



# Oklahoma State University

## 2008 Extension Cotton Variety Trial Results

### Irrigated Trials

<b>Location:</b>	Jackson-WOSC	<b>Plant Date:</b>	5/12/2008
<b>Soil Type:</b>	Clay Loam	<b>Harvest Date:</b>	10/31/08

Trt No.	Treatment Name	Gin %	Lint Yield lbs/Acre	Fiber Mic	Fiber Length	Fiber Uniformity	Fiber Strength
1	FM 1740 B2F	0.278	1683.2 a	4.6	1.18	83.1	32.7
2	ST 4498 B2F	0.272	1604 ab	4.3	1.15	84.2	31.8
3	ST 5458 B2F	0.262	1553.6 bc	4.8	1.15	83.6	33.7
4	ST 4554 B2F	0.267	1551.2 bc	4.4	1.12	83.4	31.3
5	DP 164 B2F	0.256	1498.5 cd	4.3	1.15	81.5	31.1
6	PHY 375 WRF	0.268	1488.4 cde	4.3	1.11	81.5	29.8
7	DP 0924 B2F	0.265	1487.7 cde	3.8	1.1	81	31.1
8	NG 3348 B2F	0.286	1473.2 c-f	4.3	1.1	82.9	31
9	DP 0935 B2F	0.261	1469.5 c-f	4.4	1.15	82.2	31.1
10	DP 141 B2F	0.257	1448.3 d-g	4.3	1.17	84.2	33.3
11	FM 9180 B2F	0.246	1438.6 d-h	4.6	1.17	83.4	33.4
12	FM 1880 B2F	0.249	1406 e-i	3.8	1.17	82.1	31.8
13	DP 0912 B2F	0.249	1385.6 f-i	4.2	1.14	81.4	31.4
14	DP 161 B2F	0.239	1379.4 g-j	4.2	1.22	83.6	32.3
15	ST 5327 B2F	0.242	1355.9 h-k	4.2	1.14	83.9	33.2
16	DG 2570 B2F	0.282	1349.7 h-k	4.1	1.14	82.4	30.4
17	FM 9160 B2F	0.239	1335.2 ijk	4	1.16	83.7	30.9
18	FM 9063 B2F	0.234	1332.7 ijk	4.3	1.2	82.9	33.8
19	NG 2549 B2F	0.251	1290.2 jk	4.4	1.07	83.1	30.4
20	PHY 485 WRF	0.232	1283.5 k	4	1.13	84.3	32.5

LSD (P=.05) 89.67  
 CV 4.4

<b>Location:</b>	Jackson-Felty	<b>Plant Date:</b>	5/15/2008
<b>Soil Type:</b>	Clay Loam	<b>Harvest Date:</b>	10/28/08

Trt No.	Treatment Name	Gin %	Lint Yield lbs/Acre	Fiber Mic	Fiber Length	Fiber Uniformity	Fiber Strength
1	DP 0924 B2F	0.303	1849.5 a	4.1	1.1	82.8	30
2	FM 1740 B2F	0.259	1675.4 ab	3.4	1.1	81.5	29.8
3	ST 4554 B2F	0.276	1671.1 b	4.2	1.13	82.2	29.6
4	ST 5458 B2F	0.271	1635 bc	4	1.15	83.5	30.1
5	PHY 375 WRF	0.27	1630.4 bc	3.9	1.12	81.7	28.5
6	FM 9160 B2F	0.277	1613.8 bcd	3.3	1.21	81.8	30
7	DP 0935 B2F	0.264	1602.8 b-e	3.8	1.13	81.6	29.3
8	ST 4498 B2F	0.267	1594.8 b-e	3.9	1.13	83.2	30.7
9	FM 9180 B2F	0.258	1574.8 b-f	4.1	1.17	83.5	31.2
10	NG 2549 B2F	0.268	1565.8 b-f	3.9	1.09	82.4	30.8
11	DP 0912 B2F	0.258	1555.1 b-f	4.2	1.09	82.4	29.3
12	DG 2570 B2F	0.254	1537.9 b-f	3.8	1.16	82.2	29.4
13	FM 1880 B2F	0.264	1536.7 b-f	3.7	1.17	82.4	30.1
14	ST 5327 B2F	0.255	1527.3 b-f	3.8	1.11	82.9	30.7
15	PHY 485 WRF	0.25	1481 c-f	4.2	1.15	82.8	30.2
16	DP 141 B2F	0.261	1462.4 c-f	4.2	1.16	81.7	30.4
17	FM 9063 B2F	0.251	1451.4 def	4.2	1.13	82.8	32.8
18	NG 3348 B2F	0.251	1450.1 def	3.8	1.14	83.8	30.6
19	DP 164 B2F	0.232	1430 ef	3.5	1.17	81.9	28
20	DP 161 B2F	0.254	1410.7 f	3.7	1.16	79.6	30.7

LSD (P=.05) 176.26



## Irrigated Trials-Continued

<b>Location:</b>	Jackson-OSU-SWREC	<b>Plant Date:</b>	5/13/2008
<b>Soil Type:</b>	Clay Loam	<b>Harvest Date:</b>	11/05/08

Trt No.	Treatment Name	Gin %	Lint Yield lbs/Acre	Fiber Mic	Fiber Length	Fiber Uniformity	Fiber Strength
1	DP 0935 B2F	0.269	1455.9 a	4.4	1.13	82.1	30.2
2	ST 5458 B2F	0.273	1369.1 ab	4.7	1.08	80.6	29.9
3	DP 0912 B2F	0.272	1355.2 abc	4.7	1.15	84.4	29.9
4	PHY 375 WRF	0.265	1352 abc	4.6	1.12	79.9	33.6
5	FM 1740 B2F	0.286	1309.7 bcd	5.2	1.13	84.6	31
6	DG 2570 B2F	0.269	1308 bcd	4.6	1.16	81.2	33.2
7	DP 0924 B2F	0.266	1303.5 bcd	4.5	1.07	79.6	30.6
8	DP 161 B2F	0.255	1299.6 b-e	4.7	1.13	83.7	31.7
9	ST 4498 B2F	0.254	1294.5 b-e	4.8	1.13	81.9	32.8
10	ST 4554 B2F	0.25	1279.6 b-e	4.4	1.18	83.6	34.6
11	DP 141 B2F	0.245	1243.3 c-f	4.2	1.13	82.6	32.4
12	PHY 485 WRF	0.247	1236 d-g	4.7	1.14	82.3	31.5
13	FM 9160 B2F	0.248	1232.9 d-g	4.2	1.13	80.5	30.6
14	DP 164 B2F	0.239	1190.7 e-h	4.9	1.11	83.2	31
15	NG 2549 B2F	0.245	1156.6 f-i	4.6	1.05	81.9	31.7
16	NG 3348 B2F	0.267	1151.4 f-i	4.5	1.1	81.7	31.9
17	ST 5327 B2F	0.262	1149.8 f-i	4.2	1.15	81.3	32.3
18	FM 1880 B2F	0.246	1125.2 ghi	4.6	1.09	82.4	31.4
19	FM 9063 B2F	0.235	1092.8 hi	4.1	1.19	83.5	34.2
20	FM 9180 B2F	0.234	1056.3 i	4.6	1.18	81.9	34.8

LSD (P=.05) 112.28

CV 6.36

<b>Location:</b>	Beckham-Gamble	<b>Plant Date:</b>	5/19/2008
<b>Soil Type:</b>	Sandy Loam	<b>Harvest Date:</b>	11/18/08

Trt No.	Treatment Name	Gin %	Lint Yield lbs/Acre	Fiber Mic	Fiber Length	Fiber Uniformity	Fiber Strength
1	DG 2570 B2F	0.24	1591.7 a	3.3	1.11	80.7	28.4
2	DP 0935 B2F	0.246	1576.5 a	3.1	1.12	81	30
3	FM 9180 B2F	0.231	1547.1 ab	3.6	1.2	81.4	32.5
4	ST 5458 B2F	0.22	1539.9 ab	3.2	1.14	81.1	31.2
5	PHY 485 WRF	0.22	1527.3 abc	3.2	1.1	83.9	31.1
6	PHY 375 WRF	0.237	1512.6 a-d	3.4	1.13	82.8	29.2
7	DP 0912 B2F	0.234	1455.1 a-e	3.7	1.11	82	28.9
8	FM 9063 B2F	0.254	1427.3 a-e	3.7	1.21	83.4	31
9	NG 2549 B2F	0.236	1421.2 a-e	3.7	1.07	83.9	31.1
10	NG 3348 B2F	0.244	1412.3 a-f	3.5	1.13	82.7	31.3
11	DP 0924 B2F	0.23	1343.8 b-g	3.3	1.12	81.8	29.4
12	FM 1880 B2F	0.218	1322.3 b-g	3.1	1.19	82	31.5
13	ST 4498 B2F	0.242	1305.3 c-g	3.6	1.13	83.2	31.4
14	FM 1740 B2F	0.216	1293.7 d-g	3	1.11	81.9	30.7
15	ST 4554 B2F	0.25	1275.4 efg	3.4	1.12	84	30.3
16	FM 9160 B2F	0.246	1246.5 efg	3	1.18	83.6	29.9
17	DP 141 B2F	0.205	1185.4 fgh	2.8	1.17	82.8	32.6
18	ST 5327 B2F	0.225	1171.9 gh	3	1.12	81.1	29.5
19	DP 164 B2F	0.187	988.1 hi	2.9	1.2	82	30.5
20	DP 161 B2F	0.17	865.8 i	2.9	1.15	80.4	29.7

LSD (P=.05) 231.09



### Dryland Trials

<b>Location:</b>		Jackson-Felty	<b>Plant Date:</b>		6/12/2008		
<b>Soil Type:</b>		Clay Loam	<b>Harvest Date:</b>		11/12/08		
Trt No.	Treatment Name	Gin %	Lint Yield lbs/Acre	Fiber Mic	Fiber Length	Fiber Uniform	Fiber Strength
1	DP 0935 B2F	0.223	546.8 a	3.7	1.16	80.4	29.1
2	FM 1740 B2F	0.262	537.8 a	4	1.13	81.8	31.8
3	DP 161 B2F	0.261	534.2 a	4.1	1.07	81.4	28
4	DP 174 F	0.268	522.4 ab	4.2	1.1	81.2	27.4
5	FM 9063 B2F	0.244	511.5 abc	3.6	1.21	81.6	32.7
6	NG 2549 B2F	0.256	504.6 a-d	4.2	1.09	83.4	30.7
7	ST 4554 B2F	0.246	501 a-d	3.9	1.15	80.5	32.1
8	MCS 0702 B2F	0.227	489.5 a-e	3.4	1.13	83.8	30
9	FM 9160 B2F	0.225	457 b-f	3.8	1.2	84.7	31.7
10	DG 2100 B2F	0.213	455.8 b-f	3.3	1.1	82.2	27.2
11	FM 9180 B2F	0.221	453.7 b-f	4.2	1.14	81.7	31.4
12	PHY 375 WRF	0.22	444.4 c-g	3.1	1.13	82.8	29.7
13	ST 5458 B2F	0.228	442 c-g	3.4	1.19	81.3	31.4
14	DG 2520 B2F	0.203	439.9 c-g	3.4	1.12	82.1	29.2
15	ST 4498 B2F	0.228	435.8 d-g	3.8	1.16	84.2	32.5
16	AFD 5065 B2F	0.214	432.3 d-g	3.9	1.15	81.6	30.1
17	DP 141 B2F	0.231	427.7 e-h	3.3	1.18	81.2	30.3
18	NG 3348 B2F	0.239	419 e-h	4	1.15	82.4	30.9
19	ST 5327 B2F	0.219	395.9 fgh	3.2	1.12	81.9	29.9
20	FM 1880 B2F	0.212	393.6 fgh	3.2	1.14	82.2	30
21	FM 9058 F	0.216	391.6 fgh	3.8	1.17	81.5	30.9
22	PHY 485 WRF	0.208	390.7 fgh	3.4	1.16	83.3	32.3
23	DP 147 F	0.197	385.1 fgh	3.4	1.16	82	30.6
24	AFD 5064 F	0.223	378.8 gh	4.3	1.07	80.8	31.8
25	NG 3410 F	0.221	357.4 h	3.6	1.16	82.6	30.2
LSD (P=.05)			72.98				
CV			11.47				



### Dryland Trials-Continued

<b>Location:</b>	Tillman-McKinley	<b>Plant Date:</b>	5/19/2008
<b>Soil Type:</b>	Sandy Loam	<b>Harvest Date:</b>	11/04/08

Trt No.	Treatment Name	Gin %	Lint Yield lbs/Acre	Fiber Mic	Fiber Length	Fiber Uniformity	Fiber Strength
1	DP 141 B2F	0.296	1242.1 a	4.9	1.13	83	30.3
2	ST 4554 B2F	0.303	1218.7 ab	5.2	1.09	82.1	29.3
3	DP 174 F	0.31	1136.6 abc	5	1.06	81.9	28.6
4	ST 5458 B2F	0.296	1134.7 abc	5.2	1.1	81.7	30.4
5	ST 5327 B2F	0.301	1127.6 abc	4.7	1.11	82.8	30.7
6	NG 3348 B2F	0.266	1123.9 abc	4.7	1.08	83.1	29
7	ST 4498 B2F	0.283	1115.6 abc	5	1.13	84.3	32.2
8	NG 2549 B2F	0.281	1097.6 abc	4.8	1.01	81.7	31.2
9	FM 9180 B2F	0.279	1087.7 abc	4.6	1.11	83.1	30.9
10	FM 9160 B2F	0.277	1083.9 a-d	4.8	1.12	83.3	29.4
11	FM 1740 B2F	0.296	1076.6 a-e	4.8	1.1	81	30.9
12	PHY 485 WRF	0.287	1071 a-e	5	1.22	81.8	29.7
13	NG 3410 F	0.272	1068.3 a-e	4.5	1.1	81.9	28.7
14	DP 0935 B2F	0.289	1051.2 a-e	4.8	1.04	81	28
15	MCS 0702 B2F	0.319	1049.1 a-e	5	1.02	83.5	28.4
16	DP 161 B2F	0.271	1042.8 a-e	5	1.15	81.8	31.2
17	FM 9058 F	0.278	1037.4 a-e	4.9	1.17	84.8	32.1
18	FM 1880 B2F	0.273	1032.6 b-e	4.7	1.11	80.9	28.2
19	PHY 375 WRF	0.292	1028.2 b-e	4.9	1.03	81.5	27.9
20	DP 147 F	0.292	1017.6 b-e	4.6	1.09	79.4	27.4
21	DG 2520 B2F	0.277	959.3 cde	4.9	1.1	83.6	27.4
22	FM 9063 B2F	0.257	942.2 cde	4.7	1.13	83.8	34.1
23	AFD 5064 F	0.249	932.8 cde	4.9	1.04	81.9	30.2
24	AFD 5065 B2F	0.246	878.7 de	4.5	1.08	81.9	29
25	DG 2100 B2F	0.267	870.4 e	4.6	1.06	84.4	27.2
LSD (P=.05)			208.88				
CV			11.97				



### Dryland Trials-Continued

<b>Location:</b>	Washita-Davis	<b>Plant Date:</b>	6/11/2008
<b>Soil Type:</b>	Sandy Loam	<b>Harvest Date:</b>	11/06/08

Trt No.	Treatment Name	Gin %	Lint Yield lbs/Acre	Fiber Mic	Fiber Length	Fiber Uniformity	Fiber Strength
1	DP 174 F	0.28	1210.5 a	3.9	1.14	82.2	27.6
2	ST 5458 B2F	0.248	1004.7 b	3.9	1.15	81.2	29.7
3	NG 2549 B2F	0.267	997.3 bc	3.9	1.1	83.5	29.8
4	ST 4498 B2F	0.263	992.4 bc	3.8	1.17	84.1	29.7
5	DP 0935 B2F	0.268	974.8 bcd	4	1.06	81.6	28
6	ST 5327 B2F	0.252	950.9 b-e	3.6	1.15	84	32.8
7	PHY 375 WRF	0.266	931.3 b-f	3.4	1.12	83	28.4
8	DP 147 F	0.249	912.5 b-f	3.6	1.18	82.1	29.6
9	DG 2100 B2F	0.246	906.8 b-f	3.4	1.09	82.4	25.6
10	FM 1880 B2F	0.246	901.5 b-g	3.5	1.2	82.9	30.7
11	FM 1740 B2F	0.248	877.7 c-h	4	1.15	83.4	31.5
12	MCS 0702 B2F	0.233	860.2 d-i	4	1.19	83.4	32.1
13	DP 141 B2F	0.24	853.3 d-i	4	1.18	83.6	31.3
14	NG 3410 F	0.247	841.9 e-i	4	1.2	84.3	32.4
15	FM 9063 B2F	0.242	840.7 e-i	3.9	1.2	84	32.7
16	FM 9160 B2F	0.231	821.3 f-i	3.1	1.21	84	32.6
17	ST 4554 B2F	0.223	818.4 f-i	3.5	1.12	82.5	28.3
18	FM 9180 B2F	0.243	815.1 f-i	3.2	1.22	84.8	32.2
19	FM 9058 F	0.242	811.7 f-i	3.8	1.25	84	31.4
20	NG 3348 B2F	0.252	809.6 f-i	4.4	1.18	84.3	31.2
21	PHY 485 WRF	0.215	778.5 g-j	3.4	1.13	82.7	30.9
22	AFD 5065 B2F	0.217	775.1 hij	3.7	1.16	83.7	28.5
23	AFD 5064 F	0.236	762 hij	4.9	1.11	82.2	31.6
24	DG 2520 B2F	0.213	746.9 ij	3.2	1.14	82	28.4
25	DP 161 B2F	0.222	676.9 j	3.5	1.2	83	30.7
LSD (P=.05)			125.56				
CV			10.15				



## Dryland Trials-Continued

<b>Location:</b>	Washita-Johnson	<b>Plant Date:</b>	6/11/2008
<b>Soil Type:</b>	Sandy Loam	<b>Harvest Date:</b>	12/05/08

Trt No.	Treatment Name	Gin %	Lint Yield lbs/Acre	Fiber Mic	Fiber Length	Fiber Uniformity	Fiber Strength
1	FM 1740 B2F	0.25	1221 a	3.1	1.08	80.3	27.5
2	ST 5327 B2F	0.27	1162.9 ab	3.6	1.11	82.6	29.9
3	FM 9058 F	0.232	1104.4 abc	3.3	1.18	83.2	30.8
4	AFD 5064 F	0.223	1046.7 bcd	4	1.11	83.7	32.2
5	FM 1880 B2F	0.219	1044.6 bcd	3.1	1.19	82.5	28.5
6	PHY 375 WRF	0.228	1025.4 b-e	3.1	1.12	83.3	28.8
7	ST 4554 B2F	0.238	1025.1 b-e	3.3	1.14	83.4	29.3
8	ST 4498 B2F	0.247	1018.1 b-e	3	1.09	82.3	31.1
9	NG 2549 B2F	0.216	1003.2 cde	3.3	1.09	81.6	28.5
10	FM 9180 B2F	0.24	982.6 cde	3.5	1.19	83.8	33.6
11	FM 9063 B2F	0.231	976.4 cde	3.2	1.19	82.3	30.5
12	NG 3410 F	0.226	966 cde	2.9	1.14	81.3	29.6
13	ST 5458 B2F	0.243	963.2 cde	3.2	1.1	79.6	28.1
14	NG 3348 B2F	0.217	960.6 c-f	3	1.15	83	35.5
15	PHY 485 WRF	0.199	943.8 def	3.2	1.1	82.6	29.3
16	FM 9160 B2F	0.216	925.6 d-g	2.9	1.16	82.8	30.6
17	MCS 0702 B2F	0.185	913.4 d-g	2.5	1.09	81.1	27.5
18	AFD 5065 B2F	0.192	906.4 d-g	3.4	1.11	80.8	30.2
19	DG 2100 B2F	0.193	881.7 efg	2.8	1.11	82.1	26.8
20	DP 0935 B2F	0.186	802.1 fgh	3.2	1.16	82.8	28.4
21	DP 174 F	0.197	780.1 ghi	2.8	1.17	82.8	27.2
22	DG 2520 B2F	0.17	698.9 hij	3.1	1.16	80.4	27.5
23	DP 147 F	0.159	690.9 hij	2.5	1.18	80.2	27.8
24	DP 141 B2F	0.161	641.7 ij	2.6	1.2	82.2	30.1
25	DP 161 B2F	0.15	574.2 j	2.7	1.16	80.6	30.1
LSD (P=.05)			159.64				
CV			12.13				



## Dryland Trials-Continued

<b>Location:</b>		Custer-Shepard		<b>Plant Date:</b>		5/14/2008	
<b>Soil Type:</b>		Sandy Loam		<b>Harvest Date:</b>		11/13/08	
Trt No.	Treatment Name	Gin %	Lint Yield lbs/Acre	Fiber Mic	Fiber Length	Fiber Uniformity	Fiber Strength
1	ST 5458 B2F	0.26	1230.2 a	5.7	1.08	79.1	27
2	ST 4554 B2F	0.27	1201.1 ab	5.3	0.97	80.1	27.5
3	DP 0935 B2F	0.262	1191.2 ab	4.3	1.08	79.9	27.2
4	FM 9160 B2F	0.262	1158.4 abc	4.8	1.12	81.8	30.1
5	ST 4498 B2F	0.26	1155.2 abc	3.9	1.11	81.7	30.9
6	DP 147 F	0.258	1147.7 abc	4.3	1.12	80.3	26.5
7	FM 1740 B2F	0.277	1141.8 a-d	5.2	1.08	80.5	29.2
8	ST 5327 B2F	0.244	1134.6 a-e	4.8	1.11	82.3	30.6
9	AFD 5064 F	0.249	1106.3 a-f	4.5	1.03	79.5	28
10	DP 174 F	0.25	1091.7 a-f	4.7	1.15	80.7	27.6
11	PHY 485 WRF	0.237	1076.2 a-g	5.4	1.09	82.2	28.2
12	DG 2520 B2F	0.236	1048.6 b-h	3.7	1.14	81.6	27.3
13	DP 141 B2F	0.236	1046 b-h	4.6	1.15	80.3	29
14	FM 9063 B2F	0.241	1030.1 b-h	5.1	1.05	79.1	26.2
15	FM 1880 B2F	0.232	1014.4 c-h	4.2	1.12	82	31.7
16	FM 9180 B2F	0.26	999.5 c-h	4.6	1.1	80.9	30.3
17	DP 161 B2F	0.204	971.4 d-i	3.9	1.09	81.1	28.2
18	NG 3348 B2F	0.256	966 e-i	4.8	1.03	80.7	28.9
19	MCS 0702 B2F	0.229	952.6 f-i	4.6	1.08	82.1	28.4
20	FM 9058 F	0.224	917.2 ghi	4.3	1.19	82.2	28.9
21	NG 2549 B2F	0.229	906.5 ghi	5.2	0.99	81.7	26.9
22	DG 2100 B2F	0.199	888.5 hi	4.1	1.07	82.6	25.7
23	PHY 375 WRF	0.237	885.3 hi	4.4	1.13	82.1	27.5
24	NG 3410 F	0.255	881.7 hi	4.7	1.06	79.8	28.6
25	AFD 5065 B2F	0.208	798.5 i	4.7	1.01	79.8	27.1
LSD (P=.05)			173.41				
CV			11.82				

