

Texas AgriLife Extension Service

Replicated Small Plot Dryland Cotton Variety Trial

Location: Hardeman County, TX

Row Spacing: 40-inches

Planting Date: May 24, 2010

Planting Rate: 26,000 seed/A

Variety	Mic	Length	Strength	Unif	Lint Turnout	Lint Yield	Seed Yield	Loan Value	Total Value
		inches	g/Tex		-----(%)-----		lb/A	¢/lb	\$/A
Deltapine 0935 B2RF	4.9	1.08	29.8	81.1	27.9	793	1223	0.5443	518.48
Deltapine 1133 B2RF	5.1	1.09	30.3	81.6	27.6	806	1257	0.5263	512.10
Deltapine 1044 B2RF	4.9	1.09	30.1	81.8	27.9	740	1176	0.5552	493.09
Deltapine 1048 B2RF	4.8	1.09	28.4	81.5	26.6	724	1160	0.5443	473.78
Phytogen 367 WRF	4.8	1.08	28.7	81.4	25.5	691	1135	0.5465	456.93
Fibermax 1740 B2RF	5.0	1.09	29.0	81.5	28.3	687	1072	0.5365	442.63
Phytogen 565 WRF	4.6	1.09	28.2	81.7	25.8	660	1084	0.5505	437.83
Phytogen 569 WRF	5.0	1.08	29.7	81.8	27.7	674	1104	0.5367	437.34
Phytogen 375 WRF	4.9	1.07	28.8	81.8	27.7	673	1060	0.5375	436.52
DPX 10R052 B2R2	4.9	1.08	28.6	82.0	28.3	673	1075	0.5323	434.07
All-Tex Epic RF	5.0	1.10	30.2	82.7	28.5	668	1017	0.5390	432.31
DPX 09R348 B2R2	4.6	1.07	28.8	81.3	26.7	654	1117	0.5358	428.68
Deltapine 0924 B2RF	4.9	1.06	28.8	81.6	27.8	672	1065	0.5243	426.36
Deltapine 0912 B2RF	4.9	1.10	29.1	83.0	25.8	613	982	0.5427	398.71
Deltapine 1137 B2RF	4.9	1.08	28.8	82.3	26.8	618	1004	0.5260	391.45
All-Tex 81158 RF	4.5	1.09	28.3	81.2	26.2	594	985	0.5438	389.81
Deltapine 1034 B2RF	4.7	1.12	29.1	82.0	24.4	571	969	0.5635	388.97
Deltapine 1032 B2RF	4.9	1.08	28.6	81.7	27.3	570	915	0.5385	368.91
LSD (P=.10)	0.3	NS	NS	NS	NS	NS	NS	NS	NS
Standard Deviation	0.2	0.03	1.3	1.0	2.0	129	196	0.0233	78.07
CV	4.3	3.0	4.4	1.3	7.5	19.2	18.2	4.3	17.9
Test Mean	4.8	1.1	29.1	81.8	27.0	671.2	1077.7	0.5	437.1

Means not separated by more than the LSD are not significantly different.

NS = not significant

Texas AgriLife Extension Service

Replicated Small Plot Irrigated Cotton Variety Trial

Location: Hardeman County, TX

Row Spacing: 40-inches

Planting Date: May 24, 2010

Planting Rate: 39,000 seed/A

Variety	Mic	Length	Strength	Unif	Lint Turnout	Lint Yield	Seed Yield	Loan Value	Total Value
	inches		g/Tex	-----(%)-----		lb/A		¢/lb	\$/A
Deltapine 0935 B2RF	4.4	1.10	29.8	81.6	29.3	1322	1916	0.5572	870.56
Phytogen 565 WRF	4.5	1.10	30.3	81.9	27.7	1283	2162	0.5565	865.19
Phytogen 569 WRF	4.5	1.09	28.4	81.8	28.4	1289	2111	0.5557	863.46
All-Tex Epic RF	4.6	1.10	30.3	82.8	28.4	1218	1937	0.5587	815.76
Phytogen 367 WRF	4.5	1.11	30.1	82.5	26.6	1194	2009	0.5617	811.06
DPX 09R348 B2R2	4.3	1.13	30.2	82.8	26.8	1166	1908	0.5643	790.50
Deltapine 1133 B2RF	4.8	1.13	30.7	83.0	26.9	1165	1791	0.5642	782.54
Deltapine 1044 B2RF	4.7	1.10	28.7	81.4	27.6	1161	1867	0.5608	781.41
Deltapine 1048 B2RF	4.7	1.11	29.4	82.4	27.3	1137	1876	0.5573	765.50
Phytogen 375 WRF	4.6	1.09	29.8	81.4	27.2	1134	1915	0.5530	761.87
All-Tex 81158 RF	4.6	1.13	29.5	82.7	27.1	1086	1890	0.5632	743.82
Fibermax 1740 B2RF	4.7	1.11	29.5	82.6	27.4	1083	1835	0.5615	736.62
Deltapine 1034 B2RF	4.6	1.12	29.5	82.0	26.8	1072	1743	0.5642	726.70
Deltapine 0912 B2RF	4.8	1.08	29.4	81.9	26.5	1097	1900	0.5338	718.67
Deltapine 1032 B2RF	4.6	1.12	29.6	82.6	28.0	1067	1584	0.5622	710.67
Deltapine 1137 B2RF	4.6	1.13	29.4	82.7	28.1	1050	1623	0.5678	709.63
DPX 10R052 B2R2	4.4	1.11	29.6	82.6	26.7	1032	1648	0.5605	692.67
Deltapine 0924 B2RF	4.7	1.09	29.4	82.1	26.0	912	1589	0.5518	613.94
LSD (P=.10)	NS	0.03	NS	NS	NS	NS	NS	0.0113	124.48
Standard Deviation	0.3	0.02	1.2	0.9	1.5	139	235	0.0082	89.84
CV	5.7	2.0	4.2	1.1	5.4	12.2	12.7	1.5	11.8
Test Mean	4.6	1.11	29.7	82.3	27.4	1137	1850	0.5586	764.48

Means not separated by more than the LSD are not significantly different.

NS = not significant

Texas AgriLife Extension Service

Collingsworth County Irrigated Cotton Variety Trial

Cooperator: Robert Watts

Row Spacing: 36-inches

Planting Date: May 12, 2010

Planting Rate: 50,000 seed/A

Variety	Mic	Length	Strength	Unif	Lint Turnout	Lint Yield	Loan Value	Lint Value
		inches	g/Tex		-----(%)----	lb/A	¢/lb	\$/A
Fibermax 1740 B2F	4.3	1.12	30.5	81.9	36.3	1927	0.5630	1085.13
Deltapine 0912 B2RF	5.0	1.15	29.5	83.6	37.7	1949	0.5557	1083.60
Deltapine 1032 B2RF	4.3	1.19	30.8	82.6	37.6	1852	0.5635	1043.75
Phytogen 375 WRF	4.3	1.17	29.8	82.8	37.5	1830	0.5635	1031.24
Fibermax 9170 B2F	4.1	1.16	30.8	82.0	35.9	1786	0.5637	1006.86
Deltapine 1044 B2RF	4.5	1.16	29.1	82.8	38.7	1741	0.5630	980.37
Stoneville 5458 B2RF	3.7	1.12	29.8	81.4	34.0	1735	0.5630	976.65
Deltapine 1028 B2RF	4.3	1.19	30.7	83.1	36.4	1699	0.5635	957.25
Dynagro 2570 B2RF	4.4	1.11	30.3	82.9	31.8	1571	0.5620	882.90
Deltapine 1034 B2RF	4.2	1.16	29.9	82.6	35.8	1494	0.5640	842.37
LSD (P=.10)	0.3	0.02	NS	NS	0.8	127	NS	73.67
Standard Deviation	0.2	0.01	0.7	1.0	0.6	90	0.0041	52.03
CV	4.2	1.1	2.5	1.2	1.7	5.1	0.7	5.3
Test Mean	4.3	1.15	30.1	82.6	36.2	1758	0.5625	989.01

Means not separated by more than the LSD are not significantly different.

NS = not significant

Loan Values based on average color grade = 21 and leaf grade = 1

Texas AgriLife Extension Service

Collingsworth County Dryland Cotton Variety Trial

Cooperator: Jason Wischkaemper

Row Spacing: 36-inches

Planting Date: May 27, 2010

Planting Rate: 36,000 seed/A

Variety	Mic	Length	Strength	Unif	Lint Turnout	Lint Yield	Loan Value	Lint Value
		inches	g/Tex		-----(%)----	lb/A	¢/lb	\$/A
Deltapine 1044 B2RF	5.1	1.05	28.0	79.5	44.0	468	0.5002	234.53
Deltapine 0935 B2RF	5.0	1.06	29.0	80.9	40.2	452	0.5140	232.04
Nexgen 1572 RF	4.3	1.04	26.8	79.1	38.8	427	0.5075	216.43
Deltapine 0924 B2RF	5.1	1.05	28.5	80.6	39.0	422	0.4910	207.17
Fibermax 9170 B2F	4.5	1.12	30.2	81.2	37.5	385	0.5382	206.96
Stoneville 4288 B2RF	4.9	1.08	28.3	80.5	37.3	368	0.5307	195.46
Nexgen 2549 B2RF	4.9	1.05	29.5	82.3	38.3	408	0.4705	191.96
Dynagro 2570 B2RF	5.0	1.07	29.2	82.2	31.6	343	0.4905	185.88
Americot 1532 B2RF	4.7	1.10	28.1	81.7	34.6	352	0.5177	182.30
Dynagro 2570 B2RF	5.1	1.06	28.3	81.1	32.4	379	0.4832	165.54
LSD (P=.10)	0.4	0.04	1.5	1.8	1.2	20	0.0263	11.65
Standard Deviation	0.3	0.03	1.0	1.3	0.9	14	0.0186	8.23
CV	5.5	2.5	3.6	1.6	2.3	3.5	3.7	4.1
Test Mean	4.8	1.07	28.6	80.9	37.4	400	0.5044	201.83

Means not separated by more than the LSD are not significantly different.

NS = not significant

Texas AgriLife Extension Service

Fisher County Irrigated Cotton Trial

Cooperator: Posey Farms - Rotan, TX

Row Spacing: 30-inches

Planting Date: May 12, 2010

Variety	Mic	Length	Strength	Unif	Lint Turnout	Lint Yield	Seed Yield	Loan Value	Total Value
		inches	g/Tex		-----(%)-----	lb/A		¢/lb	\$/A
Phytogen 375 WRF	4.5	1.09	28.0	81.3	33.8	2073	3018	0.5398	1330.40
Fibermax 9170 B2F	4.2	1.17	30.5	81.1	33.1	1952	3067	0.5590	1305.23
Fibermax 1740 B2F	4.7	1.12	29.1	81.6	34.4	1919	2847	0.5590	1271.73
Deltapine 1032 B2RF	4.5	1.14	29.2	80.9	35.5	1904	2736	0.5663	1269.46
Dynagro 2570 B2RF	4.7	1.11	28.7	81.3	35.0	1880	2806	0.5615	1251.96
Nexgen 4010 B2RF	4.4	1.14	31.5	82.5	31.3	1868	3129	0.5463	1239.46
Phytogen 367 WRF	4.2	1.12	29.1	82.0	31.3	1942	3084	0.5260	1236.30
Deltapine 0912 B2RF	5.0	1.08	28.2	81.4	35.8	1869	2845	0.5365	1201.51
Fibermax 9160 B2RF	4.0	1.16	29.7	82.3	31.6	1747	2759	0.5528	1157.49
Nexgen 3348 B2RF	4.1	1.14	29.1	82.6	30.7	1690	2840	0.5375	1107.35
LSD (P=.10)	0.3	0.04	1.4	NS	1.5	NS	NS	0.0185	NS
Standard Deviation	0.2	0.02	0.7	0.9	0.8	115	179	0.0101	66.40
CV	4.2	1.7	2.6	1.1	2.5	6.1	6.1	1.8	5.4
Test Mean	4.4	1.12	29.3	81.7	33.2	1884	2913	0.5485	1237.09

Means not separated by more than the LSD are not significantly different.

NS = not significant

Texas AgriLife Extension Service

Fisher County Dryland Cotton Trial

Cooperator: Posey Farms - Rotan, TX

Row Spacing: 30-inches

Planting Date: May 14, 2010

Variety	Mic	Length	Strength	Unif	Lint Turnout	Lint Yield	Seed Yield	Loan Value	Total Value
		inches	g/Tex		-----(%)-----	lb/A		¢/lb	\$/A
Deltapine 0924 B2RF	4.8	1.04	80.6	27.1	32.8	772	1178	0.4943	462.79
Phytogen 375 WRF	4.3	1.04	79.4	25.7	32.0	659	959	0.5179	405.53
Fibermax 1740 B2F	4.3	1.04	79.3	26.8	36.5	644	953	0.5233	402.90
Deltapine 1044 B2RF	4.4	1.06	79.8	27.5	31.1	613	946	0.5340	392.68
Phytogen 367 WRF	4.1	1.04	79.7	25.9	32.7	564	862	0.5120	350.08
Fibermax 9160 B2F	3.9	1.11	81.0	28.0	31.2	513	840	0.5503	340.99
Dynagro 2570 B2RF	4.6	1.05	80.5	27.4	34.2	539	792	0.5231	337.80
Fibermax 9170 B2RF	4.2	1.08	79.0	28.1	31.7	512	781	0.5369	329.87
Nexgen 4010 B2RF	4.0	1.11	81.2	31.4	28.1	443	790	0.5490	299.03
Nexgen 3348 B2RF	4.0	1.04	79.8	28.0	30.5	455	755	0.5006	279.68
LSD (P=.10)	0.3	0.02	1.0	1.4	3.4	NS	NS	0.0146	NS
Standard Deviation	0.2	0.02	0.8	1.1	2.8	181	260	0.0122	109.85
CV	5.6	1.9	1.0	4.1	8.9	31.7	29.4	2.3	30.5
Test Mean	4.2	1.06	80.0	27.6	32.1	571	886	0.5241	360.14

Means not separated by more than the LSD are not significantly different.

NS = not significant

Texas AgriLife Extension Service

Kent County Dryland Cotton Variety Trial

Cooperator: Jayton, TX

Row Spacing: 40-inches

Variety	Mic	Length	Strength	Unif	Lint Turnout	Lint Yield	Seed Yield	Loan Value	Total Value
		inches	g/Tex		-----(%)-----		lb/A	¢/lb	\$/A
Nexgen 3310 RF	3.8	1.14	32.0	81.9	26.8	565	935	0.5552	375.97
Phytogen 367 WRF	4.4	1.11	31.3	81.6	27.9	555	827	0.5668	373.81
Fibermax 1740 B2F	4.2	1.08	30.1	80.9	29.8	526	744	0.5560	343.77
Nexgen 3348 B2RF	4.2	1.12	30.7	82.0	26.6	477	790	0.5667	325.55
All-Tex Apex B2RF	4.3	1.12	29.5	81.5	28.3	472	705	0.5705	318.69
Fibermax 9160 B2F	4.0	1.12	31.0	82.1	28.4	414	624	0.5657	278.05
All-Tex Epic RF	4.2	1.08	29.5	80.5	29.1	424	620	0.5525	277.40
Phytogen 375 WRF	4.4	1.09	29.2	81.4	28.2	360	508	0.5507	233.81
LSD (P=.10)	0.3	0.03	1.6	NS	1.8	NS	NS	NS	NS
Standard Deviation	0.2	0.02	1.1	0.9	1.3	183	295	0.0127	121.03
CV	5.6	2.1	3.7	1.1	4.5	38.7	41.0	2.3	38.3
Test Mean	4.2	1.11	30.4	81.5	28.1	474	719	0.5605	315.88

Means not separated by more than the LSD are not significantly different.

NS = not significant