

ST. JOE COMMERCE EARLY

TABLE 1. Three-year performance of early maturing cotton varieties on a Commerce silt loam at St. Joseph, 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	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.

TABLE 2. Two-year performance of early maturing cotton varieties on a Commerce silt loam at St. Joseph, La. (2005 & 2005).

Variety	Lint	Lint	Mike	UHM	Strength	UI	Loan Value	Gross Value
	lb/acre	percent		inches	g/tex	percent	cents/lb	\$/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.

TABLE 3. One-year performance of early maturing cotton varieties on a 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.

ST. JOE COMMERCE MEDIUM

TABLE 4. Three-year performance of medium maturing cotton varieties on a Commerce silt loam at St. Joseph, 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	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.

TABLE 5. Two-year performance of medium maturing cotton varieties on a Commerce silt loam at St. Joseph, 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	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

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

‡Early maturity variety included for comparison purposes only.

TABLE 6. One-year performance of medium maturing cotton varieties on a 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
†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.

ST JOE SHARKEY EARLY

TABLE 7. Three-year performance of early maturing cotton varieties on a Sharkey clay at St. Joseph, 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	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.

TABLE 8. Two-year performance of early maturing non-Roundup Ready Flex cotton varieties on a Sharkey clay at St. Joseph, 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	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.

TABLE 9. Two-year performance of early maturing Roundup Ready Flex cotton varieties on a 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.

TABLE 10. One-year performance of early maturing cotton varieties on a 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.

ST. JOE SHARKEY MEDIUM

TABLE 11. Three-year performance of medium maturing cotton varieties on a Sharkey clay at St. Joseph, 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	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

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

‡Early maturity variety included for comparison purposes only.

TABLE 12. Two-year performance of medium maturing non-Roundup Ready Flex cotton varieties on a Sharkey clay at St. Joseph, 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	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

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

‡Early maturity variety included for comparison purposes only.

TABLE 13. Two-year performance of medium maturing Roundup Ready Flex cotton varieties on a Sharkey clay at St. Joseph, 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	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

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

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

TABLE 14. One-year performance of medium maturing cotton varieties on a 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
†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.