



OSU Cotton Official Variety Tests - 2017

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The Oklahoma Agricultural Experiment Station cotton official variety tests (OVTs) were planted at the Southwest Research and Extension Center at Altus Center (SWREC) (furrow irrigated), Tipton Valley Research Center (dryland no-till), and Caddo Research Station at Fort Cobb (low elevation spray center pivot irrigated) in 2017.

Site information:

- 1) Altus conventional tillage furrow irrigated OVT – planted May 25, harvested November 2.
- 2) Tipton no-till dryland OVT – planted June 13, harvested November 6.
- 3) Fort Cobb no-till in terminated wheat cover - center pivot irrigated OVT – planted May 30, harvested November 27.

The trials consisted of four replicates of entries. Plot size was four rows wide by 30 ft at all sites. Row spacing at Altus and Tipton was 40 inches, whereas row spacing was 36 inches at the Fort Cobb site. Harvested area was the center two rows by the length of the plot. Trials were harvested with a brush-roll plot stripper without a field cleaner and grab sampled by plot (three replicates). Grab samples were ginned and lint samples were submitted for HVI analyses at the Cotton Phenomics Laboratory at the Fiber and Biopolymer Research Institute at Texas Tech University.

2017 OVT results for Altus (Tables 1 and 2), Tipton (Tables 3 and 4), and Fort Cobb (Tables 5 and 6) are presented below.



Table 1. Yield and agronomic results from the OSU cotton official variety test, Southwest Research and Extension Center, Altus, OK 2017.

Entry	Lint yield lb/acre	Grab sample turnout		Storm resistance visual scale (1=loose, 9=tight)	Final plant height inches
		Lint -----%-----	Seed		
PhytoGen PHY 300 W3FE	2048	28.0	43.4	6.0	39
PhytoGen PX4A54W3FE	2035	27.7	44.8	6.5	35
FiberMax FM 1830 GLT	1944	29.7	44.6	6.3	36
Deltapine DP 1646 B2XF	1916	31.7	43.4	5.8	43
PhytoGen 440 W3FE (PX4A62W3FE)	1911	27.3	44.0	5.0	37
Deltapine DP 1845 B3XF (MON16R341B3XF)	1908	29.7	42.4	7.5	41
Croplan CL 9598 B3XF (Winfield United 17XL8B3XF)	1870	31.6	41.5	5.5	40
NexGen NG 3406 B2XF	1867	28.8	46.8	6.3	37
Deltapine DP 1518 B2XF	1828	27.9	45.6	7.0	38
PhytoGen PHY 340 W3FE	1824	26.6	40.9	5.8	40
NexGen NG 5007 B2XF	1811	28.8	42.2	5.8	41
PhytoGen PX4A57W3FE	1800	27.2	41.0	5.8	39
PhytoGen PX2A31W3FE	1789	26.9	42.9	8.0	33
Deltapine DP 1044 B2RF	1787	27.0	48.1	6.8	38
Deltapine DP 1820 B3XF (MON16R324B3XF)	1785	29.9	42.2	6.5	40
Deltapine DP 1639 B2XF	1782	28.3	40.6	5.8	39
Stoneville ST 5517 GLTP	1781	27.1	46.5	6.8	40
MON16R346B3XF	1773	28.8	42.7	6.8	40
AMX1717B2XF	1751	27.0	44.7	4.8	41
PhytoGen PHY 490 W3FE	1746	26.1	43.8	5.5	42
Deltapine DP 1612 B2XF	1735	25.6	45.7	6.0	34
FiberMax FM 2334 GLT	1732	28.0	41.4	6.0	35
PhytoGen 480 W3FE (PX4A52W3FE)	1704	25.4	41.5	6.3	42
FiberMax FM 2007 GLT	1703	26.2	48.6	7.0	37
NexGen NG 4601 B2XF	1697	29.1	44.7	5.8	40
PhytoGen PX3A99W3FE	1689	25.9	43.5	5.8	39
FiberMax FM 1900 GLT	1678	26.7	44.5	7.0	36
NexGen NG 5711 B3XF (AMX1711B3XF)	1676	30.6	48.7	6.5	43
Deltapine DP 1549 B2XF	1655	27.3	44.2	6.5	43
Deltapine DP 1522 B2XF	1654	26.2	43.2	5.8	41
PhytoGen PX3A82W3FE	1650	24.8	42.7	5.8	38
NexGen NG 4545 B2XF	1649	26.1	45.8	6.8	41
FiberMax FM 1911 GLT	1648	28.5	47.2	8.0	33
PhytoGen PHY 330 W3FE	1631	24.4	39.3	6.5	39
PhytoGen PHY 499 WRF	1611	25.6	41.1	4.5	43
Croplan CG 3475 B2XF	1591	24.1	42.6	6.5	36
NexGen NG 4689 B2XF	1590	26.9	44.9	7.0	39
PhytoGen PX2A28W3FE	1565	24.2	41.9	6.5	36
Stoneville ST 5020 GLT	1557	26.1	46.1	6.5	39
PhytoGen PHY 450 W3FE	1533	25.0	45.5	6.0	41
NexGen NG 3699 B2XF	1526	23.5	42.6	6.8	38
MON16R123XF	1522	24.5	43.3	6.5	41
PhytoGen PX3A96W3FE	1391	21.4	39.3	5.0	38
PhytoGen PHY 764 WRF	1291	23.6	43.6	5.3	42
Test average	1719	26.9	43.7	6.2	39
CV, %	6.0	5.5	4.6	10.0	5.5
OSL	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
LSD	144	2.4	3.3	0.9	3

CV - coefficient of variation.

OSL - observed significance level, or probability of a greater F value.

LSD - least significant difference at the 0.05 level.



Table 2. Fiber property results for entries in the OSU cotton official variety test, Southwest Research and Extension Center, Altus, OK 2017.

Entry	Micronaire	Length	Staple	Strength	Uniformity	Elongation	Reflectance	Yellowness
	units	inches	32nds inch	g/tex	%	%	rd %	+b %
AMX1717B2XF	4.3	1.22	38.9	32.0	84.2	7.9	78.7	8.4
Croplan CG 3475 B2XF	4.3	1.18	37.8	33.2	84.3	9.4	77.4	8.9
Croplan CL 9598 B3XF (Winfield United 17XL8B3XF)	4.4	1.20	38.4	32.9	83.5	8.4	81.2	8.4
Deltapine DP 1044 B2RF	4.0	1.16	37.1	31.9	82.7	9.5	79.7	8.5
Deltapine DP 1518 B2XF	4.0	1.22	38.9	31.9	83.7	6.8	78.6	8.0
Deltapine DP 1522 B2XF	4.7	1.16	37.1	31.9	82.3	10.3	78.9	8.7
Deltapine DP 1549 B2XF	3.8	1.17	37.5	33.1	82.8	7.2	80.0	8.5
Deltapine DP 1612 B2XF	4.5	1.18	37.9	33.6	83.3	8.6	78.1	8.8
Deltapine DP 1639 B2XF	4.7	1.17	37.5	34.6	84.3	9.2	79.8	9.0
Deltapine DP 1646 B2XF	4.2	1.25	40.1	32.1	83.8	8.5	81.7	8.4
Deltapine DP 1820 B3XF (MON16R324B3XF)	4.2	1.27	40.7	36.9	84.4	6.3	81.4	8.2
Deltapine DP 1845 B3XF (MON16R341B3XF)	3.7	1.27	40.7	33.3	83.9	8.8	79.0	7.8
FiberMax FM 1830 GLT	4.2	1.26	40.4	34.2	83.8	5.9	80.7	8.0
FiberMax FM 1900 GLT	4.0	1.22	39.0	34.5	83.4	5.4	78.9	8.3
FiberMax FM 1911 GLT	3.9	1.19	38.1	32.5	82.9	6.7	80.8	7.8
FiberMax FM 2007 GLT	3.8	1.24	39.8	33.4	83.1	7.1	81.4	7.9
FiberMax FM 2334 GLT	4.4	1.25	39.9	34.2	84.6	6.0	81.3	8.4
MON16R123XF	3.8	1.27	40.5	34.9	84.5	6.3	79.4	8.7
MON16R346B3XF	4.0	1.27	40.7	33.2	83.5	9.5	80.6	8.0
NexGen NG 3406 B2XF	4.1	1.17	37.4	30.7	83.6	8.9	79.7	8.8
NexGen NG 3699 B2XF	4.0	1.25	39.9	34.0	82.8	6.8	79.9	8.6
NexGen NG 4545 B2XF	4.3	1.18	37.9	34.2	83.4	6.1	79.3	8.7
NexGen NG 4601 B2XF	4.3	1.20	38.5	34.4	83.9	7.7	81.6	8.6
NexGen NG 4689 B2XF	4.4	1.16	37.0	34.1	83.6	6.0	79.0	9.1
NexGen NG 5007 B2XF	4.2	1.18	37.8	30.7	82.9	8.9	80.4	9.0
NexGen NG 5711 B3XF (AMX1711B3XF)	3.8	1.22	39.0	33.9	83.9	8.4	80.6	9.0
PhytoGen 440 W3FE (PX4A62W3FE)	3.2	1.22	39.0	34.7	82.9	6.6	79.3	8.2
PhytoGen 480 W3FE (PX4A52W3FE)	3.8	1.19	38.2	32.7	83.3	8.8	80.6	8.6
PhytoGen PHY 300 W3FE	4.2	1.16	37.2	32.9	84.0	7.7	78.5	8.8
PhytoGen PHY 330 W3FE	3.7	1.22	38.9	32.9	83.1	6.8	78.2	8.4
PhytoGen PHY 340 W3FE	3.9	1.17	37.4	33.2	83.3	7.4	79.1	8.9
PhytoGen PHY 450 W3FE	3.8	1.14	36.6	34.4	83.3	9.0	78.6	8.9
PhytoGen PHY 490 W3FE	4.0	1.17	37.5	36.0	84.3	9.6	80.6	8.4
PhytoGen PHY 499 WRF	4.1	1.17	37.4	33.7	83.9	9.1	77.2	8.7
PhytoGen PHY 764 WRF	3.5	1.16	37.2	38.0	83.5	7.7	77.3	8.8
PhytoGen PX2A28W3FE	3.6	1.22	39.0	34.1	82.6	5.5	80.7	7.7
PhytoGen PX2A31W3FE	4.0	1.19	38.0	35.8	84.0	6.3	81.1	7.7
PhytoGen PX3A82W3FE	3.8	1.15	36.7	33.9	83.6	9.0	80.2	8.6
PhytoGen PX3A96W3FE	3.7	1.18	37.8	32.2	83.2	7.5	81.0	8.1
PhytoGen PX3A99W3FE	3.4	1.19	38.1	33.5	83.6	7.8	80.0	9.0
PhytoGen PX4A54W3FE	3.7	1.18	37.7	34.5	83.7	7.9	79.4	8.6
PhytoGen PX4A57W3FE	3.7	1.13	36.1	32.7	82.0	8.0	78.1	8.9
Stoneville ST 5020 GLT	4.4	1.24	39.7	33.9	84.9	8.3	78.7	8.8
Stoneville ST 5517 GLTP	3.7	1.18	37.8	33.6	82.6	7.2	80.8	8.0
Test average	4.0	1.20	38.4	33.6	83.5	7.7	79.7	8.5
CV, %	4.7	1.4	1.4	3.6	0.8	6.0	1.1	3.1
OSL	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
LSD	0.3	0.03	0.9	2.0	1.0	0.7	1.4	0.4

CV - coefficient of variation.

OSL - observed significance level, or probability of a greater F value.

LSD - least significant difference at the 0.05 level, † indicates significance at the 0.10 level.



Table 3. Yield and agronomic results from the OSU cotton official variety test, Tipton Valley Research Center, Tipton, OK 2017.

Entry	Lint yield	Grab sample turnout		Storm resistance	Final plant height
		Lint	Seed		
	lb/acre	-----%-----		visual scale (1=loose, 9=tight)	inches
PhytoGen PHY 340 W3FE	1350	23.7	41.1	6.5	42
PhytoGen PHY 300 W3FE	1330	23.7	40.4	6.8	42
NexGen NG 5007 B2XF	1303	24.3	41.6	5.5	44
PhytoGen PHY 330 W3FE	1300	24.6	40.1	5.8	41
FiberMax FM 1900 GLT	1240	24.2	42.6	7.0	40
NexGen NG 4689 B2XF	1222	22.3	42.7	6.5	45
NexGen NG 3406 B2XF	1218	23.7	44.6	6.0	42
Deltapine DP 1822 XF (MON16R123XF)	1216	23.0	43.4	5.8	44
Deltapine DP 1612 B2XF	1216	23.4	45.2	6.3	42
Croplan CG 3475 B2XF	1196	24.4	44.3	6.0	44
FiberMax FM 1830 GLT	1175	23.2	41.7	6.0	41
FiberMax FM 2007 GLT	1172	22.6	45.0	7.3	40
Stoneville ST 5517 GLTP	1155	22.6	42.9	6.8	43
Stoneville ST 5020 GLT	1135	22.6	43.7	6.0	40
PhytoGen 480 W3FE (PX4A52W3FE)	1125	23.3	40.9	6.5	43
AMX1717B2XF	1100	22.3	43.1	4.3	44
NexGen NG 4601 B2XF	1073	25.8	39.4	5.0	40
FiberMax FM 1911 GLT	1062	23.7	43.1	8.0	37
FiberMax FM 2334 GLT	1056	23.3	40.6	6.5	40
PhytoGen PX3A96W3FE	1055	22.1	41.9	5.8	42
NexGen 5711 B3XF (AMX1711B3XF)	1047	24.4	42.5	6.8	46
NexGen NG 3699 B2XF	1046	21.9	43.9	5.3	42
NexGen NG 4545 B2XF	1041	22.0	43.8	5.5	43
Deltapine DP 1646 B2XF	1029	23.7	39.6	6.8	45
Croplan CL 9598 B3XF (Winfield United 17XL8B3XF)	1024	23.3	38.1	7.0	41
PhytoGen PX3A99W3FE	1015	21.2	40.9	7.0	47
PhytoGen PHY 490 W3FE	929	18.8	38.1	6.3	45
Deltapine DP 1549 B2XF	913	20.5	39.6	7.8	45
MON16R232B2XF	897	21.3	45.8	6.5	47
PhytoGen PHY 450 W3FE	741	16.6	38.7	6.8	41
Test average	1113	22.7	42.0	6.3	43
CV, %	12.8	8.8	3.9	12.6	7.1
OSL	<0.0001	0.0024	<0.0001	<0.0001	0.0007
LSD	201	3.3	2.6	1.1	4

CV - coefficient of variation.

OSL - observed significance level, or probability of a greater F value.

LSD - least significant difference at the 0.05 level.



Table 4. Fiber property results for entries in the OSU cotton official variety test, Tipton Valley Research Center, Tipton, OK 2017.

Entry	Micronaire	Length	Staple	Strength	Uniformity	Elongation	Reflectance	Yellowness
	units	inches	32nds inch	g/tex	%	%	rd %	+b %
AMX1717B2XF	4.0	1.21	38.7	31.4	83.8	7.3	73.8	9.4
Croplan CL 9598 B3XF (Winfield United 17XL8B3XF)	3.7	1.21	38.7	32.5	84.3	7.3	75.7	10.4
Croplan CG 3475 B2XF	4.1	1.16	37.1	33.4	83.2	8.7	75.1	9.4
Deltapine DP 1549 B2XF	3.2	1.19	38.1	33.3	81.7	6.0	75.2	9.7
Deltapine DP 1612 B2XF	3.9	1.21	38.6	33.1	83.4	7.7	76.3	8.8
Deltapine DP 1646 B2XF	3.5	1.25	40.1	29.6	81.8	7.0	75.7	9.5
Deltapine DP 1822 XF (MON16R123XF)	3.4	1.26	40.3	34.9	83.3	5.6	78.1	8.7
FiberMax FM 1830 GLT	3.8	1.25	39.9	33.3	83.3	5.2	76.1	9.0
FiberMax FM 1900 GLT	3.7	1.21	38.7	34.3	82.7	4.5	73.8	8.3
FiberMax FM 1911 GLT	3.6	1.20	38.5	31.4	81.3	6.0	77.4	7.7
FiberMax FM 2007 GLT	3.6	1.24	39.6	32.5	83.1	6.1	77.1	8.0
FiberMax FM 2334 GLT	3.5	1.24	39.6	32.6	83.0	5.4	75.3	9.7
MON16R232B2XF	3.7	1.19	38.2	35.8	83.6	6.6	73.9	10.4
NexGen 5711 B3XF (AMX1711B3XF)	3.6	1.21	38.7	33.8	82.7	7.2	77.3	9.4
NexGen NG 3406 B2XF	3.5	1.13	36.3	30.8	82.7	7.9	75.7	9.2
NexGen NG 3699 B2XF	3.3	1.20	38.5	31.7	82.4	5.6	74.6	9.8
NexGen NG 4545 B2XF	3.7	1.18	37.7	32.8	82.3	5.5	76.1	8.9
NexGen NG 4601 B2XF	3.9	1.20	38.3	34.8	83.5	6.6	77.6	9.1
NexGen NG 4689 B2XF	3.4	1.17	37.5	34.0	82.0	5.3	75.8	9.4
NexGen NG 5007 B2XF	3.9	1.18	37.8	29.9	82.5	7.9	78.7	9.2
PhytoGen 480 W3FE (PX4A52W3FE)	3.7	1.15	36.9	33.2	83.3	8.6	75.8	9.1
PhytoGen PHY 300 W3FE	3.8	1.16	37.0	33.4	82.6	6.9	75.5	8.9
PhytoGen PHY 330 W3FE	3.9	1.20	38.3	32.8	83.2	6.4	73.9	8.7
PhytoGen PHY 340 W3FE	3.9	1.20	38.3	34.1	83.9	6.0	75.1	9.2
PhytoGen PHY 450 W3FE	3.1	1.15	36.9	32.6	83.1	8.3	68.6	10.1
PhytoGen PHY 490 W3FE	3.3	1.18	37.7	35.1	84.0	8.0	69.1	9.9
PhytoGen PX3A96W3FE	3.6	1.20	38.4	32.2	82.4	6.4	77.8	8.3
PhytoGen PX3A99W3FE	3.4	1.17	37.4	32.7	82.0	7.4	77.2	9.3
Stoneville ST 5020 GLT	3.7	1.22	38.9	33.8	82.8	6.7	71.8	9.6
Stoneville ST 5517 GLTP	3.4	1.16	37.2	32.9	81.7	6.5	77.4	8.5
Test average	3.6	1.20	38.3	33.0	82.9	6.7	75.4	9.2
CV, %	9.0	2.1	2.1	4.7	0.9	7.9	4.1	9.0
OSL	0.0364	<0.0001	<0.0001	0.0011	0.0001	<0.0001	0.0398	0.0231
LSD	0.5	0.04	1.3	2.5	1.2	0.9	5.0	1.3

CV - coefficient of variation.

OSL - observed significance level, or probability of a greater F value.

LSD - least significant difference at the 0.05 level, † indicates significance at the 0.10 level.



Table 5. Yield and agronomic results from the OSU cotton official variety test, Caddo Research Station, Fort Cobb, OK 2017.

Entry	Lint yield	Grab sample turnout		Storm resistance	Final plant height
		Lint	Seed		
	lb/acre	-----%-----		visual scale (1=loose, 9=tight)	inches
Croplan CL 9598 B3XF (Winfield United 17XL8B3XF)	1484	28.3	40.0	4.8	28
FiberMax FM 1830 GLT	1401	26.8	42.2	5.5	27
PhytoGen PHY 340 W3FE	1395	25.3	39.0	6.3	26
PhytoGen PHY 300 W3FE	1382	24.9	39.7	7.0	27
Deltapine DP 1845 B3XF (16R341B3XF)	1355	26.0	40.7	6.5	27
Deltapine DP 1646 B2XF	1337	27.5	39.2	4.8	28
FiberMax FM 2334 GLT	1337	26.1	41.6	4.0	28
Stoneville ST 5517 GLTP	1337	24.2	42.6	5.5	28
MON16R346B3XF	1327	24.8	39.6	5.8	29
PhytoGen PX4A57W3FE	1324	25.2	37.4	6.3	28
PhytoGen PX3A99W3FE	1321	23.8	40.6	6.0	28
PhytoGen PHY 330 W3FE	1305	24.8	39.1	6.3	28
PhytoGen 480 W3FE (PX4A52W3FE)	1304	23.7	40.3	5.3	28
PhytoGen PHY 450 W3FE	1301	23.3	41.5	5.5	28
PhytoGen PHY 490 W3FE	1293	23.7	39.7	5.5	28
Deltapine DP 1820 B3XF (16R324B3XF)	1287	27.4	39.8	6.5	28
PhytoGen PHY 444 WRF	1271	26.1	40.5	6.0	29
PhytoGen PX4A54W3FE	1256	25.3	40.6	4.5	26
Deltapine DP 1639 B2XF	1250	26.2	38.8	4.0	28
Deltapine DP 1518 B2XF	1245	24.7	41.5	5.0	28
NexGen NG 3406 B2XF	1237	25.1	42.1	5.8	29
PhytoGen 440 W3FE (PX4A62W3FE)	1206	23.7	39.1	6.3	26
PhytoGen PX2A31W3FE	1178	24.2	41.6	8.0	24
Croplan CG 3475 B2XF	1170	25.5	42.7	5.8	26
NexGen NG 5007 B2XF	1169	25.3	41.2	3.8	29
NexGen NG 4601 B2XF	1164	25.5	39.4	5.3	28
FiberMax FM 2007 GLT	1137	23.9	44.6	6.0	25
PhytoGen PHY 312 WRF	1130	23.7	41.0	5.8	28
Deltapine DP 1044B2RF	1112	23.5	42.9	4.8	29
Stoneville ST 5020 GLT	1102	23.7	42.0	4.8	29
PhytoGen PX3A96W3FE	1092	22.7	41.8	5.0	28
PhytoGen PX2A28W3FE	1069	22.3	41.8	5.8	25
Deltapine DP 1522 B2XF	1059	24.8	41.4	4.8	28
PhytoGen PX3A82W3FE	1038	23.9	40.3	5.5	27
NexGen NG 5711 B3XF (AMX1711B3XF)	994	24.3	41.5	5.8	30
NexGen NG 4689 B2XF	993	23.3	41.6	6.8	29
FiberMax FM 1900 GLT	987	24.3	43.6	7.3	25
AMX1717B2XF	986	24.2	42.2	5.0	31
NexGen NG 3699 B2XF	935	23.2	43.0	6.8	29
NexGen NG 4545 B2XF	931	24.0	42.8	6.5	28
FiberMax FM 1911 GLT	885	24.1	42.3	8.0	26
Test average	1197	24.7	41.1	5.7	28
CV, %	12.9	3.0	2.2	13.6	8.2
OSL	<0.0001	<0.0001	<0.0001	<0.0001	0.0179
LSD	216	1.2	1.4	1.1	3

CV - coefficient of variation.

OSL - observed significance level, or probability of a greater F value.

LSD - least significant difference at the 0.05 level.



Table 6. Fiber property results for entries in the OSU cotton official variety test, Caddo Research Station, Fort Cobb, OK 2017.

Entry	Micronaire	Length	Staple	Strength	Uniformity	Elongation	Reflectance	Yellowness
	units	inches	32nds inch	g/tex	%	%	rd %	+b %
AMX1717B2XF	3.8	1.21	38.8	30.6	83.0	6.8	74.0	7.3
Croplan CG 3475 B2XF	3.9	1.16	37.0	32.1	83.0	7.9	75.5	7.4
Croplan CL 9598 B3XF (Winfield United 17XL8B3XF)	4.1	1.19	38.2	29.4	81.6	7.4	77.0	7.0
Deltapine DP 1044B2RF	3.0	1.20	38.3	32.0	82.0	7.9	75.2	7.1
Deltapine DP 1518 B2XF	3.3	1.21	38.6	30.7	82.7	6.3	76.5	6.5
Deltapine DP 1522 B2XF	3.6	1.16	37.2	31.1	82.1	8.3	76.0	7.4
Deltapine DP 1639 B2XF	3.8	1.17	37.5	32.4	83.2	7.4	75.8	7.3
Deltapine DP 1646 B2XF	3.1	1.23	39.5	30.1	81.5	7.1	78.1	6.7
Deltapine DP 1820 B3XF (16R324B3XF)	3.9	1.24	39.8	33.5	83.0	5.2	77.2	7.0
Deltapine DP 1845 B3XF (16R341B3XF)	3.2	1.26	40.3	32.1	82.7	8.1	76.8	6.7
FiberMax FM 1830 GLT	3.6	1.25	39.9	32.0	83.2	5.2	77.8	6.6
FiberMax FM 1900 GLT	3.6	1.21	38.8	32.6	82.2	5.5	75.1	6.9
FiberMax FM 1911 GLT	3.2	1.18	37.7	32.5	82.2	6.3	77.8	7.3
FiberMax FM 2007 GLT	3.4	1.24	39.8	33.4	82.7	5.9	77.1	6.4
FiberMax FM 2334 GLT	3.7	1.25	40.1	32.3	83.2	5.6	77.8	6.8
MON16R346B3XF	3.1	1.26	40.4	30.9	82.7	8.2	76.3	6.6
NexGen NG 3406 B2XF	3.6	1.16	37.0	30.5	82.5	7.9	76.4	7.7
NexGen NG 3699 B2XF	3.5	1.20	38.3	30.4	80.4	5.7	75.7	7.5
NexGen NG 4545 B2XF	3.4	1.18	37.7	32.8	82.1	5.2	74.4	7.0
NexGen NG 4601 B2XF	3.6	1.19	38.1	32.9	82.4	6.7	77.3	6.9
NexGen NG 4689 B2XF	3.5	1.18	37.8	32.8	81.9	5.2	74.8	7.8
NexGen NG 5007 B2XF	3.6	1.15	36.7	28.5	80.3	7.5	76.9	7.4
NexGen NG 5711 B3XF (AMX1711B3XF)	2.9	1.20	38.5	29.7	79.5	6.5	75.7	7.4
PhytoGen 440 W3FE (PX4A62W3FE)	3.3	1.19	38.2	31.8	80.6	6.6	76.9	7.2
PhytoGen 480 W3FE (PX4A52W3FE)	3.4	1.17	37.4	31.1	82.5	7.2	77.1	7.7
PhytoGen PHY 300 W3FE	3.5	1.17	37.4	30.8	82.5	6.7	75.2	8.0
PhytoGen PHY 312 WRF	3.2	1.19	38.2	30.3	82.0	6.8	75.2	7.3
PhytoGen PHY 330 W3FE	3.5	1.18	37.9	31.9	82.1	6.5	75.5	7.8
PhytoGen PHY 340 W3FE	3.3	1.16	37.2	30.1	81.9	6.4	75.2	7.5
PhytoGen PHY 444 WRF	3.0	1.26	40.4	31.7	83.2	5.9	78.1	7.3
PhytoGen PHY 450 W3FE	3.7	1.14	36.5	34.2	82.9	8.3	75.6	7.8
PhytoGen PHY 490 W3FE	3.6	1.17	37.3	31.3	82.6	8.4	75.4	7.8
PhytoGen PX2A28W3FE	3.5	1.24	39.6	33.0	82.4	5.3	76.9	7.0
PhytoGen PX2A31W3FE	4.2	1.19	38.0	35.6	84.6	5.7	77.4	6.8
PhytoGen PX3A82W3FE	3.3	1.16	37.1	33.3	83.8	7.5	75.4	7.2
PhytoGen PX3A96W3FE	3.5	1.19	38.0	30.8	82.2	6.6	77.4	7.0
PhytoGen PX3A99W3FE	3.5	1.18	37.9	32.1	82.4	7.2	76.0	8.2
PhytoGen PX4A54W3FE	3.7	1.18	37.8	32.8	83.6	6.7	76.5	7.9
PhytoGen PX4A57W3FE	3.3	1.12	35.9	32.3	82.4	7.2	75.9	8.3
Stoneville ST 5020 GLT	3.4	1.23	39.3	31.2	82.1	7.0	74.7	7.1
Stoneville ST 5517 GLTP	3.4	1.18	37.7	34.0	81.8	6.4	77.1	7.1
Test average	3.5	1.19	38.2	31.8	82.3	6.7	76.3	7.3
CV, %	7.2	1.7	1.7	3.9	1.1	5.7	1.3	4.6
OSL	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
LSD	0.4	0.03	1.1	2.0	1.5	0.6	1.6	0.5

CV - coefficient of variation.

OSL - observed significance level, or probability of a greater F value.

LSD - least significant difference at the 0.05 level, † indicates significance at the 0.10 level.