575BR	1306*	38.0	4.8	1.09	30.6	82.6	52.16	680.87
Stoneville ST 5242BR	1305*	37.7	4.8	1.09	28.1	83.1	51.47	672.28
Deltapine DP 445 BG/RR	1303*	37.4	4.6	1.12	31.7	83.4	54.40	708.64
Deltapine DP 434 RR	1297*	38.9	4.4	1.12	27.1	82.0	53.66	696.73
Phytogen PHY 480 WR	1271*	35.8	4.7	1.13	31.5	83.8	54.19	689.66
Phytogen PHY 370 WR	1221	37.6	4.8	1.09	29.7	82.6	52.73	644.87
Phytogen PHY 310 R	1209	38.4	4.8	1.08	29.7	82.7	51.93	625.88
FiberMax FM 960 BR	1207	35.9	4.8	1.11	31.6	82.9	53.52	646.74
FiberMax FM 960 B2R	1169	36.4	4.7	1.15	30.8	83.3	54.38	634.62
Deltapine DP 444 BG/RR	1156	37.9	4.4	1.10	28.4	82.4	53.09	614.15
Phytogen PHY 470 WR	1131	36.6	4.7	1.11	30.8	83.4	53.90	610.47
FiberMax FM 958 LL	1044	35.8	4.7	1.15	29.4	82.7	53.93	562.76
Deltapine DP 454 BR	892	39.2	4.2	1.07	27.2	82.1	51.53	461.75
Mean	1240	37.7	4.7	1.11	29.6	82.7	52.96	657.09
LSD_{0.05}	150	0.8	0.1	0.02	0.8	0.6	1.33	84.54
CV (%)	12.1	2.2	3.4	1.8	3.0	0.7	2.50	12.62

*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 2007.

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

TABLE 33. One-year performance of early maturing cotton varieties on Commerce silt loam at St. Joseph, La. (2006).

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cent/lb	Gross Value \$/acre
Stoneville ST 4575BR	1608*	37.4	5.0	1.11	30.8	82.7	52.26	839.65
‡Stoneville ST 5599BR	1542*	37.6	5.1	1.12	29.3	82.3	51.53	795.43
Stoneville ST 4554B2RF	1542*	37.4	4.9	1.12	31.6	82.4	53.69	828.34
‡Deltapine DP 555 BG/RR	1519*	40.3	5.0	1.10	28.6	81.9	51.74	784.11
Stoneville ST 4664RF	1502*	36.8	4.7	1.12	31.2	82.8	54.20	814.08
Phytogen PHY 425 RF	1493*	35.7	5.1	1.15	31.4	83.8	52.08	777.41
Phytogen PHY 485 WRF	1485*	37.2	4.9	1.14	31.5	83.2	54.54	808.90
†Syngenta DX25105N	1460*	38.3	5.1	1.12	30.1	81.7	51.75	756.76
Deltapine DP 445 BG/RR	1441*	36.3	4.7	1.13	31.7	82.9	54.39	783.84
Beltwide BW 3255 B2RF	1426*	34.9	4.5	1.13	28.1	82.7	54.01	769.89
Stoneville ST 4357B2RF	1423*	35.9	4.6	1.16	27.8	82.8	54.26	772.04
Stoneville ST 4427B2RF	1422*	35.2	4.5	1.14	29.8	82.9	54.16	770.43
Phytogen PHY 480 WR	1415*	35.2	4.9	1.15	32.1	84.0	54.03	766.69
Deltapine DP 432 RR	1403	36.0	4.9	1.11	31.4	82.9	53.40	750.03
Deltapine DP 110 RF	1398	36.3	4.8	1.13	34.6	83.0	54.25	759.59
Stoneville ST 5242BR	1395	37.4	5.0	1.10	27.9	82.9	50.83	711.14
Deltapine DP 434 RR	1394	37.9	4.6	1.13	27.4	82.0	53.60	747.95
Phytogen PHY 310 R	1363	37.3	4.9	1.09	30.0	82.8	52.15	710.68
Croplan CG 4020 B2RF	1343	35.3	4.4	1.15	28.0	82.5	54.25	728.62
Beltwide BW 4021 B2RF	1343	33.9	4.3	1.12	27.4	82.0	53.44	718.03
Phytogen PHY 370 WR	1343	36.8	4.9	1.11	30.0	82.5	53.58	719.02
Deltapine DP 121 RF	1339	37.5	4.8	1.12	31.0	83.1	54.14	724.82
Beltwide BW 4630 B2RF	1337	34.9	4.5	1.16	27.7	82.5	54.29	725.58
Dynagro DG 2100 B2RF	1331	34.0	4.4	1.10	27.6	82.8	53.31	709.80
Deltapine DP 117 B2RF	1327	36.7	4.9	1.12	31.4	82.1	52.70	701.41
Deltapine DP 444 BG/RR	1315	36.9	4.5	1.11	28.4	82.3	53.51	704.42
Beltwide BW 2038 B2RF	1312	35.8	4.5	1.13	27.7	82.4	54.08	709.32
FiberMax FM 960 BR	1306	35.2	4.9	1.12	31.6	82.6	53.52	698.89
Stoneville ST 4700BF	1281	35.4	4.4	1.12	27.6	82.5	53.74	688.47
Dynagro DG 2215 B2RF	1274	34.0	4.5	1.14	28.1	82.9	54.21	690.68
FiberMax FM 9068 RF	1274	35.7	4.7	1.17	31.0	83.7	54.75	697.29
Dynagro DG 2242 B2RF	1270	35.1	4.5	1.15	28.0	82.8	54.30	689.75
Phytogen PHY 470 WR	1264	36.8	4.9	1.13	31.3	83.4	54.48	689.08
FiberMax FM 965 LLB2	1255	32.8	4.7	1.16	31.1	83.3	54.06	679.18
Croplan CG 3020 B2RF	1248	34.0	4.4	1.10	27.2	82.5	52.88	659.98
FiberMax FM 9063 B2RF	1238	35.0	4.7	1.19	31.6	83.1	54.78	677.88
FiberMax FM 9060 RF	1237	37.5	4.7	1.16	28.1	82.4	54.08	671.65
Deltapine DP 454 BG/RR	1233	38.1	4.4	1.08	27.0	81.8	51.68	642.17
FiberMax FM 958 LL	1230	35.4	4.8	1.15	29.4	82.9	53.65	660.13
†Deltapine DPLX06W650F	1226	36.8	4.7	1.13	29.5	83.0	53.43	656.95
FiberMax FM 960 B2R	1168	34.9	4.8	1.16	31.4	83.2	54.06	630.22
FiberMax FM 955 LLB2	1140	33.6	4.9	1.17	30.0	82.9	53.79	613.17
Croplan CG 3520 B2RF	1125	35.0	4.4	1.12	26.9	81.9	53.84	605.51
Mean	1349	36.0	4.7	1.13	29.6	82.8	53.52	722.09
LSD_{0.05}	196	1.0	0.2	0.03	1.1	0.9	1.8	126.52
CV (%)	9.4	2.1	3.5	1.8	3.1	0.8	2.2	10.3

*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 2007.

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

ST. JOE COMMERCE MEDIUM

TABLE 34. Three-year performance of medium maturing cotton varieties on Commerce silt loam at St. Joseph, La, (2004, 2005 & 2006).

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	1335*	41.0	4.6	1.11	27.9	81.8	52.77	706.67
Stoneville ST 5599BR	1307*	38.3	4.7	1.12	28.6	82.5	52.50	688.20
‡Stoneville ST 5242BR	1272*	37.5	4.6	1.10	28.1	82.8	52.53	672.50
‡Deltapine DP 444 BG/RR	1218	38.0	4.2	1.13	29.0	83.2	53.69	662.20
Deltapine DP 488 BG/RR	1198	37.9	4.5	1.17	31.0	83.1	54.40	652.14
Deltapine DP 494 RR	1174	38.8	4.7	1.17	32.2	83.2	53.79	631.88
FiberMax FM 991 B2R	1080	35.3	4.3	1.17	31.1	82.7	54.56	589.96
FiberMax FM 800 B2R	1076	36.7	4.2	1.18	31.3	83.9	54.83	590.32
Mean	1207	37.9	4.5	1.14	29.9	82.9	53.63	648.93
LSD_{0.05}	93	0.6	0.1	0.02	0.6	0.4	0.60	53.62
CV (%)	9.5	2.3	3.6	1.8	3.1	0.7	1.5	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**.

TABLE 35. Two-year performance of medium maturing cotton varieties on Commerce silt loam at St. Joseph, La. (2005 & 2006).

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	1275	40.9	4.8	1.10	27.0	81.5	52.04	665.47
Stoneville ST 5599BR	1136	38.2	4.9	1.11	28.5	82.0	51.56	583.77
‡Stoneville ST 5242BR	1120	37.6	4.8	1.09	27.4	82.5	51.61	579.01
Deltapine DP 488 BG/RR	1108	37.3	4.8	1.16	30.2	82.8	54.10	599.56
FiberMax FM 991 B2R	1044	34.7	4.5	1.15	30.7	82.3	54.34	567.81
Deltapine DP 494 RR	1040	38.4	4.9	1.16	31.6	83.0	53.21	549.08
FiberMax FM 800 B2R	1017	36.7	4.4	1.18	30.9	83.6	54.75	557.20
‡Deltapine DP 444 BG/RR	985	38.0	4.3	1.10	27.9	82.4	53.01	527.95
Mean	1097	37.7	4.7	1.13	29.3	82.5	53.08	582.37
LSD_{0.05}	96	0.8	0.1	0.02	0.8	0.5	0.91	55.22
CV (%)	8.3	2.3	2.7	1.6	3.1	0.7	1.8	8.5

‡Early maturity variety included for comparison purposes only.

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

TABLE 36. One-year performance of medium maturing cotton varieties on Commerce silt loam at St. Joseph, La. (2006).

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	1502*	40.0	4.9	1.13	28.4	82.2	53.04	796.37
Deltapine DP 164 B2RF	1445*	36.6	4.8	1.18	29.7	82.7	54.45	787.10
Deltapine DP 494 RR	1426*	37.7	5.1	1.18	32.7	83.4	52.57	736.51
Deltapine DP 455 BG/RR	1425*	38.5	4.4	1.14	30.3	82.1	54.45	775.57
Deltapine DP 147 RF	1423*	37.0	4.5	1.21	29.1	82.8	54.43	774.15
Deltapine DP 143 B2RF	1410*	36.7	4.3	1.21	28.9	82.0	54.23	764.48
Deltapine DP 515 BG/RR	1405*	38.1	4.9	1.15	30.4	83.0	54.65	767.62
Stoneville ST 5283RF	1403*	36.9	4.5	1.14	32.0	82.8	54.75	768.31
Stoneville ST 5599BR	1383*	37.5	5.2	1.13	29.2	82.1	50.76	702.09
Dynagro DG 2520B2RF	1380*	35.2	4.3	1.15	28.3	82.1	54.23	747.52
Stoneville ST 5327B2R	1367*	37.3	4.6	1.14	32.6	83.7	54.74	748.09
Dynagro DG 6064 B2RF	1359*	35.9	3.9	1.11	28.1	82.5	53.19	724.10
‡Stoneville ST 5242 BR	1357*	37.2	5.0	1.11	28.1	83.0	52.11	707.03
†Dynagro DXN2429	1353	35.6	5.2	1.14	32.6	83.5	51.70	701.57
Deltapine DP 449 BG/RR	1350	36.0	4.8	1.14	31.3	83.0	54.66	738.20
‡Deltapine DP 444 BG/RR	1338	37.0	4.4	1.11	28.3	82.7	53.53	727.59
Deltapine DP 488 BG/RR	1313	36.7	4.9	1.19	32.0	83.4	54.13	711.48
Deltapine DP 167 RF	1284	35.5	4.5	1.18	29.7	83.2	54.50	699.68
Beltwide BW 8391 B2RF	1266	34.0	4.5	1.18	29.3	83.9	54.53	690.17
Stoneville ST 6611B2RF	1220	33.2	4.6	1.16	31.5	83.5	54.78	668.29
Fibermax FM 800 B2R	1217	35.6	4.5	1.21	32.0	84.4	54.93	668.54
Fibermax FM 991 B2R	1206	33.4	4.5	1.17	31.6	83.0	54.65	659.27
Stoneville ST 6622RF	1197	35.2	4.7	1.13	31.5	83.1	54.58	650.85
Stoneville ST 6565B2RF	1152	31.7	4.5	1.17	30.5	83.2	54.68	630.04
Phytogen PHY 745 WRF	1012	35.5	4.5	1.15	34.1	82.6	54.66	553.55
†Dynagro OA 265 BR	960	33.5	4.1	1.18	35.7	83.3	55.00	527.76
Mean	1315	36.1	4.6	1.16	30.7	82.9	54.00	710.12
LSD_{0.05}	148	1.3	0.2	0.02	1.1	0.9	0.91	86.14
CV (%)	7.4	2.7	3.5	1.5	2.8	0.7	1.3	7.7

*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 2007.

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

ST JOE SHARKEY EARLY

TABLE 37. Three-year performance of early maturing cotton varieties on Sharkey clay at St. Joseph, La. (2004, 2005 & 2006).

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
‡Stoneville ST 5599BR	1465*	38.5	4.9	1.12	29.2	82.7	53.13	778.52
‡Deltapine DP 555 BG/RR	1405*	41.2	4.7	1.10	27.8	81.9	53.10	748.16
Deltapine DP 432 RR	1368*	37.8	4.8	1.11	30.8	83.4	53.55	731.20
Deltapine DP 445 BG/RR	1305	39.2	4.6	1.13	31.9	83.4	54.33	709.52
Stoneville ST 4575BR	1281	37.5	4.7	1.11	31.4	82.9	53.87	691.14
Deltapine DP 434 RR	1267	40.3	4.5	1.14	27.9	82.8	53.89	682.49
FiberMax FM 960 BR	1262	37.0	4.7	1.12	31.7	83.1	53.94	684.35
Stoneville ST 5242BR	1189	37.6	4.7	1.09	27.1	82.8	52.43	626.87
FiberMax FM 960 B2R	1179	37.1	4.8	1.16	31.3	83.0	54.53	642.85
Deltapine DP 444 BG/RR	1178	38.3	4.3	1.13	28.9	83.2	53.89	635.84
FiberMax FM 958 LL	1164	36.5	4.7	1.17	31.0	83.0	54.42	634.47
Mean	1279	38.3	4.7	1.13	29.9	82.9	53.73	688.12
LSD_{0.05}	100	0.8	0.08	0.14	0.6	0.5	0.67	55.31
CV (%)	9.7	2.8	2.4	1.7	2.7	0.7	1.5	9.8

*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**.

TABLE 38. Two-year performance of early maturing cotton varieties, excluding Roundup Ready Flex varieties, on Sharkey clay at St. Joseph, La. (2005 & 2006).

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
‡Stoneville ST 5599BR	1509*	38.1	4.9	1.11	28.4	82.3	52.74	796.84
‡Deltapine DP 555 BG/RR	1457*	39.9	4.8	1.09	27.4	81.4	52.56	769.60
Deltapine DP 432 RR	1388	36.7	4.7	1.10	30.4	82.9	53.40	739.56
†Syngenta DX 25105N	1379	38.5	4.8	1.13	28.4	82.0	53.87	742.90
Phytogen PHY 370 WR	1328	38.2	4.8	1.09	29.8	82.4	52.65	699.91
Deltapine DP 445 BG/RR	1324	38.4	4.6	1.12	31.6	83.2	54.07	716.65
FiberMax FM 960 BR	1316	36.0	4.7	1.12	30.7	82.8	53.56	710.21
Deltapine DP 454 BG/RR	1281	39.9	4.4	1.07	27.1	81.7	51.37	662.39
Phytogen PHY 470 WR	1280	36.3	4.8	1.11	30.7	83.2	53.74	689.55
Deltapine DP 434 RR	1280	39.6	4.4	1.12	27.3	82.4	53.59	683.62
Phytogen PHY 310 R	1279	38.6	4.7	1.08	28.6	81.9	51.76	665.17
Phytogen PHY 480 WR	1254	35.1	4.8	1.13	31.5	83.5	53.74	673.07
FiberMax FM 960 B2R	1236	35.5	4.8	1.15	30.6	82.6	54.37	671.92
Stoneville ST 4575BR	1229	37.1	4.7	1.11	30.7	82.3	53.52	657.88
FiberMax FM 958 LL	1183	35.3	4.7	1.16	29.9	82.6	54.20	642.95
Deltapine DP 444 BG/RR	1163	37.9	4.3	1.12	27.9	82.7	53.43	622.97
Stoneville ST 5242BR	1089	37.3	4.6	1.08	26.5	82.5	51.61	561.74
Mean	1294	37.6	4.7	1.11	29.3	82.5	53.18	689.67
LSD_{0.05}	104	1.1	0.1	0.02	0.7	0.6	0.95	57.43
CV (%)	7.9	3.1	2.5	1.7	2.8	0.8	1.9	8.2

*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 2007.

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

TABLE 39. Two-year performance of early maturing Roundup Ready Flex cotton varieties on Sharkey clay at St. Joseph, La. (2005 & 2006).

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	1524*	39.9	4.7	1.09	27.1	81.5	52.21	799.64
‡Stoneville ST 5599BR	1465*	37.6	4.9	1.11	28.2	82.2	52.56	770.05
Phytogen PHY 425 RF	1451*	36.7	4.9	1.12	31.2	83.2	52.98	768.13
Phytogen PHY 485 WRF	1423	37.5	4.8	1.12	31.1	83.2	53.18	756.76
Deltapine DP 117 B2RF	1415	37.0	4.7	1.13	30.8	82.5	54.05	766.78
‡FiberMax FM 960 BR	1388	35.8	4.7	1.12	30.8	83.0	54.21	753.21
Deltapine DP 110 RF	1335	36.2	4.6	1.12	33.6	82.7	53.61	715.25
Stoneville ST 4554B2RF	1315	37.1	4.6	1.12	31.6	82.6	53.97	711.12
Stoneville ST 4664RF	1298	36.6	4.6	1.11	30.6	82.4	53.53	695.71
Croplan CG 4020 B2RF	1238	36.0	4.3	1.13	26.7	82.1	53.83	665.33
‡Deltapine DP 444 BG/RR	1215	38.5	4.4	1.12	28.0	82.6	53.28	649.34
Croplan CG 3020 B2RF	1210	34.4	4.2	1.08	26.2	82.6	52.35	635.99
Dynagro DG 2242 B2RF	1172	35.2	4.3	1.13	26.6	82.2	53.84	631.68
Croplan CG 3520 B2RF	1171	34.9	4.2	1.13	26.8	82.2	54.00	632.00
Dynagro DG 2100 B2RF	1171	33.8	4.2	1.09	26.6	82.7	52.56	615.37
Beltwide BW 4021 B2RF	1170	33.7	4.1	1.10	26.6	82.1	53.09	622.12
Dynagro DG 2215 B2RF	1155	33.5	4.1	1.11	26.9	82.7	53.50	618.82
‡Stoneville ST 5242BR	1150	37.1	4.6	1.08	26.5	82.4	52.06	599.31
Beltwide BW 3255 B2RF	1125	34.3	4.2	1.09	26.5	82.7	52.96	595.84
Mean	1288	36.1	4.5	1.11	28.5	82.5	53.25	686.57
LSD_{0.05}	87	1.3	0.1	0.02	0.7	0.5	0.97	47.86
CV (%)	7.2	3.9	2.7	1.6	2.9	0.7	1.8	7.4

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

‡Non-Roundup Ready Flex variety included for comparison purposes only.

NOTE: Promising varieties for this location are shaded.

TABLE 40. One-year performance of early maturing cotton varieties on Sharkey clay at St. Joseph, La. (2006).

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	1836*	38.8	4.9	1.11	28.5	81.7	53.63	984.06
Phytogen PHY 425 F	1775*	37.0	5.0	1.14	32.3	84.1	52.80	937.08
‡Stoneville ST 5599BR	1753*	38.0	5.0	1.13	29.3	82.6	52.71	923.86
Deltapine DP 454 BG/RR	1733*	39.3	4.4	1.09	27.5	82.1	52.41	907.85
Deltapine DP 117 B2RF	1719*	37.1	4.8	1.15	32.3	82.6	54.65	939.27
Stoneville ST 4664RF	1668*	35.1	4.5	1.12	31.4	82.4	53.98	900.66
Phytogen PHY 485 WRF	1657	37.3	5.0	1.14	31.8	83.5	53.06	879.62
†Syngenta DX25105N	1642	38.1	4.9	1.14	29.0	81.9	53.95	885.65
Stoneville ST 4427B2RF	1631	35.4	4.4	1.15	29.6	83.0	54.43	887.95
Stoneville ST 4554B2RF	1605	36.6	4.5	1.13	32.1	82.5	54.33	872.03
Phytogen PHY 310 R	1591	37.9	4.6	1.09	29.0	82.3	52.48	835.85
FiberMax FM 960 BR	1575	35.9	4.8	1.14	32.0	83.3	54.65	860.20
Deltapine DP 434 RR	1568	39.1	4.4	1.14	28.0	82.8	54.10	844.60
Deltapine DP 432 RR	1566	35.9	4.6	1.11	30.9	82.3	53.45	836.98
Stoneville ST 4575BR	1559	36.6	4.6	1.12	31.4	82.5	53.98	840.64
FiberMax FM 9068 RF	1557	35.3	4.6	1.17	32.0	83.1	54.79	852.83
Phytogen PHY 370 WR	1554	37.4	4.8	1.10	30.3	82.5	53.18	825.83
Phytogen PHY 470 WR	1553	36.5	4.9	1.12	31.5	83.4	54.31	843.35
Deltapine DP 121 RF	1548	38.4	4.7	1.14	31.4	83.5	54.25	836.27
Deltapine DP 445 BG/RR	1544	37.5	4.5	1.13	32.5	83.4	54.48	840.78
FiberMax FM 960 B2R	1513	35.1	4.9	1.14	31.4	82.7	54.36	822.51
Deltapine DP 110 RF	1507	34.8	4.8	1.15	35.5	83.1	54.76	824.94
FiberMax FM 9063 B2RF	1485	34.2	4.5	1.19	32.5	83.4	54.79	813.24
Phytogen PHY 480 WR	1481	34.2	4.9	1.15	32.2	83.8	53.50	791.73
FiberMax FM 958 LL	1464	34.7	4.8	1.18	30.4	83.1	54.68	800.17
FiberMax FM 9060 RF	1453	35.9	4.5	1.18	29.6	83.1	54.56	792.56
Deltapine DP 444 BG/RR	1420	37.5	4.3	1.14	29.2	82.9	54.03	767.22
FiberMax FM 965 LLB2	1416	31.4	4.5	1.17	32.5	84.3	54.90	777.81
†Deltapine DPLX06W650	1408	35.7	4.6	1.15	30.6	83.0	54.61	768.97
FiberMax FM 955 LLB2	1403	33.0	4.8	1.19	30.3	84.0	54.66	766.69
Stoneville ST 5242BR	1402	36.8	4.8	1.08	26.9	82.5	52.03	729.23
Stoneville ST 4357B2RF	1392	36.5	4.2	1.13	26.5	82.0	53.76	748.33
Croplan CG 3020 B2RF	1380	33.7	4.2	1.12	27.2	83.1	53.85	743.16
Beltwide BW 4630 B2RF	1368	35.2	4.2	1.14	26.7	82.4	53.89	737.13
Dynagro DG 2100 B2RF	1367	33.8	4.2	1.11	27.2	82.7	53.69	733.49
Croplan CG 4020 B2RF	1334	34.7	4.3	1.14	27.0	82.5	54.20	722.02
Stoneville ST 4700 B2RF	1330	35.5	4.3	1.13	27.3	82.9	54.18	720.40
Beltwide BW 4021 B2RF	1303	33.0	4.2	1.12	27.7	82.9	53.80	701.17
Beltwide BW 2038 B2RF	1288	33.9	4.2	1.13	28.1	82.5	54.39	700.12
Dynagro DG 2242 B2RF	1278	34.1	4.2	1.13	27.4	82.4	54.05	690.81
Dynagro DG 2215 B2RF	1276	33.2	4.2	1.12	27.6	82.9	53.98	689.03
Croplan CG 3520 B2RF	1265	34.3	4.2	1.13	27.4	81.9	53.94	680.81
Beltwide BW 3255 B2RF	1236	33.2	4.3	1.09	26.8	82.8	52.88	653.60
Mean	1501	35.8	4.6	1.13	29.8	82.8	53.93	809.29
LSD_{0.05}	168	2.1	0.2	0.02	1.1	0.8	1.14	90.7
CV (%)	7.8	4.4	2.9	1.5	3.0	0.7	1.4	7.8

*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 2007.

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

ST. JOE SHARKEY MEDIUM

TABLE 41. Three-year performance of medium maturing cotton varieties on Sharkey clay at St. Joseph, La. (2004, 2005 & 2006).

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	1666	41.9	4.8	1.10	28.4	81.7	51.78	861.00
Deltapine DP 494 RR	1524	39.5	4.8	1.16	32.9	83.5	54.01	819.94
Deltapine DP 488 BG/RR	1512	39.0	4.7	1.17	31.0	82.8	54.22	824.49
Stoneville ST 5599BR	1509	38.1	4.9	1.13	29.3	82.7	53.30	802.29
‡Deltapine DP 444 BG/RR	1392	38.6	4.3	1.13	28.7	83.4	53.96	753.21
‡Stoneville ST 5242BR	1312	37.9	4.6	1.10	27.8	82.8	52.94	673.36
FiberMax FM 800 B2R	1253	36.6	4.4	1.18	31.8	83.8	54.88	687.82
FiberMax FM 991 B2R	1168	35.1	4.5	1.17	31.8	83.4	54.79	639.71
Mean	1420	38.3	4.6	1.14	30.2	83.0	53.74	759.88
LSD_{0.05}	108	0.6	0.1	0.01	0.7	0.5	0.63	59.65
CV (%)	8.9	2.0	2.5	1.5	3.0	0.8	1.5	9.0

‡Early maturity variety included for comparison purposes only.

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

TABLE 42. Two-year performance of medium maturing cotton varieties, excluding Roundup Ready Flex varieties, on Sharkey clay at St. Joseph, La. (2005 & 2006).

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	1650	40.6	4.9	1.08	27.5	81.3	50.43	820.70
Deltapine DP 494 RR	1538	38.5	5.0	1.15	32.2	83.3	53.51	816.89
Stoneville ST 5599BR	1480	37.0	4.9	1.11	28.7	82.3	52.92	776.50
Deltapine DP 488 BG/RR	1466	37.5	4.9	1.15	29.8	82.5	53.90	796.26
‡Deltapine DP 444 BG/RR	1251	38.1	4.4	1.11	27.6	82.7	53.46	667.85
‡Stoneville ST 5242BR	1200	36.8	4.6	1.09	27.0	82.4	52.74	631.34
FiberMax FM 800 B2R	1195	35.4	4.4	1.17	31.4	83.5	54.83	655.03
FiberMax FM 991 B2R	1085	34.3	4.5	1.15	31.6	83.1	54.76	593.71
Mean	1363	37.3	4.7	1.12	29.5	82.6	53.31	721.09
LSD_{0.05}	92	0.6	0.1	0.01	0.8	0.7	0.86	50.83
CV (%)	5.9	1.9	2.4	1.3	2.8	0.8	1.7	6.1

‡Early maturity variety included for comparison purposes only.

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

TABLE 43. Two-year performance of medium maturing Roundup Ready Flex cotton varieties on Sharkey clay at St. Joseph, La. (2005 & 2006).

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	1590	40.9	4.8	1.08	27.6	81.3	50.66	802.51
Deltapine DP 164 B2RF	1504	36.1	4.5	1.15	28.5	82.7	54.22	815.97
Deltapine DP 147 RF	1484	37.7	4.3	1.16	27.6	82.4	54.15	803.63
Deltapine DP 143 B2RF	1470	36.1	4.3	1.17	28.4	81.8	54.19	796.68
‡Stoneville ST 5599BR	1468	37.3	4.8	1.11	28.4	82.4	52.68	769.62
Deltapine DP 167 RF	1456	35.6	4.3	1.17	29.9	82.9	54.51	793.80
Dynagro DG 2520 B2RF	1268	35.5	4.3	1.14	26.9	82.4	54.03	684.91
Stoneville ST 6622 RF	1246	35.4	4.7	1.13	30.1	83.1	54.13	675.21
‡Deltapine DP 444 BG/RR	1241	37.5	4.4	1.11	27.7	83.2	53.76	666.70
‡Stoneville ST 5242BR	1208	36.4	4.6	1.09	27.5	82.4	52.84	638.49
Stoneville ST 6611B2RF	1207	33.5	4.7	1.14	30.4	83.1	54.46	657.61
Mean	1373	36.6	4.5	1.13	28.4	82.5	53.60	734.81
LSD_{0.05}	70	0.9	0.1	0.02	0.8	0.5	0.71	40.63
CV (%)	5.6	2.6	2.9	1.7	3.2	0.6	1.5	5.9

‡Non-Roundup Ready Flex variety included for comparison purposes only.

NOTE: Promising varieties for this location are shaded.

TABLE 44. One-year performance of medium maturing cotton varieties on Sharkey clay at St. Joseph, La. (2006).

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	1833*	40.7	5.0	1.09	28.4	81.3	49.34	903.75
Deltapine DP 494 RR	1760*	38.5	5.1	1.16	32.6	83.8	52.65	926.87
Deltapine DP 455 BG/RR	1735*	39.4	4.4	1.13	29.6	81.8	53.81	933.69
Deltapine DP 515 BG/RR	1735*	38.6	5.0	1.12	29.3	82.7	51.81	899.55
Stoneville ST 5599BR	1732*	37.1	5.0	1.13	29.4	82.9	52.85	906.44
Deltapine DP 488 BG/RR	1675	37.4	5.0	1.17	30.6	83.2	53.99	916.15
Deltapine DP 164 B2RF	1628	35.4	4.5	1.16	29.0	83.0	54.33	886.25
Deltapine DP 147 RF	1620	37.4	4.4	1.17	28.1	82.6	54.24	878.70
†Dynagro DXN2429	1593	35.5	5.1	1.13	33.6	84.6	52.05	829.27
Deltapine DP 167 RF	1590	35.6	4.3	1.17	30.5	83.1	54.61	868.27
Deltapine DP 143 B2RF	1577	35.8	4.4	1.18	29.0	82.1	54.18	854.41
Deltapine DP 449 BG/RR	1550	36.3	4.8	1.10	29.4	82.1	53.10	823.02
Stoneville ST 5327B2RF	1536	36.5	4.5	1.13	32.0	83.8	54.51	835.47
Stoneville ST 5283RF	1484	36.6	4.5	1.12	32.3	83.3	54.34	806.36
Stoneville ST 6622RF	1443	34.5	4.7	1.13	30.8	83.0	54.48	785.81
‡Deltapine DP 444 BG/RR	1416	37.8	4.5	1.11	27.9	83.6	53.60	759.04
Stoneville ST 6565B2RF	1369	32.2	4.8	1.14	29.7	82.9	54.34	743.82
Stoneville ST 6611B2RF	1343	32.8	4.7	1.15	31.0	83.4	54.59	732.96
Dynagro DG 2490 B2RF	1328	34.1	3.8	1.09	27.7	81.8	52.56	698.77
FiberMax FM 800 B2R	1317	35.1	4.6	1.17	31.7	84.0	54.88	723.02
Dynagro DG 2520 B2RF	1311	34.7	4.4	1.14	27.0	82.4	54.00	708.04
‡Stoneville ST 5242BR	1290	36.4	4.8	1.10	27.1	82.2	52.79	681.23
FiberMax FM 991 B2R	1268	34.0	4.6	1.16	31.8	83.1	54.75	693.89
Phytogen PHY 745 WRF	1225	34.1	4.6	1.14	33.4	83.3	54.83	671.54
Beltwide BW 8391 B2RF	1200	32.0	4.4	1.17	29.5	83.7	54.55	654.50
†Dynagro OA 265 BR	1011	32.1	4.0	1.17	35.1	83.6	55.10	556.91
Mean	1481	35.8	4.6	1.14	30.2	83.0	53.70	793.36
LSD_{0.05}	111	1.2	0.2	0.02	1.2	0.9	1.18	64.94
CV (%)	5.7	2.7	3.0	1.5	3.1	0.8	1.6	6.1

*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 2007.

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

WINNSBORO IRRIGATED EARLY

TABLE 45. Three-year performance of early maturing cotton varieties on irrigated Gigger silt loam at Winnsboro, La. (2004, 2005 & 2006).

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	1642*	42.2	4.7	1.12	28.8	82.4	52.74	866.06
Deltapine DP 445 BG/RR	1599*	41.1	4.7	1.13	32.2	83.5	54.34	868.91
Deltapine DP 434 RR	1589*	41.4	4.5	1.16	28.6	83.1	54.31	863.01
‡Stoneville ST 5599BR	1565*	39.6	4.7	1.12	30.0	82.7	52.79	826.16
Deltapine DP 432 RR	1550*	39.2	4.7	1.11	31.3	83.3	53.54	829.85
FiberMax FM 960 BR	1524	38.0	4.6	1.11	32.4	82.8	53.02	808.09
Stoneville ST 4575BR	1485	39.4	4.8	1.10	32.0	82.7	52.62	781.48
Deltapine DP 444 BG/RR	1451	40.2	4.4	1.12	29.5	83.3	53.94	782.66
Stoneville ST 5242BR	1449	39.4	4.8	1.10	29.0	83.4	52.30	757.81
FiberMax 960 B2R	1353	38.6	4.7	1.17	31.8	83.1	54.04	731.13
FiberMax FM 958 LL	1330	38.7	4.6	1.16	31.9	83.3	54.70	727.46
Mean	1503	39.8	4.5	1.13	30.7	83.1	53.51	803.88
LSD_{0.05}	109	0.5	0.1	0.01	0.6	0.4	0.69	61.30
CV (%)	9.3	1.7	3.5	1.5	2.6	0.6	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**.

TABLE 46. Two-year performance of early maturing cotton varieties, excluding Roundup Ready Flex varieties, on irrigated Gigger silt loam at Winnsboro, La. (2005 & 2006).

Variety	Lint	Lint	Mike	UHM	Strength	UI	Loan Value	Gross Value
	lb/acre	percent		inches	g/tex	percent	cents/lb	\$/acre
†Syngenta DX25105N	1767*	42.0	4.8	1.12	29.2	82.5	52.66	931.61
Deltapine DP 454 BG/RR	1738*	42.8	4.4	1.07	27.9	82.1	51.29	892.58
Deltapine DP 445 BG/RR	1734*	42.0	4.6	1.11	31.4	83.2	54.16	938.81
Deltapine DP 434 RR	1730*	41.6	4.5	1.15	27.5	82.6	54.11	936.66
‡Deltapine DP 555 BG/RR	1697*	42.4	4.8	1.10	27.4	81.9	51.66	879.71
Phytogen PHY 370 WR	1634*	41.0	4.8	1.09	30.2	82.7	51.44	841.70
Phytogen PHY 310 R	1631	40.2	4.8	1.08	30.2	82.3	51.37	837.43
Deltapine DP 432 RR	1626	39.3	4.7	1.10	30.6	83.0	53.06	862.00
‡Stoneville ST 5599BR	1597	39.8	4.9	1.11	29.0	82.3	51.79	829.18
FiberMax FM 960 BR	1571	38.5	4.7	1.10	31.3	82.3	51.99	819.81
Stoneville ST 5242BR	1561	39.9	4.8	1.09	28.0	83.0	51.36	801.93
Deltapine DP 444 BG/RR	1538	40.8	4.4	1.10	28.3	82.7	53.49	822.83
Stoneville ST 4575BR	1532	39.9	4.8	1.09	31.2	82.2	52.07	798.28
FiberMax FM 960 B2R	1487	39.0	4.7	1.15	30.9	82.8	53.70	799.44
Phytogen PHY 480 WR	1463	37.8	4.9	1.12	31.2	83.4	52.95	776.27
Phytogen PHY 470 WR	1453	41.0	4.8	1.10	30.3	82.9	51.81	754.74
FiberMax FM 958 LL	1366	39.1	4.7	1.16	30.3	82.5	54.55	745.10
Mean	1596	40.3	4.7	1.11	29.7	82.6	52.56	839.30
LSD_{0.05}	134	0.5	0.1	0.02	0.7	0.5	1.12	75.29
CV (%)	8.6	1.5	3.3	1.6	2.5	0.6	2.3	9.1

*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 2007

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

TABLE 47. Two-year performance of early maturing Roundup Ready Flex cotton varieties on irrigated Gigger silt loam at Winnsboro, La. (2005 & 2006).

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
‡Stoneville ST 5242BR	1710*	39.8	4.7	1.10	27.8	83.0	52.14	893.35
‡Stoneville ST 5599BR	1671*	39.9	4.8	1.12	29.0	82.2	51.98	872.35
Stoneville ST 4664RF	1650*	40.7	4.4	1.11	30.4	82.3	53.93	888.38
‡Deltapine DP 555 BG/RR	1648*	42.2	4.8	1.09	27.0	81.8	51.33	847.84
Stoneville ST 4554B2RF	1634*	39.5	4.7	1.12	31.5	82.5	54.28	887.18
‡Deltapine DP 444 BG/RR	1634*	40.8	4.4	1.11	28.0	82.3	53.35	872.19
Beltwide BW 4021 B2RF	1595*	36.8	4.1	1.11	26.5	82.0	53.34	851.54
‡FiberMax FM 960 BR	1580*	38.2	4.6	1.11	31.5	82.2	52.38	831.01
Deltapine DP 110 RF	1577*	39.5	4.7	1.11	33.5	82.8	53.44	843.57
Phytogen PHY 485 WRF	1569*	39.7	4.8	1.11	31.3	83.3	52.88	830.75
Phytogen PHY 425 RF	1564*	38.4	4.9	1.11	30.6	83.1	52.06	817.22
Dynagro DG 2242 B2RF	1528	38.6	4.3	1.13	27.6	82.6	53.66	820.26
Croplan CG 3520 B2RF	1507	38.3	4.4	1.14	27.8	82.6	54.18	816.61
Croplan CG 4020 B2RF	1499	38.4	4.2	1.15	27.4	82.7	54.27	813.55
Dynagro DG 2215 B2RF	1484	37.0	4.1	1.11	27.1	82.3	53.28	789.76
Beltwide BW 3255 B2RF	1451	37.9	4.4	1.09	27.1	82.4	52.91	767.64
Deltapine DP 117 B2RF	1451	40.6	4.8	1.12	30.7	82.0	52.49	763.61
Croplan CG 3020 B2RF	1416	37.7	4.3	1.09	26.8	82.2	52.30	742.72
Dynagro DG 2100 B2RF	1374	37.5	4.3	1.09	27.2	82.7	52.81	725.27
Mean	1555	39.0	4.5	1.11	28.9	82.5	53.00	824.99
LSD_{0.05}	158	0.4	0.2	0.02	0.7	0.6	1.22	96.85
CV (%)	9.5	1.2	3.7	1.8	2.6	0.7	2.3	10.4

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

‡Non-Roundup Ready Flex variety included for comparison purposes only.

NOTE: Promising Recommended varieties for this location are shaded.

TABLE 48. One-year performance of early maturing cotton varieties on irrigated Gigger silt loam at Winnsboro, La. (2006).

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cent/lb	Gross Value \$/acre
†Syngenta DX25105N	1585*	41.3	5.1	1.13	29.5	82.6	51.98	824.90
‡Deltapine DP 555 BG/RR	1564*	42.5	5.1	1.10	27.5	82.3	50.28	788.51
Deltapine DP 434 RR	1552*	42.4	4.7	1.14	27.7	82.0	53.79	834.39
Deltapine DP 454 BG/RR	1550*	42.9	4.7	1.06	27.5	81.6	50.70	785.88
Stoneville ST 4554B2RF	1542*	40.1	4.8	1.13	31.9	82.2	54.41	839.11
Stoneville ST 5242BR	1503*	40.6	5.1	1.10	28.0	83.1	51.24	768.37
Stoneville ST 4427 B2RF	1503*	39.4	4.7	1.12	29.2	82.3	53.13	799.86
Deltapine DP 121 RF	1501*	41.4	4.9	1.13	30.9	82.6	53.79	808.33
‡Stoneville ST 5599BR	1496*	41.1	5.4	1.11	28.8	81.9	49.66	742.95
Deltapine DP 432 RR	1496*	39.5	4.8	1.12	31.3	83.2	53.93	806.39
Phytogen PHY 310R	1491*	41.0	5.0	1.09	30.8	82.3	50.91	757.85
Phytogen PHY 370WR	1485*	41.5	5.1	1.10	30.7	82.4	50.91	756.87
Deltapine DP 445 BG/RR	1458*	40.6	4.8	1.12	32.4	83.5	54.53	795.00
Phytogen PHY 485 WRF	1457*	39.5	5.0	1.12	32.2	83.1	52.70	769.72
Deltapine DP 110 RF	1443*	39.6	5.0	1.12	34.7	83.0	53.65	775.78
Deltapine DP 444 BG/RR	1441*	40.6	4.6	1.10	28.1	82.3	53.53	771.18
Deltapine DP 117 B2RF	1439*	40.1	5.0	1.14	31.1	81.8	53.76	774.89
Stoneville ST 4664RF	1438*	39.8	4.7	1.12	30.7	82.3	54.19	779.16
Phytogen PHY 425 RF	1411	38.6	5.3	1.11	31.6	83.3	50.74	716.09
Stoneville ST 4575BR	1399	40.8	5.0	1.11	32.4	82.4	51.93	727.37
Beltwide BW 4630 B2RF	1378	38.6	4.5	1.14	27.5	82.4	53.95	743.69
FiberMax FM 960 BR	1371	38.4	5.1	1.10	31.7	82.1	50.70	695.10
Phytogen PHY 480WR	1366	38.1	5.1	1.13	32.2	83.9	51.78	707.72
Dynagro DG 2242 B2RF	1366	38.6	4.6	1.12	27.7	82.7	53.56	731.21
FiberMax FM 960 B2R	1359	38.8	5.0	1.16	31.4	82.7	52.98	719.57
Croplan CG 3520 B2RF	1349	37.6	4.5	1.14	28.0	82.8	54.41	734.00
Stoneville ST 4357 B2RF	1349	39.3	4.5	1.15	27.1	82.5	54.24	731.37
Beltwide BW 3255 B2RF	1336	37.9	4.6	1.09	27.4	82.5	52.89	706.55
Phytogen PHY 470 WR	1334	39.0	5.0	1.11	31.1	83.2	52.11	695.06
Croplan CG 3020 B2RF	1323	37.2	4.5	1.09	26.7	82.2	52.83	699.19
Dynagro DG 2215 B2RF	1311	36.7	4.3	1.12	28.0	82.6	53.74	704.86
Croplan CG 4020 B2RF	1297	38.9	4.5	1.15	27.5	82.4	54.18	702.68
FiberMax FM 9060 F	1293	40.0	4.6	1.14	28.5	82.1	53.78	695.35
Dynagro DG 2100 B2RF	1264	37.1	4.5	1.10	27.4	83.0	53.26	672.80
FiberMax 965 B2LL	1255	36.7	4.8	1.15	31.8	83.8	54.73	686.55
FiberMax FM 9068 F	1247	38.2	4.7	1.17	31.6	82.8	54.75	682.97
FiberMax FM 955 B2LL	1247	37.0	5.0	1.18	30.8	83.4	53.35	665.78
FiberMax FM 9063 B2RF	1241	37.9	4.8	1.17	30.9	83.1	54.50	676.23
Beltwide BW 4021 B2RF	1240	35.6	4.2	1.11	26.4	81.8	53.20	659.64
FiberMax FM 958 LL	1238	38.7	4.8	1.17	29.6	82.6	54.48	674.45
†Deltapine DPLX06W650F	1234	39.1	4.8	1.13	29.7	82.7	53.10	656.67
Stoneville ST 4700 B2RF	1178	38.0	4.6	1.13	28.9	82.9	53.53	631.65
Beltwide BW 2038 B2RF	1098	37.4	4.5	1.12	28.2	82.3	53.40	586.76
Mean	1382	39.3	4.8	1.12	29.7	82.6	53.01	732.15
LSD_{0.05}	156	1.0	0.2	0.02	1.2	0.8	1.55	94.14
CV (%)	10.6	1.9	2.7	1.6	3.2	0.7	2.1	8.6

*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 2007.

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

WINNSBORO IRRIGATED MEDIUM

TABLE 49. Three-year performance of medium maturing cotton varieties on irrigated Gigger silt loam at Winnsboro, La. (2004, 2005 & 2006).

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
Stoneville ST 5599BR	1699*	39.3	4.7	1.13	30.7	82.8	53.30	905.67
Deltapine DP 555 BG/RR	1622*	42.2	4.7	1.12	28.9	81.9	53.43	866.85
‡Stoneville ST 5242BR	1587	39.9	4.5	1.10	28.9	83.2	53.21	842.31
‡Deltapine DP 444 BG/RR	1555	39.8	4.3	1.12	29.5	83.0	53.79	835.49
FiberMax FM 800 B2R	1542	38.7	4.1	1.20	32.2	83.8	54.83	845.45
Deltapine DP 494 RR	1542	40.1	4.6	1.16	32.8	83.2	54.25	836.96
Deltapine DP 488 BG/RR	1516	39.6	4.5	1.16	30.8	82.9	54.16	820.43
FiberMax FM 991 B2R	1311	35.9	4.3	1.17	32.6	83.2	54.82	718.59
Mean	1547	39.4	4.4	1.14	30.8	83.0	53.97	833.97
LSD_{0.05}	98.4	1.4	0.1	0.01	0.6	0.5	0.58	54.71
CV (%)	8.3	4.5	3.8	1.2	2.8	0.8	1.4	8.4

*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**.

TABLE 50. Two-year performance of medium maturing cotton varieties, excluding Roundup Ready Flex varieties, on irrigated Gigger silt loam at Winnsboro, La. (2005 & 2006).

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
Stoneville ST 5599BR	1744*	39.5	4.8	1.11	29.4	82.3	52.50	916.48
‡Stoneville ST 5242BR	1690*	41.2	4.7	1.09	27.7	82.6	52.41	884.78
FiberMax FM 800 B2R	1653*	39.3	4.3	1.18	31.4	83.5	54.72	904.48
Deltapine DP 494 RR	1633	40.5	4.8	1.15	31.4	82.7	53.85	880.90
Deltapine DP 488 BG/RR	1620	39.7	4.7	1.15	29.3	82.5	53.70	870.32
Deltapine DP 555 BG/RR	1615	42.4	4.7	1.10	27.7	81.2	52.79	852.86
‡Deltapine DP 444 BG/RR	1604	40.4	4.3	1.11	28.3	82.5	53.20	852.46
FiberMax FM 991 B2R	1299	35.9	4.3	1.15	31.1	82.7	54.73	710.65
Mean	1607	39.8	4.6	1.13	29.53	82.48	53.49	859.12
LSD_{0.05}	101.1	2.0	0.1	0.02	0.8	0.69	0.88	55.51
CV (%)	6.7	5.1	2.9	1.5	2.8	0.85	1.7	6.8

*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**.

TABLE 51. Two-year performance of medium maturing Roundup Ready Flex cotton varieties on irrigated Gigger silt loam at Winnsboro, La. (2005 & 2006).

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	1693*	42.5	4.6	1.11	28.0	81.6	53.19	901.15
Stoneville ST 6611B2RF	1616*	37.1	4.4	1.14	29.8	82.6	54.24	875.54
‡Stoneville ST 5242BR	1601*	41.2	4.6	1.10	27.6	82.8	53.44	855.63
‡Stoneville ST 5599BR	1593*	40.0	4.7	1.13	29.6	82.3	53.02	844.30
Deltapine DP 147 RF	1559	40.0	4.1	1.18	28.6	82.2	54.28	846.28
Deltapine DP 167 RF	1496	40.1	4.1	1.16	30.7	82.7	54.41	814.04
‡Deltapine DP 444 BG/RR	1496	40.4	4.2	1.11	28.2	82.6	53.81	805.07
Deltapine DP 164 B2RF	1469	39.6	4.4	1.16	28.4	82.1	54.14	795.41
Stoneville ST 6622RF	1411	38.8	4.3	1.15	29.8	82.5	54.28	765.82
Dynagro DG 2520 B2RF	1370	39.4	4.3	1.17	27.7	82.6	54.24	742.78
Deltapine DP 143 B2RF	1370	39.1	4.1	1.20	29.2	82.3	54.40	745.13
Mean	1516	39.8	4.4	1.15	28.9	82.4	53.95	817.38
LSD_{0.05}	134	1.2	0.2	0.03	0.9	0.8	0.55	73.29
CV (%)	8.9	3.3	5.0	2.4	3.2	0.8	1.06	8.6

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

‡Non-Roundup Ready Flex variety included for comparison purposes only.

NOTE: Promising varieties for this location are shaded.

TABLE 52. One-year performance of medium maturing cotton varieties on irrigated Gigger silt loam at Winnsboro, La. (2006).

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
‡Stoneville ST 5242BR	1591*	42.6	4.9	1.10	28.0	82.8	53.24	846.61
Stoneville ST 5599BR	1568*	40.1	5.1	1.13	30.3	82.3	52.19	817.17
Deltapine DP 147 RF	1544*	39.7	4.5	1.17	29.1	82.1	54.18	836.23
Deltapine DP 555 BG/RR	1523*	42.8	4.9	1.11	28.1	81.6	52.88	805.26
Deltapine DP 167 RF	1485*	42.0	4.5	1.13	31.9	82.5	54.31	806.39
‡Deltapine DP 444 BG/RR	1457	40.0	4.4	1.12	28.6	82.4	53.83	784.33
Deltapine DP 164 B2RF	1434	39.7	4.8	1.15	28.8	82.0	54.23	777.35
Deltapine DP 515 BG/RR	1433	40.1	4.9	1.13	28.5	82.4	52.05	747.93
FiberMax FM 800 B2R	1420	39.2	4.5	1.21	32.5	84.0	54.91	779.56
Deltapine DP 494 RR	1399	40.2	5.0	1.16	31.7	82.8	53.31	745.88
Stoneville ST 5283RF	1375	40.9	4.7	1.15	32.5	82.9	54.75	753.14
Deltapine DP 449 BG/RR	1371	37.9	4.8	1.13	30.9	82.4	54.09	741.59
Deltapine DP 488 BG/RR	1362	39.3	4.8	1.17	29.8	82.7	53.84	733.53
Deltapine DP 455 BG/RR	1360	41.3	4.3	1.13	30.0	82.1	54.23	738.06
Deltapine DP 143 B2RF	1356	39.2	4.5	1.21	29.0	82.1	54.18	734.87
†Dynagro DXN2429	1327	38.6	5.1	1.11	31.8	83.8	51.90	688.21
Stoneville ST 6611B2RF	1322	36.1	4.6	1.15	30.5	82.7	54.58	721.33
Stoneville ST 6622RF	1276	38.2	4.6	1.15	30.3	82.3	54.48	694.97
Dynagro DG 2520 B2RF	1260	38.5	4.5	1.16	28.5	82.7	54.36	684.61
Stoneville ST 5327B2RF	1208	37.3	4.4	1.16	29.4	82.2	54.39	657.05
Stoneville ST 6565 B2RF	1197	35.1	4.5	1.15	29.8	82.6	54.19	649.21
Dynagro DG 2490 B2RF	1195	37.1	3.9	1.10	28.3	82.0	52.96	631.92
Phytogen PHY 745 WRF	1176	37.4	4.5	1.14	33.0	82.5	54.49	641.05
Beltwide BW 8391 B2RF	1128	35.4	4.2	1.17	29.1	83.2	54.51	615.22
FiberMax FM 991 B2R	1035	34.3	4.4	1.16	31.7	83.0	54.71	566.54
†Dynagro OA 265BR	897	36.5	4.1	1.17	35.7	83.6	55.00	493.55
Mean	1335	38.8	4.6	1.15	30.3	82.59	53.91	718.91
LSD_{0.05}	129	3.0	0.2	0.03	1.5	1.2	1.22	71.45
CV (%)	7.4	5.5	3.6	1.8	3.7	0.9	1.6	7.6

*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 2007.

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

WINNSBORO NON-IRRIGATED EARLY

TABLE 53. One-year performance of early maturing cotton varieties on non-irrigated Gigger silt loam at Macon Ridge, La. (2006).

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cent/lb	Gross Value \$/acre
Phytogen PHY 470 WR	817*	38.6	4.3	1.05	27.4	82.1	50.44	413.16
†Deltapine DPLX06W650F	796*	38.3	3.8	1.11	26.8	81.7	53.6	426.49
‡Stoneville ST 5599BR	733*	38.9	4.0	1.08	24.6	80.4	51.60	379.27
Phytogen PHY 310R	717*	38.3	3.9	1.05	26.2	80.7	50.05	359.09
Deltapine DP 454 BG/RR	694*	39.1	3.9	1.03	24.0	80.1	49.58	344.74
Deltapine DP 117 B2RF	687*	36.7	4.1	1.11	28.3	82.1	53.43	367.37
Deltapine DP 110 RF	676*	38.1	4.2	1.08	31.1	81.5	52.29	354.40
Phytogen PHY 370WR	672*	38.3	4.2	1.03	25.8	80.6	50.48	339.38
Stoneville ST 4575BR	672*	37.6	4.1	1.06	27.6	81.0	50.95	341.75
Deltapine DP 445 BG/RR	670*	39.0	4.0	1.11	29.9	81.8	53.30	358.63
Stoneville ST 4357 B2RF	657*	36.1	3.5	1.08	22.9	80.9	51.80	341.41
Stoneville ST 4427 B2RF	651*	36.2	3.8	1.07	25.2	81.5	51.25	335.50
Croplan CG 4020 B2RF	639*	35.7	3.5	1.10	24.4	81.0	52.80	337.53
Deltapine DP 432 RR	637*	35.7	4.0	1.06	26.9	81.3	50.95	325.33
Stoneville ST 4700 B2RF	635*	37.8	3.7	1.09	24.7	81.0	52.08	333.08
Beltwide BW 2038 B2RF	633*	35.9	3.7	1.08	24.1	81.4	51.85	329.73
Phytogen PHY 425 RF	630*	36.4	4.2	1.08	28.0	81.9	51.69	326.54
Stoneville ST 4664RF	627*	36.9	3.8	1.07	28.8	81.1	51.60	324.06
Deltapine DP 434 RR	605*	38.3	4.0	1.08	24.7	80.9	52.15	315.51
Deltapine DP 121 RF	597*	39.0	4.2	1.05	27.3	80.9	50.96	305.16
Phytogen PHY 480WR	596*	37.1	4.2	1.06	27.9	81.7	51.31	307.92
Phytogen PHY 485 WRF	594*	38.1	4.3	1.06	28.5	81.8	51.28	305.88
†Syngenta DX25105N	581*	37.8	4.1	1.05	23.8	80.7	50.58	296.45
Dynagro DG 2100 B2RF	579*	36.0	3.5	1.05	23.2	81.4	50.60	293.29
‡Deltapine DP 555 BG/RR	569*	39.4	4.4	1.07	23.5	80.3	51.15	290.35
FiberMax FM 960 B2R	566*	39.1	4.0	1.08	24.2	80.7	52.03	295.80
FiberMax FM 958 LL	559*	34.1	3.8	1.12	26.6	81.9	53.94	301.74
Deltapine DP 444 BG/RR	554*	34.1	4.0	1.07	25.6	81.5	51.55	287.70
Dynagro DG 2215 B2RF	547*	34.7	3.4	1.06	24.0	81.0	50.58	277.73
FiberMax FM 9068 F	522	35.2	3.9	1.10	27.2	81.5	53.20	278.02
FiberMax FM 965 B2LL	520	33.9	3.6	1.12	27.0	82.2	53.54	279.68
FiberMax FM 9063 B2RF	517	34.1	3.6	1.11	27.3	81.0	53.50	276.33
Stoneville ST 4554B2RF	513	35.9	4.1	1.05	29.6	81.2	51.18	264.09
Stoneville ST 5242BR	498	37.8	4.2	1.04	23.8	81.0	50.70	254.06
Dynagro DG 2242 B2RF	493	36.4	3.7	1.08	23.8	81.3	51.66	257.23
FiberMax FM 9060 F	493	36.2	3.8	1.09	23.9	80.6	52.85	261.60
Beltwide BW 4630 B2RF	490	36.0	3.5	1.05	22.1	80.4	50.68	249.66
FiberMax FM 960 BR	449	34.2	3.7	1.06	27.9	81.6	50.91	229.24
FiberMax FM 955 B2LL	433	32.7	3.7	1.11	24.1	81.1	53.31	231.42
Beltwide BW 3255 B2RF	431	35.0	3.6	1.04	23.1	80.9	50.65	219.47
Croplan CG 3020 B2RF	423	34.0	3.4	1.02	23.0	80.4	49.35	208.90
Beltwide BW 4021 B2RF	385	32.9	3.5	1.03	23.1	80.5	49.35	190.13
Croplan CG 3520 B2RF	380	36.7	3.8	1.06	24.1	81.2	50.48	191.73
Mean	585	36.6	3.9	1.07	25.7	81.2	51.56	302.48
LSD_{0.05}	277	4.2	0.3	0.04	1.5	1.02	1.98	161.86
CV (%)	25.5	6.8	6.1	2.6	4.5	0.8	2.6	27.2

*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 2007.

WINNSBORO NON-IRRIGATED MEDIUM

TABLE 54. One-year performance of medium maturing cotton varieties on non-irrigated Gigger Silt Loam at Macom Ridge, La. (2006).

Variety	Lint lb/acre	Lint percent	Mike	UHM inches	Strength g/tex	UI percent	Loan Value cents/lb	Gross Value \$/acre
Stoneville ST 5283RF	784*	39.5	4.4	1.09	31.0	82.2	53.21	416.64
Stoneville ST 5599BR	762*	38.8	4.7	1.06	26.0	80.9	50.16	384.18
Deltapine DP 488 BG/RR	737*	37.7	4.4	1.12	27.6	81.5	53.38	394.14
Stoneville ST 5327B2RF	730*	35.9	4.0	1.13	26.3	80.7	53.74	392.74
Deltapine DP 143 B2RF	726*	37.3	3.9	1.13	25.6	80.9	54.04	392.78
Deltapine DP 494 RR	722*	38.4	4.3	1.13	29.1	81.9	53.83	388.98
‡Stoneville ST 5242BR	713*	41.3	4.3	1.05	25.0	80.8	50.80	363.25
†Dynagro DXN2429	688*	37.0	4.7	1.08	29.8	82.1	52.30	359.90
Deltapine DP 167 RF	663*	38.5	4.2	1.09	30.7	81.7	52.78	350.82
Dynagro DG 2490 B2RF	644*	36.0	3.4	1.06	24.5	80.5	50.63	326.84
Deltapine DP 455 BG/RR	623*	38.4	4.1	1.09	25.5	80.5	52.43	327.74
Beltwide BW 8391 B2RF	617	34.6	4.1	1.11	26.3	81.9	53.06	328.10
‡Deltapine DP 444 BG/RR	614	38.5	4.2	1.05	24.6	81.3	49.95	306.85
Stoneville ST 6565 B2RF	604	32.7	4.1	1.12	26.6	81.5	53.69	325.03
Deltapine DP 449 BG/RR	596	36.8	4.4	1.08	26.1	81.3	52.07	310.33
Phytogen PHY 745 WRF	571	36.3	4.0	1.13	32.0	81.5	54.49	311.13
Stoneville ST 6622RF	555	34.5	4.1	1.10	25.3	80.9	52.83	293.21
Deltapine DP 164 B2RF	550	35.6	3.9	1.11	24.6	80.8	53.67	295.19
Dynagro DG 2520 B2RF	547	35.7	3.6	1.09	24.2	81.1	52.56	287.50
Deltapine DP 147 RF	544	36.3	4.0	1.12	25.0	80.2	53.92	293.33
Deltapine DP 555 BG/RR	542	41.2	4.4	1.06	23.5	80.3	50.35	272.87
FiberMax FM 991 B2R	542	36.1	4.2	1.14	28.5	82.0	54.28	294.22
Deltapine DP 515 BG/RR	532	37.6	4.2	1.08	24.2	81.1	51.91	276.18
†Dynagro OA 265BR	509	37.2	4.0	1.13	33.7	81.6	54.68	278.32
Stoneville ST 6611B2RF	492	33.8	3.9	1.09	25.3	80.8	52.45	258.03
FiberMax FM 800 B2R	406	35.1	4.0	1.14	27.4	81.4	54.11	219.68
Mean	616	37.0	4.1	1.10	26.84	81.2	52.70	324.92
LSD_{0.05}	162	0.7	0.3	0.03	1.4	0.8	1.6	97.08
CV (%)	17.3	4.7	5.9	2.2	4.2	0.7	2.2	18.6

*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 2007.

Table 55. Fusarium wilt and root-knot nematode ratings for cotton variety test at the Red River Research Station, Bossier City, La., 2006

Cultivar	Gall Rating ^y	Wilt Rating ^z
Acala Nemx	2.1	0.1
Acala Nemx HY	2.0	0.1
BCG 4630B2F	3.8	0.1
BCG 4021 B2F	3.9	0.1
Croplan Genetics CG 3520 B2RF	3.5	0.3
Croplan Genetics CG 4020 B2RF	3.9	0.4
Croplan Genetics CG 3020 B2RF	4.1	0.0
Deltapine DP 110 RF	3.0	0.6
Deltapine DP 117 B2RF	3.0	0.8
Deltapine DP 143 B2RF	4.0	0.1
Deltapine DP 147 RF	4.0	0.1
Deltapine DP 164 B2RF	4.0	0.2
Deltapine DP 167 RF	4.0	0.2
Deltapine DP 432 RR	4.2	0.2
Deltapine DP 434 RR	3.4	0.4
Deltapine DP 444 BG/RR	3.7	0.1
Deltapine DP 555 BG/RR	3.8	0.7
DynaGrow 2242 B2RF	3.1	0.1
DynaGrow 2520 B2RF	4.3	0.4
FiberMax FM 800 B2R	4.0	1.1
FiberMax FM 9068 F	3.8	1.2
FiberMax FM 960 BR	3.6	0.3
FiberMax FM 960 B2R	3.7	0.7
Phytogen PHY 425 RF	4.2	0.3
Phytogen PHY 370 WR	3.2	0.5
Phytogen PHY 485 WRF	4.0	0.5
Phytogen PHY 480 WR	3.6	0.3
Syngenta DX 25105N	3.5	0.3
Stoneville ST 4554 B2RF	3.5	0.1
Stoneville ST 4664 RF	3.7	0.1
Stoneville ST 4357 B2RF	3.6	0.0
Stoneville ST 6611 B2RF	3.1	0.2
Stoneville ST 5242 BR	2.9	0.2
Stoneville ST 6622 RF	3.7	0.4
Stoneville ST LA887	1.9	0.2
Red Leaf	3.8	1.5
LSD ($P = 0.05$)	0.9	0.6

^yRoot-gall rating on a scale of 0-5; 0=no root galling, 5=severe root galling.

^zWilt rating on a scale of 0-5; 0=no stem discoloration, 5=complete stem discoloration.

Table 56. Fusarium wilt and root-knot nematode ratings for cotton variety test in 2006 and two-year averages at the Red River Research Station, Bossier City, La.

Cultivar	2006		2-year Average	
	Gall Rating ^y	Wilt Rating ^z	Gall Rating ^y	Wilt Rating ^z
Acala Nemx	2.1	0.1	2.6	0.3
Acala Nemx HY	2.0	0.1	2.6	0.4
Deltapine DP 434 RR	3.4	0.4	3.4	1.4
Deltapine DP 444 BG/RR	3.7	0.1	3.9	1.0
Deltapine DP 555 BG/RR	3.8	0.7	4.0	2.1
Fiber Max FM 800 B2R	4.0	1.1	4.0	2.3
FiberMax FM 960 BR	3.6	0.3	3.6	1.3
FiberMax FM 960 B2R	3.7	0.7	4.2	2.4
Phytogen PHY 370 WR	3.2	0.5	3.8	2.1
Phytogen PHY 480 WR	3.6	0.3	3.7	1.0
Syngenta DX 25105N	3.5	0.3	3.8	1.4
Stoneville ST 5242 BR	2.9	0.2	3.3	1.1
Stoneville ST LA887	1.9	0.2	2.5	0.6

^yRoot-gall rating on a scale of 0-5; 0=no root galling, 5=severe root galling.

^zWilt rating on a scale of 0-5; 0=no stem discoloration, 5=complete stem discoloration.



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