

# **Tennessee Cotton Variety Test Results in 2005 (*Preliminary Data*)**

**Edited by  
C. Craig, C.O. Gwathmey and F.L. Allen**

Department of Plant Sciences  
UT Extension  
Agricultural Experiment Station  
The University of Tennessee  
Knoxville, Tennessee

Table 1. **Preliminary** gin turnout and lint yield of 30 cotton varieties in the 2005 Tennessee Official Cotton Variety Trial, Agricenter International, Memphis, TN.

Yield Rank	Company	Variety	Gin Turnout %	Lint Yield lb./a	Mike units	Fiber Length in.	Fiber Strength g/tex	Uni-formity %	HVI Color	Leaf Grade
1	PhytoGen	PHY 310 R	38.4	1514	36	1.11	31.2	82.5	41-1	4
2	PhytoGen	PHY 370 WR	37.3	1462	37	1.11	30.7	82.0	31-1	5
3	Stoneville	ST 5242BR	36.3	1438	35	1.08	32.2	80.5	31-1	4
4	Stoneville	ST 4892BR	37.0	1416	38	1.10	32.1	82.3	41-1	5
5	Stoneville	ST 5599BR	37.7	1411	37	1.11	31.8	80.6	41-1	4
6	Delta and Pine Land	DP 393	37.2	1403	40	1.17	33.1	82.4	31-1	4
7	Delta and Pine Land	DP 444 BG/RR	38.3	1382	32	1.10	29.0	80.7	31-2	4
8	Stoneville	ST 4575BR	37.9	1365	37	1.11	32.0	83.0	31-2	4
9	Delta and Pine Land	DP 432 RR	36.9	1348	36	1.14	31.8	83.6	41-1	5
10	Delta and Pine Land	DP 445 BG/RR	37.8	1340	36	1.14	34.1	82.1	31-2	4
11	Stoneville	ST 4686R	38.6	1294	35	1.11	31.3	81.6	31-2	4
12	Delta and Pine Land	DP 455 BG/RR	38.8	1279	34	1.13	31.5	80.3	31-1	4
13	FiberMax	FM 960BR	37.5	1251	31	1.09	34.1	82.5	31-1	4
14	PhytoGen	PHY 470 WR	35.7	1243	38	1.12	31.3	82.2	41-1	5
15	Delta and Pine Land	PM 1218 BG/RR	35.2	1236	34	1.07	30.3	81.5	31-1	4
16	PhytoGen	PHY 410 R	35.7	1234	38	1.09	31.1	82.4	41-1	4
17	Delta and Pine Land	DP 555 BG/RR	36.4	1232	37	1.16	33.0	81.5	31-2	4
18	Delta and Pine Land	DP 451 B/RR	33.8	1230	34	1.12	29.2	81.5	31-1	4
19	FiberMax	FM 960B2R	35.4	1226	35	1.15	33.9	81.2	31-1	4
20	FiberMax	FM 966LL	35.2	1215	36	1.10	35.6	81.8	41-1	4
21	Delta and Pine Land	DP 449 BG/RR	35.8	1203	37	1.13	35.6	82.5	31-1	4
22	Delta and Pine Land	DP 434 RR	36.7	1196	31	1.17	29.6	81.2	31-1	4
23	Delta and Pine Land	DP 424 BGII/RR	33.9	1186	34	1.10	27.9	82.1	31-2	4
24	PhytoGen	PHY 480 WR	34.6	1180	35	1.13	31.4	83.4	41-1	4
25	Delta and Pine Land	DP 488 BG/RR	35.5	1178	36	1.17	33.6	81.0	41-1	4
26	Delta and Pine Land	DP 494 RR	37.7	1170	39	1.16	33.9	82.4	41-1	5
27	FiberMax	FM 960RR	36.4	1166	32	1.14	34.6	80.9	31-2	4
28	Delta and Pine Land	DP 454 BG/RR	33.8	1133	33	1.11	29.5	81.6	41-1	5
29	FiberMax	FM 958LL	35.3	1118	32	1.16	35.1	81.0	31-1	5
30	Delta and Pine Land	DP 543 BGII/RR	33.7	1112	38	1.12	31.1	80.2	31-1	3
Mean:			36.4	1272	35	1.12	32.1	81.8	31-2	4.2
CV (%)				7.8						
LSD (0.05)				139						

Tennessee Agricultural Experiment Station data of Craig et al. (2005)

Table 2. **Preliminary** gin turnout, lint yield and fiber quality of 30 cotton varieties in the 2005 Tennessee Official Cotton Variety Trial, Ames Plantation, Grand Junction, TN.

Yield Rank	Company	Variety	Gin Turnout	Lint Yield	Fiber Mike	Fiber Length	Fiber Strength	Uni-formity	HVI Color	Leaf Grade
			%	lb./a	units	in.	g/tex	%		
1	PhytoGen	PHY 370 WR	40.2	1474	42	1.07	29.1	81.3	31-4	4
2	PhytoGen	PHY 310 R	41.1	1417	37	1.10	31.2	81.0	31-2	4
3	Delta and Pine Land	DP 432 RR	37.7	1358	42	1.06	30.8	79.7	31-2	4
4	Stoneville	ST 5242BR	40.6	1311	40	1.13	32.8	82.1	31-2	4
5	Delta and Pine Land	DP 444 BG/RR	41.1	1285	34	1.11	29.8	80.5	31-2	4
6	Stoneville	ST 4575BR	40.0	1269	41	1.09	30.0	82.6	31-2	3
7	Stoneville	ST 4892BR	39.8	1261	39	1.06	30.1	80.1	31-2	4
8	Stoneville	ST 4686R	39.5	1239	40	1.09	33.8	82.0	31-2	4
9	Delta and Pine Land	DP 424 BGII/RR	36.1	1230	40	1.11	28.1	82.1	31-2	4
10	Delta and Pine Land	DP 555 BG/RR	36.8	1216	36	1.17	32.5	82.1	31-1	3
11	Stoneville	ST 5599BR	39.4	1214	40	1.07	30.7	80.3	31-2	4
12	Delta and Pine Land	DP 494 RR	39.0	1212	39	1.09	29.6	81.5	31-2	4
13	Delta and Pine Land	DP 449 BG/RR	38.2	1205	40	1.09	31.7	81.3	31-2	3
14	Delta and Pine Land	DP 451 B/RR	35.8	1183	37	1.11	27.6	80.7	31-2	4
15	FiberMax	FM 966LL	37.4	1166	38	1.07	29.4	81.7	31-2	4
16	PhytoGen	PHY 470 WR	39.3	1162	42	1.07	30.3	81.8	31-2	4
17	Delta and Pine Land	DP 445 BG/RR	39.7	1159	42	1.10	29.7	81.4	31-2	4
18	PhytoGen	PHY 410 R	38.1	1153	42	1.10	30.6	82.5	41-1	5
19	FiberMax	FM 960BR	37.9	1150	37	1.08	30.7	81.2	31-2	4
20	FiberMax	FM 958LL	37.1	1149	38	1.15	31.1	80.6	31-2	4
21	Delta and Pine Land	DP 455 BG/RR	41.6	1143	37	1.11	32.1	80.4	31-1	3
22	Delta and Pine Land	DP 454 BG/RR	40.5	1120	34	1.08	28.7	80.4	41-1	4
23	Delta and Pine Land	DP 393	38.8	1101	41	1.10	29.6	81.4	31-2	4
24	Delta and Pine Land	DP 434 RR	40.1	1097	36	1.08	30.9	79.5	31-1	4
25	Delta and Pine Land	PM 1218 BG/RR	39.4	1092	42	1.05	27.3	81.6	31-2	3
26	Delta and Pine Land	DP 543 BGII/RR	36.3	1062	41	1.09	30.2	82.2	31-2	3
27	Delta and Pine Land	DP 488 BG/RR	36.8	1059	36	1.15	31.0	80.1	41-1	4
28	FiberMax	FM 960RR	38.5	1033	33	1.09	31.3	81.1	31-1	4
29	PhytoGen	PHY 480 WR	37.7	1009	40	1.11	31.1	82.6	41-1	4
30	FiberMax	FM 960B2R	36.7	1002	38	1.14	33.0	79.7	31-2	3
Mean:			38.7	1184	39	1.10	30.5	81.2	31-2	3.8
CV (%)				9.7						
LSD (0.05)				161						

Tennessee Agricultural Experiment Station data of Craig et al. (2005)

Table 3. **Preliminary** gin turnout, lint yield and fiber quality of 30 cotton varieties in the 2005 Tennessee Official Cotton Variety Trial, Fullen Farms, Ashport, TN.

Yield Rank	Company	Variety	Gin Turnout	Lint Yield	Fiber Mike	Fiber Length	Fiber Strength	Uni-formity	HVI Color	HVI Leaf
			%	lb./a	units	in.	g/tex	%		
1	Delta and Pine Land	DP 494 RR	37.8	1526	47	1.12	31.2	81.5	41-1	3
2	Delta and Pine Land	DP 555 BG/RR	39.4	1477	46	1.11	30.9	81.3	41-1	4
3	Phytogen	PHY 370 WR	38.6	1455	45	1.06	29.3	82.0	41-1	3
4	Stoneville	ST 5599BR	37.1	1434	46	1.04	28.8	80.4	41-1	4
5	Delta and Pine Land	DP 455 BG/RR	39.3	1422	42	1.04	30.9	78.5	41-1	3
6	Delta and Pine Land	DP 488 BG/RR	35.9	1411	46	1.13	32.0	81.1	41-1	3
7	Stoneville	ST 4892BR	38.7	1403	48	1.06	29.8	81.1	41-1	3
8	Delta and Pine Land	DP 434 RR	38.7	1402	40	1.10	29.9	80.8	41-1	3
9	Delta and Pine Land	DP 393	37.5	1397	44	1.10	31.2	81.4	41-3	4
10	Phytogen	PHY 310 R	39.7	1391	45	1.05	29.3	81.6	41-1	3
11	Delta and Pine Land	DP 444 BG/RR	38.7	1371	41	1.08	28.7	81.6	41-1	3
12	Delta and Pine Land	DP 445 BG/RR	36.6	1328	42	1.09	29.7	80.7	41-1	4
13	Phytogen	PHY 410 R	35.1	1323	44	1.07	29.8	81.6	41-2	4
14	Delta and Pine Land	DP 451 B/RR	34.1	1323	46	1.10	27.4	80.4	41-1	3
15	Delta and Pine Land	DP 432 RR	37.2	1318	44	1.09	29.0	81.2	41-1	4
16	Delta and Pine Land	DP 449 BG/RR	36.8	1307	44	1.10	30.1	80.9	31-2	3
17	Stoneville	ST 5242BR	36.9	1301	45	1.06	28.4	81.3	31-2	3
18	Stoneville	ST 4575BR	38.6	1269	45	1.05	28.8	80.8	41-1	3
19	Delta and Pine Land	DP 454 BG/RR	39.1	1250	40	1.03	28.7	81.2	41-2	4
20	FiberMax	FM 966LL	35.4	1217	44	1.09	33.0	81.5	41-1	4
21	Delta and Pine Land	PM 1218 BG/RR	37.5	1216	50	1.02	27.5	81.8	41-1	3
22	Stoneville	ST 4686R	37.2	1198	46	1.06	28.7	79.5	41-1	4
23	Phytogen	PHY 470 WR	35.9	1188	46	1.07	30.4	81.5	41-1	4
24	Phytogen	PHY 480 WR	34.1	1184	45	1.09	30.5	82.4	41-4	4
25	FiberMax	FM 958LL	36.2	1164	47	1.12	33.7	81.5	41-1	3
26	Delta and Pine Land	DP 424 BGII/RR	34.9	1144	45	1.07	28.3	82.1	41-1	3
27	FiberMax	FM 960BR	37.1	1131	45	1.07	32.3	81.2	41-1	3
28	Delta and Pine Land	DP 543 BGII/RR	37.1	1119	46	1.07	30.1	79.7	41-1	3
29	FiberMax	FM 960RR	37.9	1109	45	1.08	33.0	80.5	41-1	4
30	FiberMax	FM 960B2R	35.8	1028	46	1.11	33.0	80.2	41-1	3
Mean:			37.2	1294	45	1.08	30.1	81.0	41-1	3.4
CV (%)				12.5						
LSD (0.05)				264						

Tennessee Agricultural Experiment Station data of Craig et al. (2005)

Table 4. **Preliminary** gin turnout, lint yield and fiber quality of 30 cotton varieties in the 2005 Tennessee Official Cotton Variety Trial, Milan Research and Education Center, Milan, TN.

Yield Rank	Company	Variety	Gin Turnout	Lint Yield	Fiber Mike	Fiber Length	Fiber Strength	Uni-formity	HVI Color	Leaf
			%	lb./a	units	in.	g/tex	%		
1	Stonveville	ST 5599BR	39.0	1332	49	1.03	31.2	82.5	31-3	4
2	Delta and Pine Land	DP 444 BG/RR	39.1	1281	44	1.07	29.1	81.5	31-2	4
3	Stonveville	ST 4575BR	39.2	1261	52	1.04	28.7	81.5	31-3	3
4	Stonveville	ST 4686R	40.6	1249	49	1.01	30.0	82.1	31-3	4
5	Delta and Pine Land	DP 455 BG/RR	41.0	1238	48	1.08	30.0	81.9	32-1	3
6	Delta and Pine Land	DP 445 BG/RR	39.7	1234	49	1.08	30.8	83.1	31-1	3
7	PhytoGen	PHY 310 R	39.5	1205	51	1.03	31.7	81.8	31-1	3
8	FiberMax	FM 960BR	36.7	1175	50	1.06	34.2	82.4	31-3	4
9	Delta and Pine Land	DP 454 BG/RR	38.7	1168	46	1.02	28.4	81.4	31-2	5
10	Delta and Pine Land	DP 434 RR	41.3	1162	50	1.11	30.1	82.4	31-1	3
11	Stonveville	ST 5242BR	37.9	1161	50	1.06	27.6	81.9	31-1	3
12	FiberMax	FM 958LL	38.1	1161	49	1.15	35.4	81.7	31-2	4
13	Delta and Pine Land	DP 451 B/RR	34.9	1160	50	1.10	30.2	82.7	21-2	3
14	Delta and Pine Land	DP 393	38.8	1134	50	1.12	31.7	82.5	41-3	4
15	PhytoGen	PHY 470 WR	37.7	1130	49	1.04	29.8	83.0	41-1	5
16	PhytoGen	PHY 370 WR	39.3	1126	53	1.06	31.1	83.2	31-2	4
17	Stonveville	ST 4892BR	40.0	1122	55	1.06	30.1	82.9	22-2	4
18	Delta and Pine Land	DP 449 BG/RR	37.7	1115	51	1.08	32.0	82.4	31-4	3
19	Delta and Pine Land	PM 1218 BG/RR	39.2	1111	54	1.02	30.4	80.6	22-2	3
20	Delta and Pine Land	DP 494 RR	39.4	1097	50	1.09	31.1	81.4	31-2	3
21	FiberMax	FM 960RR	38.1	1093	47	1.09	34.4	81.8	31-2	4
22	FiberMax	FM 966LL	37.4	1058	46	1.08	33.7	81.2	21-2	4
23	FiberMax	FM 960B2R	37.4	1044	53	1.09	33.0	81.0	31-1	4
24	Delta and Pine Land	DP 488 BG/RR	37.3	1016	49	1.11	33.2	81.4	31-3	4
25	PhytoGen	PHY 410 R	37.7	1015	49	1.06	30.7	82.1	31-4	4
26	PhytoGen	PHY 480 WR	35.8	1015	50	1.11	31.5	82.8	31-2	5
27	Delta and Pine Land	DP 555 BG/RR	37.8	1007	49	1.10	30.8	82.2	31-2	4
28	Delta and Pine Land	DP 432 RR	37.0	998	50	1.06	28.9	83.3	31-4	4
29	Delta and Pine Land	DP 424 BGII/RR	34.2	993	49	1.08	28.9	83.0	21-2	3
30	Delta and Pine Land	DP 543 BGII/RR	35.6	952	52	1.12	31.7	81.9	31-1	3
		Mean:	38.2	1127	50	1.07	31.0	82.1	31-3	3.7
		CV (%)		11.9						
		LSD (0.05)		188						

Tennessee Agricultural Experiment Station data of Craig et al. (2005)

Table 5. **Preliminary** gin turnout, lint yield and fiber quality of 30 cotton varieties in the 2005 Tennessee Official Cotton Variety Trial, West Tennessee Research and Education Center, Jackson, TN.

Yield Rank	Company	Variety	Gin Turnout	Lint Yield	Mike	Fiber Length	Fiber Strength	Uni-formity	HVI Color	Leaf
			%	lb./a	units	in.	g/tex	%		
1	Stoneville	ST 4892BR	40.1	1594	42	1.07	29.5	81.9	31-2	4
2	PhytoGen	PHY 370 WR	39.1	1563	42	1.06	30.6	81.9	41-1	4
3	Stoneville	ST 5242BR	39.3	1539	39	1.05	27.6	80.7	31-1	4
4	PhytoGen	PHY 310 R	39.5	1517	40	1.08	30.2	81.1	31-2	4
5	Stoneville	ST 5599BR	39.4	1476	38	1.09	30.1	80.7	31-2	4
6	Delta and Pine Land	DP 455 BG/RR	42.4	1467	38	1.10	31.0	79.9	31-3	4
7	Delta and Pine Land	DP 444 BG/RR	39.5	1462	36	1.06	34.2	81.0	31-2	4
8	Delta and Pine Land	DP 451 B/RR	36.2	1415	41	1.12	29.2	82.0	31-2	4
9	Stoneville	ST 4575BR	38.7	1407	42	1.06	29.2	81.2	41-1	4
10	Delta and Pine Land	DP 432 RR	38.0	1395	39	1.08	29.2	82.2	31-2	4
11	Delta and Pine Land	DP 393	38.0	1380	42	1.11	30.7	81.4	31-2	4
12	Stoneville	ST 4686R	39.3	1377	46	1.08	29.0	82.8	41-1	4
13	Delta and Pine Land	PM 1218 BG/RR	38.3	1369	42	1.05	29.8	80.8	31-2	3
14	PhytoGen	PHY 410 R	37.2	1348	40	1.08	28.0	80.8	41-1	5
15	Delta and Pine Land	DP 449 BG/RR	36.6	1348	40	1.09	31.9	81.3	31-1	3
16	Delta and Pine Land	DP 555 BG/RR	38.0	1341	39	1.12	32.1	79.4	31-2	4
17	PhytoGen	PHY 470 WR	36.9	1338	42	1.08	29.6	81.1	41-1	4
18	PhytoGen	PHY 480 WR	36.2	1324	39	1.12	29.1	82.8	41-1	4
19	FiberMax	FM 960RR	40.4	1310	37	1.10	33.4	80.8	31-1	4
20	Delta and Pine Land	DP 494 RR	37.6	1307	41	1.12	32.8	81.0	31-2	4
21	Delta and Pine Land	DP 445 BG/RR	38.9	1301	39	1.12	30.0	80.8	31-2	4
22	Delta and Pine Land	DP 434 RR	39.7	1283	38	1.13	28.0	80.9	31-2	3
23	FiberMax	FM 960BR	36.0	1264	37	1.05	29.2	77.6	31-2	4
24	Delta and Pine Land	DP 454 BG/RR	39.9	1262	35	1.06	29.6	80.1	41-1	4
25	Delta and Pine Land	DP 488 BG/RR	37.6	1260	37	1.05	32.1	80.0	31-2	4
26	Delta and Pine Land	DP 424 BGII/RR	35.5	1250	41	1.07	27.5	81.3	31-2	3
27	FiberMax	FM 960B2R	37.2	1243	38	1.10	33.1	79.6	31-2	4
28	FiberMax	FM 966LL	36.4	1217	38	1.08	33.4	80.6	31-2	3
29	FiberMax	FM 958LL	36.8	1160	37	1.06	30.0	80.8	31-2	4
30	Delta and Pine Land	DP 543 BGII/RR	35.6	1150	40	1.06	29.6	80.4	31-2	3
Mean:			38.1	1356	40	1.08	30.3	80.9	31-2	3.8
CV (%)				8.6						
LSD (0.05)				164						

Tennessee Agricultural Experiment Station data of Craig et al. (2005)

Table 6. **Preliminary** gin turnout, lint yield and fiber quality of 30 cotton varieties in the 2005 Tennessee Official Cotton Variety Trial, 5 Location Average.

Yield Rank	Company	Variety	Gin Turnout	Lint Yield	Mike	Fiber Length	Fiber Strength	Uni-formity	HVI Color	Leaf Grade
			%	lb./a	units	in.	g/tex	%		
1	PhytoGen	PHY 370 WR	38.9	1416	44	1.07	30.2	82.1	31-2	4.0
2	PhytoGen	PHY 310 R	39.6	1409	42	1.07	30.7	81.6	41-1	3.6
3	Stoneville	ST 5599BR	38.5	1373	42	1.07	30.5	80.9	31-2	4.0
4	Stoneville	ST 4892BR	39.1	1359	44	1.07	30.3	81.7	31-2	4.0
5	Delta and Pine Land	DP 444 BG/RR	39.3	1356	37	1.08	30.2	81.1	31-2	3.8
6	Stoneville	ST 5242BR	38.2	1350	42	1.08	29.7	81.3	31-2	3.6
7	Stoneville	ST 4575BR	38.9	1314	43	1.07	29.7	81.8	31-2	3.4
8	Delta and Pine Land	DP 455 BG/RR	40.6	1310	40	1.09	31.1	80.2	31-3	3.4
9	Delta and Pine Land	DP 432 RR	37.4	1284	42	1.09	29.9	82.0	41-1	4.2
10	Delta and Pine Land	DP 393	38.1	1283	43	1.12	31.3	81.8	41-1	4.0
11	Delta and Pine Land	DP 445 BG/RR	38.6	1272	42	1.11	30.9	81.6	31-2	3.8
12	Stoneville	ST 4686R	39.1	1271	43	1.07	30.6	81.6	31-2	4.0
13	Delta and Pine Land	DP 494 RR	38.3	1262	43	1.12	31.7	81.6	41-1	3.8
14	Delta and Pine Land	DP 451 B/RR	34.9	1262	42	1.11	28.7	81.5	31-2	3.6
15	Delta and Pine Land	DP 555 BG/RR	37.7	1255	41	1.13	31.9	81.3	31-2	3.8
16	Delta and Pine Land	DP 449 BG/RR	37.0	1236	42	1.10	32.3	81.7	31-2	3.2
17	Delta and Pine Land	DP 434 RR	39.3	1228	39	1.12	29.7	81.0	31-2	3.4
18	PhytoGen	PHY 410 R	36.7	1215	43	1.08	30.0	81.9	41-1	4.4
19	PhytoGen	PHY 470 WR	37.1	1212	43	1.08	30.3	81.9	31-2	4.4
20	Delta and Pine Land	PM 1218 BG/RR	37.9	1205	44	1.04	29.1	81.3	31-2	3.2
21	FiberMax	FM 960BR	37.0	1194	40	1.07	32.1	81.0	31-2	3.8
22	Delta and Pine Land	DP 454 BG/RR	38.4	1187	38	1.06	29.0	80.9	41-1	4.4
23	Delta and Pine Land	DP 488 BG/RR	36.6	1185	41	1.12	32.4	80.7	41-1	3.8
24	FiberMax	FM 966LL	36.3	1175	40	1.08	33.0	81.4	31-2	3.8
25	Delta and Pine Land	DP 424 BII/RR	34.9	1161	42	1.09	28.1	82.1	31-2	3.4
26	FiberMax	FM 958LL	36.7	1150	41	1.13	33.1	81.1	31-2	4.0
27	FiberMax	FM 960RR	38.3	1142	39	1.10	33.3	81.0	31-2	4.0
28	PhytoGen	PHY 480 WR	35.7	1123	42	1.11	30.7	82.8	41-1	4.2
29	FiberMax	FM 960B2R	36.5	1108	42	1.12	33.2	80.3	31-2	3.6
30	Delta and Pine Land	DP 543 BII/RR	35.7	1079	43	1.09	30.5	80.9	31-2	3.0
Mean:			37.7	1246	42	1.09	30.8	81.4	31-2	3.8
CV (%)			2.3	6.3	4.0	1.8	4.2	0.9		11.0
LSD (0.05)			1.1	98	2.0	0.02	1.6	0.9		0.5

Tennessee Agricultural Experiment Station data of Craig et al. (2005)

Table 7. **Preliminary** gin turnout, lint yield and fiber quality of 40 cotton varieties in the 2005 Tennessee Official Roundup Ready Flex Variety Trial, Agricenter International, Memphis, TN.

Yield Rank	Company	Variety	Gin Turnout %	Lint Yield lb./a	Mike units	Fiber Length in.	Fiber Strength g/tex	Uni-formity %	HVI Color	Leaf Grade
1	Delta and Pine Land	DP 432 RR	37.1	1515	33	1.11	30.9	81.7	31-2	5
2	Delta and Pine Land	DP 444 BG/RR	38.7	1469	30	1.10	28.3	80.6	31-1	4
3	Stoneville	ST 5242BR	35.7	1434	32	1.07	27.0	81.3	31-1	3
4	Stoneville	ST 5599BR	37.5	1408	34	1.11	29.5	80.1	31-2	5
5	Delta and Pine Land	DP 555 BG/RR	38.9	1381	38	1.10	30.8	78.5	31-1	4
6	Stoneville	STX416B2R	34.3	1346	38	1.12	30.0	82.0	41-1	6
7	Stoneville	ST 4664RF	35.6	1338	33	1.13	30.9	81.6	31-1	5
8	Stoneville	ST 4357B2RF	35.8	1335	33	1.15	27.7	80.5	31-1	4
9	Stoneville	ST 4575BR	36.5	1315	31	1.11	30.1	81.4	31-2	4
10	Delta and Pine Land	PM 1218 BG/RR	35.9	1314	35	1.08	27.0	81.2	21-2	3
11	Stoneville	ST 4686R	36.1	1303	34	1.11	30.9	81.4	31-1	4
12	Stoneville	ST 4554B2RF	35.0	1295	36	1.10	31.5	80.0	31-1	4
13	Beltwide Cotton Genetics	BW-4630B2F	34.6	1259	33	1.13	26.4	80.8	31-1	4
14	PhytoGen	PHY 425 RF	35.6	1259	34	1.12	31.8	82.3	31-2	6
15	PhytoGen	PHY 410 R	34.8	1244	36	1.11	31.3	81.8	31-2	5
16	PhytoGen	PHY 415 RF	34.7	1234	35	1.08	29.3	81.4	41-1	5
17	Royster-Clark Vigoro	CX 612B2F	35.0	1218	31	1.16	27.8	81.6	41-1	5
18	UAP-Dynagro	DG 2520 B2RF	35.4	1201	33	1.16	28.2	80.4	31-1	3
19	Beltwide Cotton Genetics	BW-9124B2F	36.0	1200	31	1.16	28.8	80.5	31-2	4
20	PhytoGen	PHY 485 WRF	34.4	1198	35	1.11	31.0	81.8	41-1	5
21	Royster-Clark Vigoro	CX 621B2F	34.4	1178	34	1.14	28.0	80.3	31-1	3
22	Croplan Genetics	CG 3020B2RF	33.5	1177	31	1.11	27.4	80.5	31-1	3
23	Croplan Genetics	CG 4020B2RF	34.6	1170	30	1.14	26.8	79.7	31-2	3
24	Stoneville	ST 5007B2RF	32.2	1149	33	1.19	30.1	81.0	31-2	5
25	Croplan Genetics	CG 3520B2RF	34.8	1148	33	1.16	28.6	81.5	31-2	4
26	Beltwide Cotton Genetics	BW-1004B2F	35.1	1148	32	1.13	34.0	83.5	31-1	4
27	Royster-Clark Vigoro	CX 601B2F	33.3	1147	30	1.10	28.5	81.3	31-1	3
28	Beltwide Cotton Genetics	BW-3255B2F	33.2	1135	29	1.10	28.7	81.5	31-1	4
29	FiberMax	FM 960BR	34.4	1135	29	1.10	34.4	80.9	31-1	4
30	UAP-Dynagro	DG 2242 B2RF	35.2	1126	31	1.14	28.3	81.0	31-2	4
31	Delta and Pine Land	DP 110 RF	37.3	1113	32	1.06	33.4	81.7	41-1	6
32	UAP-Dynagro	DG 2215 B2RF	33.5	1099	30	1.12	28.4	80.1	31-1	4
33	Delta and Pine Land	DP 108 RF	35.0	1095	29	1.10	29.6	80.5	41-1	5
34	Delta and Pine Land	DP 117 B2RF	36.3	1082	32	1.12	30.8	80.3	41-1	6
35	Beltwide Cotton Genetics	BW-4153B2F	32.4	1080	30	1.12	26.7	81.5	21-2	3
36	PhytoGen	PHY 475 WRF	34.9	1069	34	1.09	30.6	83.1	41-1	5
37	Royster-Clark Vigoro	CX 611B2F	32.5	1057	27	1.12	29.0	79.5	31-1	4
38	UAP-Dynagro	DG 2100 B2RF	32.8	1043	31	1.10	27.8	81.6	31-1	4
39	Delta and Pine Land	DP 113 B2RF	34.6	1040	28	1.10	31.6	79.1	31-2	5
40	Stoneville	STX5885B2RF	31.6	917	33	1.14	32.6	80.6	31-1	3
Mean:			35.0	1209	32	1.12	29.6	81.0	31-1	4.3
CV (%)				6.9						
LSD (0.05)				117						



Table 8. **Preliminary** gin turnout, lint yield and fiber quality of 40 cotton varieties in the 2005 Tennessee Official Roundup Ready Flex Variety Trial, Ames Plantation, Grand Junction, TN.

Yield Rank	Company	Variety	Gin Turnout %	Lint Yield lb./a	Fiber Mike units	Fiber Length in.	Fiber Strength g/tex	Uni-formity %	HVI Color	Leaf Grade
1	Delta and Pine Land	DP 432 RR	40.2	1406	38	1.07	30.2	81.7	31-4	4
2	Stoneville	ST 4575BR	39.1	1366	40	1.09	29.6	81.8	31-2	4
3	Stoneville	ST 5242BR	39.8	1362	37	1.07	29.1	80.7	31-1	3
4	Stoneville	ST 5599BR	39.3	1327	40	1.05	30.5	80.3	31-2	4
5	Stoneville	ST 4664RF	38.6	1325	40	1.08	31.2	82.1	31-3	4
6	Stoneville	STX416B2R	37.2	1290	40	1.08	30.1	80.7	31-1	4
7	PhytoGen	PHY 410 R	38.9	1282	40	1.10	31.5	82.3	41-1	4
8	Delta and Pine Land	DP 444 BG/RR	40.7	1281	36	1.08	30.2	81.8	31-1	3
9	Stoneville	ST 4686R	38.6	1247	38	1.10	31.7	81.7	31-2	4
10	PhytoGen	PHY 475 WRF	39.3	1244	40	1.08	31.3	82.1	31-4	4
11	Stoneville	ST 4554B2RF	36.9	1240	41	1.12	31.8	81.7	31-4	3
12	PhytoGen	PHY 415 RF	38.0	1235	40	1.09	28.4	82.4	31-2	4
13	Delta and Pine Land	PM 1218 BG/RR	38.3	1221	41	1.03	27.8	81.5	31-1	3
14	PhytoGen	PHY 485 WRF	36.6	1216	44	1.10	31.2	82.1	41-3	5
15	Delta and Pine Land	DP 110 RF	38.1	1215	37	1.11	33.2	82.1	41-1	5
16	FiberMax	FM 960BR	37.3	1208	35	1.05	31.9	81.0	31-1	3
17	Beltwide Cotton Genetics	BW-4630B2F	35.0	1202	37	1.14	28.1	81.3	31-1	3
18	Delta and Pine Land	DP 108 RF	37.7	1194	32	1.10	32.1	80.6	31-1	4
19	PhytoGen	PHY 425 RF	37.1	1184	38	1.09	31.3	82.2	31-2	4
20	Delta and Pine Land	DP 555 BG/RR	40.0	1174	40	1.06	29.6	78.5	31-1	3
21	Croplan Genetics	CG 3020B2RF	35.8	1152	34	1.09	26.9	81.6	31-1	3
22	Stoneville	ST 4357B2RF	36.7	1141	39	1.16	28.2	80.5	31-1	3
23	Beltwide Cotton Genetics	BW-9124B2F	37.4	1132	37	1.13	28.4	80.8	31-1	3
24	UAP-Dynagro	DG 2520 B2RF	37.0	1131	39	1.16	28.7	79.1	31-2	3
25	Beltwide Cotton Genetics	BW-1004B2RF	35.9	1118	35	1.14	27.2	80.7	31-1	4
26	Delta and Pine Land	DP 117 B2RF	37.8	1117	38	1.13	31.5	80.6	41-1	6
27	Croplan Genetics	CG 4020B2RF	35.5	1112	38	1.13	29.0	81.0	31-1	4
28	Beltwide Cotton Genetics	BW-3255B2F	35.0	1099	36	1.08	28.0	81.5	31-1	3
29	Delta and Pine Land	DP 113 B2RF	38.5	1066	35	1.11	31.5	80.2	31-4	5
30	Beltwide Cotton Genetics	BW-4153B2F	34.0	1064	36	1.10	28.8	80.2	31-1	3
31	Stoneville	ST 5007B2RF	33.9	1060	36	1.18	29.5	82.0	31-2	3
32	UAP-Dynagro	DG 2100 B2RF	35.6	1060	36	1.09	27.3	81.1	31-1	3
33	Royster-Clark Vigoro	CX 621B2F	36.8	1056	38	1.13	28.1	80.5	31-1	3
34	Croplan Genetics	CG 3520B2RF	35.3	1043	34	1.11	27.8	79.6	31-2	4
35	UAP-Dynagro	DG 2242 B2RF	35.6	1039	39	1.14	28.3	80.9	31-2	4
36	Royster-Clark Vigoro	CX 601B2F	35.2	1028	36	1.08	27.6	80.4	31-1	3
37	Stoneville	STX5885B2RF	33.8	944	37	1.15	31.8	80.6	31-1	3
38	Royster-Clark Vigoro	CX 612B2F	36.1	932	36	1.15	28.4	81.7	31-1	3
39	Royster-Clark Vigoro	CX 611B2F	35.1	930	34	1.11	27.7	80.5	31-1	3
40	UAP-Dynagro	DG 2215 B2RF	34.2	903	33	1.10	26.8	79.8	31-1	3
Mean:			37.1	1159	38	1.10	29.6	81.0	31-2	3.6
CV (%)				10.5						
LSD (0.05)				171						

Table 9. **Preliminary** gin turnout, lint yield and fiber quality of 40 cotton varieties in the 2005 Tennessee Official Roundup Ready Flex Variety Trial, Fullen Farms, Ashport, TN.

Yield Rank	Company	Variety	Gin Turnout %	Lint Yield lb./a	Mike units	Fiber Length in.	Fiber Strength g/tex	Uni-formity %	HVI Color	Leaf Grade
1	Delta and Pine Land	DP 432 RR	38.1	1474	43	1.07	31.6	82.6	41-1	4
2	Stoneville	ST 5599BR	36.8	1267	44	1.07	30.5	80.5	31-4	4
3	Stoneville	ST 4554B2RF	32.9	1242	41	1.10	30.5	80.9	41-3	5
4	Stoneville	ST 4575BR	35.8	1151	41	1.08	30.0	82.0	41-3	4
5	Beltwide Cotton Genetics	BW-4630B2F	37.5	1144	39	1.10	28.4	80.0	41-1	3
6	Stoneville	ST 4686R	36.2	1143	44	1.08	30.1	82.8	32-1	3
7	Delta and Pine Land	DP 110 RF	33.8	1137	43	1.12	34.7	82.1	41-1	4
8	Beltwide Cotton Genetics	BW-9124B2F	34.8	1078	43	1.11	30.1	80.6	31-2	3
9	Royster-Clark Vigoro	CX 621B2F	35.6	1054	38	1.10	29.3	82.1	41-1	3
10	Stoneville	ST 5242BR	36.7	1036	44	1.07	31.8	81.5	31-2	3
11	PhytoGen	PHY 410 R	33.6	1022	47	1.02	29.4	80.5	41-4	4
12	Delta and Pine Land	DP 444 BG/RR	33.5	994	37	1.11	29.6	81.1	41-1	3
13	Royster-Clark Vigoro	CX 601B2F	31.2	978	40	1.07	26.9	81.2	41-1	3
14	Stoneville	STX416B2R	32.7	971	43	1.06	29.0	80.9	41-1	4
15	Delta and Pine Land	DP 108 RF	34.7	971	39	1.06	30.2	79.6	41-1	4
16	Croplan Genetics	CG 4020B2RF	31.0	948	41	1.10	29.5	81.1	41-1	3
17	UAP-Dynagro	DG 2215 B2RF	34.7	937	38	1.07	28.7	78.8	41-1	3
18	Stoneville	ST 4664RF	32.8	917	43	1.06	30.4	80.8	41-3	4
19	Croplan Genetics	CG 3020B2RF	32.4	904	40	1.06	28.3	80.0	41-1	3
20	Delta and Pine Land	DP 117 B2RF	35.1	894	42	1.10	33.5	82.5	41-3	5
21	Beltwide Cotton Genetics	BW-3255B2F	32.8	884	38	1.06	27.9	81.2	41-1	3
22	Delta and Pine Land	DP 113 B2RF	34.2	880	37	1.08	31.6	80.3	41-1	4
23	FiberMax	FM 960BR	36.7	877	47	1.08	35.0	80.6	31-2	3
24	Stoneville	ST 4357B2RF	33.6	860	41	1.09	30.5	81.2	41-1	3
25	UAP-Dynagro	DG 2100 B2RF	32.3	860	38	1.05	29.0	80.2	41-1	3
26	Stoneville	STX5885B2RF	32.4	826	45	1.11	32.5	79.6	31-2	3
27	Delta and Pine Land	DP 555 BG/RR	36.0	819	43	1.09	26.6	79.2	41-1	3
28	Royster-Clark Vigoro	CX 611B2F	32.4	817	39	1.02	30.7	80.8	41-1	3
29	UAP-Dynagro	DG 2242 B2RF	31.5	815	39	1.07	29.2	81.3	41-1	4
30	Beltwide Cotton Genetics	BW-1004B2F	34.3	814	41	1.09	28.3	81.2	41-1	4
31	Royster-Clark Vigoro	CX 612B2F	35.7	787	39	1.08	27.6	80.4	41-3	4
32	PhytoGen	PHY 415 RF	33.3	786	43	1.05	30.0	80.4	41-3	4
33	PhytoGen	PHY 475 WRF	35.6	778	45	1.07	29.9	81.3	41-1	4
34	PhytoGen	PHY 485 WRF	33.9	767	47	1.08	31.5	82.1	41-3	4
35	Stoneville	ST 5007B2RF	32.1	753	42	1.11	30.6	82.3	41-1	3
36	UAP-Dynagro	DG 2520 B2RF	31.6	724	40	1.08	29.1	80.2	41-1	3
37	Croplan Genetics	CG 3520B2RF	30.2	716	38	1.07	28.6	79.7	41-1	4
38	Delta and Pine Land	PM 1218 BG/RR	34.0	709	50	1.12	29.9	81.0	31-4	3
39	Beltwide Cotton Genetics	BW-4153B2F	33.0	677	37	1.04	27.6	79.9	41-1	3
40	PhytoGen	PHY 425 RF	30.7	618	46	1.05	30.1	81.0	42-1	4
Mean:			33.9	926	42	1.08	30.0	80.9	41-1	3.5
CV (%)				17.5						
LSD (0.05)				264						

Table 10. **Preliminary** gin turnout, lint yield and fiber quality of 40 cotton varieties in the 2005 Tennessee Official Roundup Ready Flex Variety Trial, Milan Research and Education Center, Milan, TN.

Yield Rank	Company	Variety	Gin Turnout %	Lint Yield lb./a	Fiber Mike units	Fiber Length in.	Fiber Strength g/tex	Uni-formity %	HVI Color	Leaf Grade
1	Stoneville	ST 4575BR	37.8	1400	49	1.07	30.5	82.5	32-2	4
2	Delta and Pine Land	DP 432 RR	37.4	1331	50	1.07	29.5	83.2	31-4	4
3	Stoneville	ST 4686R	37.0	1329	48	1.08	29.4	83.5	32-2	4
4	Stoneville	ST 5599BR	37.0	1326	47	1.11	33.6	81.5	32-2	5
5	Stoneville	ST 5242BR	36.9	1307	47	1.08	29.0	82.0	31-3	3
6	Stoneville	ST 4664RF	37.7	1302	47	1.08	30.3	81.6	41-3	5
7	Delta and Pine Land	DP 444 BG/RR	37.8	1300	44	1.09	31.9	82.1	31-2	4
8	PhytoGen	PHY 415 RF	38.4	1295	51	1.05	30.1	81.9	42-1	4
9	Stoneville	ST 4554B2RF	36.2	1284	49	1.12	31.1	82.3	31-4	4
10	Royster-Clark Vigoro	CX 612B2F	36.3	1269	45	1.13	29.7	81.9	41-1	5
11	Delta and Pine Land	DP 108 RF	38.0	1266	45	1.08	31.4	81.5	41-1	5
12	Royster-Clark Vigoro	CX 621B2F	36.2	1266	46	1.14	29.4	82.9	31-1	4
13	Stoneville	ST 4357B2RF	38.1	1256	44	1.12	30.3	82.1	31-2	4
14	Beltwide Cotton Genetics	BW-3255B2F	36.4	1251	45	1.05	27.9	81.8	31-1	3
15	Beltwide Cotton Genetics	BW-4153B2F	36.6	1232	43	1.08	27.9	82.3	41-1	4
16	Beltwide Cotton Genetics	BW-4630B2F	35.8	1226	47	1.12	29.0	81.6	31-1	3
17	Beltwide Cotton Genetics	BW-9124B2F	35.3	1223	46	1.11	29.8	81.2	31-3	4
18	Delta and Pine Land	DP 117 B2RF	36.7	1222	46	1.11	34.3	82.4	41-1	5
19	FiberMax	FM 960BR	37.2	1215	49	1.08	33.3	81.5	31-3	3
20	UAP Dynagro	DG 2520 B2RF	36.6	1212	45	1.16	30.7	82.2	31-2	4
21	UAP Dynagro	DG 2242 B2RF	34.5	1205	45	1.13	30.0	82.3	31-1	4
22	Delta and Pine Land	PM 1218 BG/RR	38.0	1169	50	1.06	29.9	81.7	32-2	4
23	Croplan Genetics	CG 3520B2RF	35.7	1169	46	1.11	29.3	82.4	31-2	5
24	PhytoGen	PHY 485 WRF	36.0	1163	51	1.08	31.6	82.9	41-3	6
25	Dynagro	DG 2100 B2RF	35.1	1141	46	1.05	27.8	81.9	31-1	3
26	Stoneville	STX416B2R	35.0	1135	50	1.07	31.4	82.7	41-3	6
27	Royster-Clark Vigoro	CX 601B2F	34.0	1134	45	1.08	28.1	82.9	31-1	4
28	PhytoGen	PHY 425 RF	35.5	1119	51	1.09	30.9	82.9	41-3	6
29	Delta and Pine Land	DP 113 B2RF	35.3	1119	43	1.11	31.6	82.2	41-3	6
30	Delta and Pine Land	DP 110 RF	36.3	1118	47	1.09	33.8	82.5	41-4	6
31	Croplan Genetics	CG 4020B2RF	35.7	1108	47	1.14	28.7	81.2	31-1	4
32	PhytoGen	PHY 410 R	35.3	1094	51	1.08	30.9	83.1	41-3	4
33	Beltwide Cotton Genetics	BW-1004B2F	36.8	1085	47	1.10	28.7	82.2	41-3	4
34	Delta and Pine Land	DP 555 BG/RR	39.1	1077	48	1.07	32.0	81.2	31-1	4
35	Royster-Clark Vigoro	CX 611B2F	33.8	1077	43	1.10	28.4	82.2	21-1	3
36	Croplan Genetics	CG 3020B2RF	34.0	1057	43	1.09	28.5	82.8	31-3	4
37	PhytoGen	PHY 475 WRF	36.2	1049	48	1.08	31.8	83.1	32-2	5
38	UAP Dynagro	DG 2215 B2RF	33.5	1040	42	1.07	27.8	81.3	31-2	4
39	Stoneville	STX5885B2RF	32.4	986	48	1.12	31.3	81.4	31-3	3
40	Stoneville	ST 5007B2RF	31.9	919	45	1.13	29.2	82.3	31-2	4
Mean:			36.1	1187	47	1.09	30.3	82.2	41-1	4.3
CV (%)				8.9						
LSD (0.05)				149						

Table 11. **Preliminary** gin turnout, lint yield and fiber quality of 40 cotton varieties in the 2005 Tennessee Official Roundup Ready Flex Variety Trial, West Tennessee Research and Education Center, Jackson, TN.

Yield Rank	Company	Variety	Gin Turnout %	Lint Yield lb./a	Mike units	Fiber Length in.	Fiber Strength g/tex	Uni-formity %	HVI Color	Leaf Grade
1	Stoneville	ST 5242BR	39.4	1696	38	1.14	29.1	81.0	31-2	4
2	Stoneville	ST 4575BR	39.2	1657	40	1.10	27.5	81.8	31-2	4
3	Stoneville	ST 4554B2RF	38.8	1651	41	1.12	31.7	83.4	31-2	4
4	Stoneville	ST 4686R	38.6	1625	40	1.11	31.7	81.8	31-2	5
5	Delta and Pine Land	DP 555 BG/RR	39.6	1606	41	1.08	30.2	79.4	31-2	4
6	Delta and Pine Land	DP 432 RR	39.2	1583	40	1.10	30.9	82.7	41-1	4
7	Stoneville	ST 5599BR	38.6	1561	41	1.07	31.2	79.3	41-1	4
8	Delta and Pine Land	DP 444 BG/RR	39.5	1544	36	1.11	29.7	81.9	41-1	4
9	Croplan Genetics	CG 4020B2RF	36.6	1468	38	1.14	28.6	81.9	31-2	4
10	Delta and Pine Land	PM 1218 BG/RR	38.2	1463	43	1.06	29.1	80.9	31-2	3
11	PhytoGen	PHY 410 R	36.3	1459	42	1.09	30.9	83.1	41-1	6
12	Stoneville	STX416B2R	35.5	1446	41	1.09	30.6	82.2	41-1	6
13	Stoneville	ST 4664RF	37.3	1444	38	1.11	31.5	80.9	41-1	6
14	FiberMax	FM 960BR	36.6	1434	36	1.09	34.6	80.1	31-2	4
15	Beltwide Cotton Genetics	BW-3255B2F	35.6	1429	36	1.11	27.9	82.5	31-2	4
16	Phytogen	PHY 415 RF	37.2	1428	39	1.09	34.4	81.0	41-1	5
17	Royster-Clark Vigoro	CX 621B2F	36.4	1425	38	1.14	28.9	81.5	31-2	4
18	Delta and Pine Land	DP 108 RF	36.7	1418	34	1.10	31.9	81.6	41-1	5
19	Stoneville	ST 4357B2RF	36.8	1414	39	1.16	30.2	81.8	31-1	3
20	PhytoGen	PHY 425 RF	35.8	1409	40	1.11	31.8	82.4	41-1	4
21	UAP-Dynagro	DG 2215 B2RF	35.3	1406	36	1.09	28.8	81.8	31-2	4
22	Beltwide Cotton Genetics	BW-4630B2F	36.1	1398	39	1.18	29.6	81.7	31-2	4
23	Royster-Clark Vigoro	CX 612B2F	35.7	1397	36	1.07	34.7	81.7	41-1	6
24	PhytoGen	PHY 485 WRF	36.3	1387	40	1.16	28.7	81.8	41-1	5
25	Beltwide Cotton Genetics	BW-4153B2F	34.9	1383	35	1.14	28.7	80.6	31-2	4
26	UAP-Dynagro	DG 2520 B2RF	36.4	1376	38	1.08	31.8	83.9	31-1	4
27	Croplan Genetics	CG 3020B2RF	35.4	1371	36	1.08	28.7	81.1	31-2	4
28	PhytoGen	PHY 475 WRF	36.9	1351	40	1.10	31.0	82.6	41-1	6
29	Delta and Pine Land	DP 110 RF	36.7	1346	36	1.16	29.1	83.1	41-1	6
30	Croplan Genetics	CG 3520B2RF	35.2	1338	37	1.15	28.8	83.0	31-2	5
31	Royster-Clark Vigoro	CX 601B2F	34.5	1334	36	1.11	29.5	81.9	31-2	4
32	UAP-Dynagro	DG 2100 B2RF	34.8	1333	35	1.10	30.5	82.6	31-2	4
33	Royster-Clark Vigoro	CX 611B2F	34.7	1321	34	1.10	29.4	80.9	41-1	4
34	Beltwide Cotton Genetics	BW-9124B2F	36.1	1319	37	1.13	29.6	80.7	31-1	3
35	Stoneville	ST 5007B2RF	32.8	1315	36	1.14	29.4	80.6	31-2	5
36	Delta and Pine Land	DP 117 B2RF	37.1	1304	38	1.12	32.8	83.0	41-1	5
37	UAP-Dynagro	DG 2242 B2RF	35.1	1257	36	1.14	29.5	81.1	41-1	5
38	Beltwide Cotton Genetics	BW-1004B2F	35.2	1217	35	1.13	28.2	81.5	41-1	4
39	Delta and Pine Land	DP 113 B2RF	35.3	1167	34	1.10	33.9	80.1	41-2	6
40	Stoneville	STX5885B2RF	33.3	1166	41	1.15	31.3	81.4	31-2	3
Mean:			36.5	1416	38	1.11	30.4	81.7		4.5
CV (%)				7.3						
LSD (0.05)				144						

Table 12. **Preliminary** gin turnout, lint yield and fiber quality of 40 cotton varieties in the 2005 Tennessee Official Roundup Ready Flex Variety Trial, 5 Location Average.

Yield Rank	Company	Variety	Gin Turnout %	Lint Yield lb./a	Fiber Mike units	Fiber Length in.	Fiber Strength g/tex	Uni-formity %	HVI Color	Leaf Grade
1	Delta and Pine Land	DP 432 RR	38.4	1462	41	1.08	30.6	82.4	41-1	4.2
2	Stoneville	ST 5599BR	37.8	1378	41	1.08	31.1	80.3	31-2	4.4
3	Stoneville	ST 4575BR	37.7	1378	40	1.09	29.5	81.9	31-2	4.0
4	Stoneville	ST 5242BR	37.7	1367	40	1.09	29.2	81.3	31-2	3.2
5	Stoneville	ST 4554B2RF	35.9	1342	42	1.11	31.3	81.7	41-1	4.0
6	Stoneville	ST 4686R	37.3	1329	41	1.10	30.8	82.2	31-2	4.0
7	Delta and Pine Land	DP 444 BG/RR	38.1	1317	37	1.10	29.9	81.5	31-2	3.6
8	Stoneville	ST 4664RF	36.4	1265	40	1.09	30.9	81.4	41-1	4.8
9	Beltwide Cotton Genetics	BW-4630B2F	35.8	1246	39	1.13	28.3	81.1	31-1	3.4
10	Stoneville	STX416B2R	34.9	1237	42	1.08	30.2	81.7	41-1	5.2
11	PhytoGen	PHY 410 R	35.8	1220	43	1.08	30.8	82.2	41-1	4.6
12	Delta and Pine Land	DP 555 BG/RR	38.7	1212	42	1.08	29.8	79.4	31-2	3.6
13	Stoneville	ST 4357B2RF	36.2	1201	39	1.14	29.4	81.2	31-1	3.4
14	Royster-Clark Vigoro	CX 621B2F	35.9	1196	39	1.13	28.7	81.5	31-1	3.4
15	Phytogen	PHY 415 RF	36.3	1196	42	1.07	30.4	81.4	41-1	4.4
16	Beltwide Cotton Genetics	BW-9124B2F	35.9	1191	39	1.13	29.3	80.8	31-1	3.4
17	Delta and Pine Land	DP 108 RF	36.4	1189	36	1.09	31.0	80.8	41-1	4.6
18	Delta and Pine Land	DP 110 RF	36.4	1186	39	1.11	32.8	82.3	41-1	5.4
19	Delta and Pine Land	PM 1218 BG/RR	36.9	1175	44	1.07	28.7	81.3	31-1	3.2
20	FiberMax	FM 960BR	36.4	1174	39	1.08	33.8	80.8	31-1	3.4
21	Croplan Genetics	CG 4020B2RF	34.7	1161	39	1.13	28.5	81.0	31-1	3.6
22	Beltwide Cotton Genetics	BW-3255B2F	34.6	1160	37	1.08	28.1	81.7	31-2	3.4
23	PhytoGen	PHY 485 WRF	35.4	1146	43	1.11	30.8	82.1	41-1	5.0
24	Croplan Genetics	CG 3020B2RF	34.2	1132	37	1.09	28.0	81.2	31-2	3.4
25	UAP-Dynagro	DG 2520 B2RF	35.4	1129	39	1.13	29.7	81.2	31-2	3.4
26	Royster-Clark Vigoro	CX 601B2F	33.6	1124	37	1.09	28.1	81.5	31-2	3.4
27	Delta and Pine Land	DP 117 B2RF	36.6	1124	39	1.12	32.6	81.8	41-1	5.4
28	Royster-Clark Vigoro	CX 612B2F	35.8	1120	37	1.12	29.6	81.5	41-1	4.6
29	PhytoGen	PHY 425 RF	34.9	1118	42	1.09	31.2	82.2	41-1	4.8
30	PhytoGen	PHY 475 WRF	36.6	1098	41	1.08	30.9	82.4	41-1	4.8
31	UAP-Dynagro	DG 2242 B2RF	34.4	1089	38	1.12	29.1	81.3	31-2	4.2
32	UAP-Dynagro	DG 2100 B2RF	34.1	1087	37	1.08	28.5	81.5	31-1	3.4
33	Beltwide Cotton Genetics	BW-4153B2F	34.2	1087	36	1.10	27.9	80.9	31-2	3.4
34	Croplan Genetics	CG 3520B2RF	34.2	1083	38	1.12	28.6	81.2	31-2	4.4
35	UAP-Dynagro	DG 2215 B2RF	34.3	1077	36	1.09	28.1	80.4	31-2	3.6
36	Beltwide Cotton Genetics	BW-1004B2F	35.5	1077	38	1.12	29.3	81.8	41-1	4.0
37	Delta and Pine Land	DP 113 B2RF	35.6	1054	35	1.10	32.0	80.4	41-1	5.2
38	Royster-Clark Vigoro	CX 611B2F	33.7	1041	35	1.09	29.0	80.8	31-1	3.4
39	Stoneville	ST 5007B2RF	32.6	1039	38	1.15	29.8	81.6	41-1	4.0
40	Stoneville	STX5885B2RF	32.7	968	41	1.13	31.9	80.7	31-2	3.0
Mean:			35.7	1179	39	1.10	30.0	81.4	41-1	4.0
CV (%)			2.9	7.7	3.8	1.9	4.2	0.9		12.5
LSD (0.05)			1.3	113	1.9	0.03	1.6	0.9		0.6