

## ALEXANDRIA SILT LOAM EARLY

**TABLE 1. Three-year performance of early maturing cotton varieties on a Norwood silt loam 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
‡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
<b>Mean</b>	<b>1253</b>	<b>37.6</b>	<b>4.4</b>	<b>1.14</b>	<b>30.70</b>	<b>83.28</b>	<b>54.24</b>	<b>682.39</b>
<b>LSD<sub>0.05</sub></b>	179	1.0	0.2	0.01	0.9	0.5	0.5	93.0
<b>CV (%)</b>	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.

**TABLE 2. Two-year performance of early maturing non-Roundup Ready Flex cotton varieties on a Norwood silt loam 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
†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
<b>Mean</b>	<b>1284</b>	<b>38.2</b>	<b>4.3</b>	<b>1.13</b>	<b>29.8</b>	<b>83.0</b>	<b>54.09</b>	<b>695.55</b>
<b>LSD<sub>0.05</sub></b>	211	1.1	0.1	0.01	0.8	0.6	0.5	118.1
<b>CV (%)</b>	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

**TABLE 3. Two-year performance of early maturing Roundup Ready Flex cotton varieties on a 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
<b>Mean</b>	<b>1335</b>	<b>36.7</b>	<b>4.1</b>	<b>1.12</b>	<b>28.8</b>	<b>83.0</b>	<b>54.0</b>	<b>726.92</b>
<b>LSD<sub>0.05</sub></b>	324	1.7	0.1	0.01	0.7	0.5	0.5	124.9
<b>CV (%)</b>	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.

**TABLE 4. One-year performance of early maturing cotton varieties on a 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
<b>Mean</b>	<b>1371</b>	<b>37.3</b>	<b>4.3</b>	<b>1.13</b>	<b>29.1</b>	<b>83.0</b>	<b>54.10</b>	<b>742.76</b>
<b>LSD<sub>0.05</sub></b>	494	2.0	0.3	0.02	1.0	1.0	0.7	285.6
<b>CV (%)</b>	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.

## ALEXANDRIA SILT LOAM MEDIUM

**TABLE 5. Three-year performance of medium maturing cotton varieties on a Norwood silt loam 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
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
<b>Mean</b>	<b>1295</b>	<b>39.0</b>	<b>4.5</b>	<b>1.15</b>	<b>30.8</b>	<b>83.4</b>	<b>54.29</b>	<b>702.41</b>
<b>LSD<sub>0.05</sub></b>	135	1.0	0.1	0.01	0.8	0.4	0.3	68.9
<b>CV (%)</b>	12.2	3.3	3.8	1.7	3.7	0.8	0.9	12.4

\*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 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	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
<b>Mean</b>	<b>1318</b>	<b>39.6</b>	<b>4.4</b>	<b>1.15</b>	<b>29.9</b>	<b>83.1</b>	<b>54.22</b>	<b>714.12</b>
<b>LSD<sub>0.05</sub></b>	155	0.9	0.1	0.01	0.8	0.5	0.5	85.9
<b>CV (%)</b>	12.5	2.5	4.2	1.4	3.1	0.7	1.0	12.6

\*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 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
<b>Mean</b>	<b>1396</b>	<b>38.8</b>	<b>4.4</b>	<b>1.14</b>	<b>28.7</b>	<b>83.0</b>	<b>54.09</b>	<b>754.91</b>
<b>LSD<sub>0.05</sub></b>	172	1.3	0.1	0.01	0.7	0.4	0.4	95.1
<b>CV (%)</b>	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.

**TABLE 8. One-year performance of medium maturing cotton varieties on a 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
†OA 265BR	784	35.0	4.0	1.14	34.3	83.4	55.03	431.20
<b>Mean</b>	<b>1322</b>	<b>38.9</b>	<b>4.4</b>	<b>1.14</b>	<b>29.6</b>	<b>83.1</b>	<b>54.17</b>	<b>715.65</b>
<b>LSD<sub>0.05</sub></b>	203	1.4	0.2	0.01	1.1	0.8	0.7	111.4
<b>CV (%)</b>	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.

## ALEXANDRIA CLAY EARLY

**TABLE 9. Three-year performance of early maturing cotton varieties on a 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
<b>Mean</b>	<b>1236</b>	<b>39.3</b>	<b>4.6</b>	<b>1.15</b>	<b>31.5</b>	<b>83.8</b>	<b>54.45</b>	<b>673.70</b>
<b>LSD<sub>0.05</sub></b>	184	1.1	0.1	0.01	0.6	0.4	0.3	99.4
<b>CV (%)</b>	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.

**TABLE 10. Two-year performance of early maturing cotton varieties on a 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
<b>Mean</b>	<b>1309</b>	<b>39.5</b>	<b>4.5</b>	<b>1.14</b>	<b>30.3</b>	<b>83.5</b>	<b>54.25</b>	<b>711.57</b>
<b>LSD<sub>0.05</sub></b>	122	0.8	0.1	0.01	0.7	0.6	0.4	63.1
<b>CV (%)</b>	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

**TABLE 11. One-year performance of early maturing cotton varieties on a 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
<b>Mean</b>	<b>1413</b>	<b>38.1</b>	<b>4.5</b>	<b>1.14</b>	<b>30.8</b>	<b>83.6</b>	<b>54.42</b>	<b>768.83</b>
<b>LSD<sub>0.05</sub></b>	156	1.5	0.1	0.02	1.4	0.9	0.8	85.0
<b>CV (%)</b>	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.

## ALEXANDRIA CLAY MEDIUM

**TABLE 12. 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
<b>Mean</b>	<b>1083</b>	<b>37.7</b>	<b>4.2</b>	<b>1.16</b>	<b>30.9</b>	<b>83.3</b>	<b>54.51</b>	<b>589.65</b>
<b>LSD<sub>0.05</sub></b>	130	0.8	0.1	0.01	0.7	0.4	0.4	74.1
<b>CV (%)</b>	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.

**TABLE 13. 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
<b>Mean</b>	<b>1247</b>	<b>39.2</b>	<b>4.2</b>	<b>1.16</b>	<b>29.8</b>	<b>83.0</b>	<b>54.40</b>	<b>677.83</b>
<b>LSD<sub>0.05</sub></b>	114	1.1	0.1	0.01	0.8	0.6	0.5	65.2
<b>CV (%)</b>	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.

**TABLE 14. 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
†OA 265BR	994	34.0	4.0	1.16	34.8	83.8	55.08	547.25
<b>Mean</b>	<b>1498</b>	<b>38.4</b>	<b>4.4</b>	<b>1.15</b>	<b>30.7</b>	<b>83.2</b>	<b>54.39</b>	<b>814.96</b>
<b>LSD<sub>0.05</sub></b>	131	1.6	0.1	0.02	1.1	0.8	0.8	73.6
<b>CV (%)</b>	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.