

**BOSSIER CITY EARLY**

**TABLE 1. Three-year performance of early maturing cotton varieties on a Norwood silt loam at Bossier City, La. (2004, 2005 & 2006).**

<b>Variety</b>	<b>Lint</b>	<b>Lint</b>	<b>Mike</b>	<b>UHM</b>	<b>Strength</b>	<b>UI</b>	<b>Loan Value</b>	<b>Gross Value</b>
	Lb/acre	percent		inches	g/tex	percent	cents/lb	\$/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
<b>Mean</b>	<b>1255</b>	<b>38.3</b>	<b>4.4</b>	<b>1.11</b>	<b>29.4</b>	<b>82.8</b>	<b>53.20</b>	<b>674.30</b>
<b>LSD<sub>0.05</sub></b>	88	0.7	0.2	0.01	0.8	0.5	0.74	59.78
<b>CV (%)</b>	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.

**TABLE 2. Two-year performance of non-Roundup Ready Flex early maturing cotton varieties on a Norwood silt loam at Bossier City, La. (2005 & 2006).**

<b>Variety</b>	<b>Lint</b>	<b>Lint</b>	<b>Mike</b>	<b>UHM</b>	<b>Strength</b>	<b>UI</b>	<b>Loan Value</b>	<b>Gross Value</b>
	lb/acre	percent		inches	g/tex	percent	cents/lb	\$/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
<b>Mean</b>	<b>1188</b>	<b>38.3</b>	<b>4.4</b>	<b>1.08</b>	<b>28.9</b>	<b>82.3</b>	<b>52.15</b>	<b>634.38</b>
<b>LSD<sub>0.05</sub></b>	115	0.9	0.2	0.02	0.9	0.5	1.02	98.43
<b>CV (%)</b>	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.

**TABLE 3. Two-year performance of early maturing Roundup Ready Flex cotton varieties on a Norwood silt loam at Bossier City, La. (2005 and 2006).**

<b>Variety</b>	<b>Lint</b>	<b>Lint</b>	<b>Mike</b>	<b>UHM</b>	<b>Strength</b>	<b>UI</b>	<b>Loan Value</b>	<b>Gross Value</b>
	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
<b>Mean</b>	<b>1032</b>	<b>37.0</b>	<b>4.2</b>	<b>1.09</b>	<b>28.1</b>	<b>82.3</b>	<b>52.50</b>	<b>546.72</b>
<b>LSD<sub>0.05</sub></b>	106	0.9	0.2	0.02	0.9	0.7	1.13	58.37
<b>CV (%)</b>	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.

**TABLE 4. One-year performance of early maturing cotton varieties on a 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
<b>Mean</b>	<b>807</b>	<b>37.3</b>	<b>4.3</b>	<b>1.08</b>	<b>28.7</b>	<b>82.1</b>	<b>52.16</b>	<b>425.11</b>
<b>LSD<sub>0.05</sub></b>	149	1.1	0.4	0.03	1.4	1.1	1.73	87.63
<b>CV (%)</b>	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.

## BOSSIER CITY MEDIUM

**TABLE 5. Three-year performance of medium maturing cotton varieties on a 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
<b>Mean</b>	<b>1285</b>	<b>37.6</b>	<b>4.4</b>	<b>1.13</b>	<b>29.3</b>	<b>82.9</b>	<b>53.77</b>	<b>690.23</b>
<b>LSD<sub>0.05</sub></b>	102	0.5	0.1	0.01	0.6	0.4	0.6	74.09
<b>CV (%)</b>	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.

**TABLE 6. Two-year performance of medium maturing non Roundup Ready Flex cotton varieties on a 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
<b>Mean</b>	<b>1211</b>	<b>36.9</b>	<b>4.4</b>	<b>1.12</b>	<b>28.3</b>	<b>82.3</b>	<b>53.33</b>	<b>647.27</b>
<b>LSD<sub>0.05</sub></b>	149	0.5	0.2	0.02	0.7	0.6	0.80	92.86
<b>CV (%)</b>	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.

**TABLE 7. Two-year performance of medium maturing Roundup Ready Flex cotton varieties on a Norwood silt loam at Bossier City, La. (2005 & 2006).**

<b>Variety</b>	<b>Lint</b>	<b>Lint</b>	<b>Mike</b>	<b>UHM</b>	<b>Strength</b>	<b>UI</b>	<b>Loan Value</b>	<b>Gross Value</b>
	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
<b>Mean</b>	<b>1152</b>	<b>36.1</b>	<b>4.3</b>	<b>1.11</b>	<b>28.1</b>	<b>82.3</b>	<b>53.22</b>	<b>608.18</b>
<b>LSD<sub>0.05</sub></b>	142	0.6	0.2	0.02	0.8	0.7	1.00	125.98
<b>CV (%)</b>	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.

**TABLE 8. One-year performance of medium maturing cotton varieties on a 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
†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
<b>Mean</b>	<b>1087</b>	<b>34.6</b>	<b>4.2</b>	<b>1.11</b>	<b>29.2</b>	<b>82.5</b>	<b>53.26</b>	<b>578.20</b>
<b>LSD<sub>0.05</sub></b>	160	0.8	0.3	0.02	1.3	0.8	1.27	101.88
<b>CV (%)</b>	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.