

2020 Mississippi State Extension

Preliminary On-Farm Cotton Demonstration
Trials Data

<i>Location</i>	<i>Grower</i>	<i>MSU Agronomist</i>
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Slot #	Criteria/Company	Variety
1	At – Large Entry – Crop Production Services/Dyna-Gro	DG 3520 B2XF
2	At – Large Entry – BASF	ST 4990B2XF
3	Delta and Pine Land	DP 1646 B2XF
4	Delta and Pine Land	DP 2012 B3XF
5	Delta and Pine Land	DP 2038 B3XF
6	Americot	NG 4098 B3XF
7	Americot	NG 4936 B3XF
8	Phytogen Cottonseed	PHY 390 W3FE
9	Phytogen Cottonseed	PHY 400 W3FE
10	Phytogen Cottonseed	PHY 443 W3FE

Table 1. Yield and fiber quality data pooled across 16 locations.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
PHY 443 W3FE	1188	40.3	4.5	1.21	32.2	84.3	4.2
DP 2038 B3XF	1139	43.9	4.6	1.19	31.7	82.4	3.6
PHY 400 W3FE	1136	40.3	4.2	1.23	34.4	83.9	5.0
DP 2012 B3XF	1134	38.2	4.3	1.23	31.8	83.7	4.7
DP 1646 B2XF	1118	41.1	4.4	1.25	31	83.3	3.8
PHY 390 W3FE	1110	39.7	4.4	1.21	32.1	82.9	4.5
ST 4990 B3XF	1105	38.9	4.5	1.23	30.8	84.2	3.8
NG 4936 B3XF	1058	37.6	4.4	1.24	31.3	84.4	4.2
DG 3520 B2XF	1040	37.9	4	1.25	31.4	84.3	5.6
NG 4098 B3XF	998	37.5	4.3	1.26	34.1	84	5.3
Grand Mean	1103	39.5	4.4	1.23	32.08	83.74	4.5
LSD (0.05)	64	1.4	0.1	0.02	0.9	0.5	0.5

*Yield in bold type are not significantly different from the highest yielding variety.

Table 2. Yield and fiber quality data pooled over seven Delta locations

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
PHY 443 W3FE	1496	41.4	4.6	1.21	32.9	84.0	4.2
PHY 400 W3FE	1369	41.5	4.2	1.23	32.7	84.3	5.0
PHY 390 W3FE	1352	40.5	4.2	1.20	32.1	81.9	5.0
DP 2012 B3XF	1290	38.4	4.3	1.24	30.9	83.7	4.5
DP 2038 B3XF	1216	44.7	4.5	1.89	32.0	82.0	3.7
DP 1646 B2XF	1203	40.8	4.3	1.28	31.1	83.5	4.2
NG 4936 B3XF	1190	37.4	4.4	1.26	31.0	84.7	4.1
ST 4990 B3XF	1190	37.5	4.3	1.25	30.4	84.6	4.4
DG 3520 B2XF	1143	37.0	4.0	1.26	31.5	84.2	6.4
NG 4098 B3XF	1100	37.7	4.2	1.29	33.9	84.0	5.8
Grand Mean	1255	39.7	4.3	1.31	31.8	83.7	4.7
LSD (0.05)	92	1.9	0.2	0.03	1.3	0.7	0.7

*Yield in bold type are not significantly different from the highest yielding variety.

Table 3. Yield and fiber quality data pooled over nine Hill region locations.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
DP 2038 B3XF	1089	43.4	4.7	1.18	31.5	82.6	3.5
DP 1646 B2XF	1062	41.4	4.5	1.23	31.0	83.1	3.5
ST 4990 B3XF	1049	39.9	4.5	1.22	31.1	84.0	3.4
DP 2012 B3XF	1025	38.0	4.3	1.22	32.4	83.8	4.9
PHY 443 W3FE	1007	39.8	4.5	1.20	32.0	84.4	4.2
PHY 400 W3FE	995	39.7	4.3	1.23	35.0	83.7	5.0
DG 3520 B2XF	970	38.5	4.1	1.23	31.3	84.3	5.0
NG 4936 B3XF	967	37.7	4.4	1.23	31.6	84.2	4.2
PHY 390 W3FE	963	39.3	4.4	1.22	32.1	83.3	4.3
NG 4098 B3XF	928	37.4	4.4	1.24	34.3	83.9	5.0
Grand Mean	1006	39.5	4.4	1.22	32.2	83.7	4.3
LSD (0.05)	75	1.9	0.2	0.02	1.2	0.6	0.6

*Yield in bold type are not significantly different from the highest yielding variety.

Table 4. Yield and fiber quality data pooled over eight irrigated locations

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
PHY 443 W3FE	1289	40.2	4.8	1.21	33.6	84.2	4.2
PHY 400 W3FE	1214	40.8	4.4	1.23	33.8	84.2	5.0
PHY 390 W3FE	1207	39.9	4.4	1.21	33.3	82.8	5.0
DP 2012 B3XF	1164	38.0	4.5	1.24	31.5	83.8	4.4
DP 2038 B3XF	1106	44.0	4.7	1.18	33.2	82.4	3.8
DP 1646 B2XF	1092	40.3	4.5	1.28	31.7	83.7	4.2
NG 4936 B3XF	1069	36.9	4.5	1.26	32.0	85.0	4.3
ST 4990 B3XF	1061	36.7	4.5	1.25	31.2	84.7	4.2
DG 3520 B2XF	1022	36.8	4.1	1.26	32.2	84.5	6.3
NG 4098 B3XF	984	37.2	4.4	1.29	35.0	84.3	6.0
Grand Mean	1121	39.1	4.5	1.24	32.8	84.0	4.7
LSD (0.05)	84	1.6	0.1	0.02	1.1	0.6	0.6

*Yield in bold type are not significantly different from the highest yielding variety.

Table 5. Yield and fiber quality data pooled over eight dryland locations.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
DP 2038 B3XF	1101	43.6	4.7	1.19	30.9	82.5	3.4
ST 4990 B3XF	1078	40.8	4.5	1.21	31.0	83.9	3.5
DP 1646 B2XF	1073	41.6	4.5	1.23	31.0	83.0	3.5
DP 2012 B3XF	1034	38.1	4.3	1.22	32.6	84.0	4.8
PHY 443 W3FE	1029	40.3	4.4	1.19	31.6	84.4	4.2
PHY 400 W3FE	996	39.8	4.2	1.23	35.1	83.7	5.0
DG 3520 B2XF	986	38.6	4.1	1.23	31.2	84.2	4.9
NG 4936 B3XF	976	38.0	4.4	1.22	31.3	84.0	4.1
PHY 390 W3FE	953	39.4	4.4	1.21	31.5	83.1	4.1
NG 4098 B3XF	941	37.5	4.4	1.24	33.9	83.9	4.7
Grand Mean	1017	39.8	4.4	1.22	32.0	83.7	4.2
LSD (0.05)	85	2.1	0.2	0.02	1.3	0.7	0.7

*Yield in bold type are not significantly different from the highest yielding variety.

Table 6. Yield and fiber quality data at Brooksville.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
ST 4990 B3XF	507	44.3	4.6	1.13	33	83.4	3
DP 2038 B3XF	503	42.1	4.7	1.22	29.5	82.5	3
DG 3520 B2XF	471	40.7	4.5	1.15	30.7	82.7	4
DP 1646 B2XF	449	44.7	4.6	1.12	30.6	82.2	2
NG 4098 B3XF	446	41.1	4.4	1.17	34.2	83.5	4
NG 4936 B3XF	437	41.2	4.4	1.13	29.7	83	4
PHY 400 W3FE	390	37.7	4.3	1.21	37	83.2	5
PHY 443 W3FE	389	38.4	4.2	1.18	28.8	83.3	4
PHY 390 W3FE	373	39.1	4.6	1.19	29.4	84	3
DP 2012 B3XF	339	32.6	3.9	1.19	32	84	6
Grand Mean	430	40.2	4.4	1.17	31.5	83.2	3.8
LSD (0.05)	95	•	•	•	•	•	•

*Yield in bold type are not significantly different from the highest yielding variety.

Table 7. Yield and fiber quality data at Coffeerville.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
DP 1646 B2XF	1280	41.7	4.6	1.22	29.4	82.6	4
DP 2038 B3XF	1249	44.3	4.8	1.14	31.8	81.7	4
ST 4990 B3XF	1239	37.5	4.7	1.24	29.9	83.3	3
DP 2012 B3XF	1215	39.5	4.4	1.22	31.5	83.9	5
NG 4098 B3XF	1079	38.7	4.3	1.26	34.5	84.5	7
DG 3520 B2XF	1057	37.3	4.1	1.27	30	84.5	5
NG 4936 B3XF	931	29.7	4.6	1.23	29.6	84.5	3
Grand Mean	1150	38.4	4.5	1.23	31.0	83.6	4.4
LSD (0.05)	175	•	•	•	•	•	•

*Yield in bold type are not significantly different from the highest yielding variety.

Phytogen varieties omitted per the growers request

Table 8. Yield and fiber quality data at Crawford.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
DP 2038 B3XF	989	41.9	4.8	1.16	35.8	83.1	4
DP 1646 B2XF	977	39.6	4.8	1.3	31.1	83.9	4
PHY 390 W3FE	963	38.9	4.5	1.24	35	84.5	5
DP 2012 B3XF	949	37.9	5	1.22	31.2	83.8	4
PHY 400 W3FE	940	39.3	4.7	1.23	35.1	83.9	5
NG 4936 B3XF	890	36.0	4.4	1.27	33.4	85.4	5
PHY 443 W3FE	859	37.3	5.1	1.22	34.1	84.6	4
DG 3520 B2XF	844	38.2	4.1	1.26	32.3	85	6
ST 4990 B3XF	831	34.2	4.5	1.25	31.8	84.6	3
NG 4098 B3XF	830	37.0	4.8	1.28	37.1	84.6	7
Grand Mean	907	38.0	4.7	1.24	33.7	84.3	4.7
LSD (0.05)	104	•	•	•	•	•	•

*Yield in bold type are not significantly different from the highest yielding variety.

Table 9. Yield and fiber quality data at Delta Island.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
DP 2012 B3XF	1414	39.0	4.2	1.27	29.6	83.9	4
ST 4990 B3XF	1410	37.2	4.3	1.25	29.7	84.9	5
NG 4936 B3XF	1408	37.2	4.3	1.26	31.3	85.8	4
DG 3520 B2XF	1344	36.3	4	1.29	30.6	84.1	6
DP 2038 B3XF	1321	41.8	4.3	1.18	33	81.7	4
DP 1646 B2XF	1297	39.0	4.2	1.28	31.3	84	5
NG 4098 B3XF	1232	34.9	4.1	1.31	34.8	84	6
Grand Mean	1347	37.9	4.2	1.26	31.5	84.1	4.9
LSD (0.05)	NSD	•	•	•	•	•	•

*Yield in bold type are not significantly different from the highest yielding variety.

Phytogen varieties omitted per the growers request

Table 10. Yield and fiber quality data at Edwards.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
PHY 443 W3FE	1321	41.4	4.3	1.2	31.4	83.4	4
DP 2012 B3XF	1307	41.0	4.4	1.24	32.1	82.5	4
DP 1646 B2XF	1260	41.1	4	1.24	29.4	81.9	3
PHY 400 W3FE	1213	40.2	3.9	1.22	34.9	83.1	5
NG 4098 B3XF	1143	37.8	4.3	1.22	29.6	84.3	3
DP 2038 B3XF	1137	42.9	3.9	1.12	29.7	79.4	3
PHY 390 W3FE	1131	39.7	3.7	1.19	33.3	82.3	4
DG 3520 B2XF	1097	37.8	3.7	1.24	31.5	84	6
ST 4990 B3XF	1093	38.2	4.4	1.25	30.6	84.8	3
NG 4936 B3XF	1007	39.5	4.3	1.23	31.8	83.7	5
Grand Mean	1171	40.0	4.1	1.22	31.4	82.9	4.0

*Yield in bold type are not significantly different from the highest yielding variety.

Table 11. Yield and fiber quality data at Ellistown.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
DP 1646 B2XF	1103	40.0	4.6	1.23	30.5	82.7	4
DP 2038 B3XF	1091	46.8	4.9	1.18	32.3	84.5	3
NG 4936 B3XF	1061	41.5	4.8	1.22	32.3	84.6	4
DP 2012 B3XF	1031	39.4	4.6	1.22	33.4	85.4	4
ST 4990 B3XF	1015	40.5	4.9	1.19	30.1	83.1	4
DG 3520 B2XF	823	36.9	4.1	1.25	31.2	85.1	6
NG 4098 B3XF	730	31.3	4.5	1.24	36.8	85.4	4
Grand Mean	979	39.5	4.6	1.22	32.4	84.4	4.1
LSD (0.05)	NSD	•	•	•	•	•	•

*Yield in bold type are not significantly different from the highest yielding variety.

Phytogen varieties omitted per the growers request

Table 12. Yield and fiber quality data at Greenwood.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
PHY 443 W3FE	1558	42.1	4.7	1.21	32.5	83.6	4
PHY 400 W3FE	1382	41.0	4.2	1.23	32.6	84.5	5
PHY 390 W3FE	1311	40.6	4.2	1.18	31.7	81.1	5
DP 2038 B3XF	1233	49.6	4.5	1.18	32.4	82.2	4
DP 2012 B3XF	1162	34.0	4.2	1.25	31.5	83.7	5
DP 1646 B2XF	1129	41.4	4.2	1.28	32.1	83.2	4
ST 4990 B3XF	1068	37.9	4.6	1.25	29.8	84.8	4
DG 3520 B2XF	1062	36.3	3.9	1.27	30.5	84.3	7
NG 4936 B3XF	1024	36.4	4.6	1.25	31.3	84.6	4
NG 4098 B3XF	997	38.1	4.2	1.29	33.6	83.4	6
Grand Mean	1193	39.7	4.3	1.24	31.8	83.5	4.8
LSD (0.05)	108	•	•	•	•	•	•

*Yield in bold type are not significantly different from the highest yielding variety.

Table 13. Yield and fiber quality data at Louise.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
DP 2012 B3XF	1273	43.0	4.6	1.24	31.3	83	5
DP 2038 B3XF	1251	41.4	4.5	1.31	32.1	83.4	4
ST 4990 B3XF	1170	33.9	4.1	1.27	31.5	84.6	7
DP 1646 B2XF	1154	40.7	4.7	1.26	32.2	83.8	4
DG 3520 B2XF	1125	42.8	4.5	1.2	30.9	83.5	4
NG 4098 B3XF	1079	37.0	4.5	1.26	31.6	85.1	5
NG 4936 B3XF	965	35.2	4.4	1.3	34.3	83.1	5
Grand Mean	1145	39.1	4.5	1.26	32.0	83.8	4.9

*Yield in bold type are not significantly different from the highest yielding variety.

Phytogen varieties omitted per the growers request

Table 14. Yield and fiber quality data at Mayersville.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
DP 2012 B3XF	1649	40.6	3.8	1.26	31.6	84.3	7
DP 2038 B3XF	1535	44.6	4.3	1.31	31.5	83.5	4
ST 4990 B3XF	1511	38.3	4.6	1.21	29.1	84.3	4
DP 1646 B2XF	1500	41.0	4.6	1.15	31.1	81.8	3
NG 4936 B3XF	1458	37.1	4.4	1.27	33.7	84.1	7
NG 4098 B3XF	1388	36.5	4.2	1.24	29.2	83.9	4
DG 3520 B2XF	1291	31.2	4.5	1.27	31.2	85.3	4
Grand Mean	1476	38.5	4.3	1.2	31.06	83.9	4.7

*Yield in bold type are not significantly different from the highest yielding variety.

Phytogen varieties omitted per the growers request

Table 15. Yield and fiber quality data at Natchez.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
ST 4990 B3XF	1509	40.6	4.1	1.24	31	84.1	6
NG 4098 B3XF	1314	42.0	4.2	1.26	33.4	83.7	3
DP 2038 B3XF	1292	41.0	3.9	1.26	35.7	84	7
DG 3520 B2XF	1263	38.4	4.6	1.22	32	83	4
DP 2012 B3XF	1228	35.6	4	1.28	30.3	83.1	4
NG 4936 B3XF	1223	34.1	4.2	1.25	31.3	84.1	5
DP 1646 B2XF	1068	36.1	3.7	1.23	29.6	83.4	4
Grand Mean	1271	38.3	4.1	1.25	31.9	83.6	4.7

*Yield in bold type are not significantly different from the highest yielding variety.

Phytogen varieties omitted per the growers request

Table 16. Yield and fiber quality data at Prairie.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
DP 2038 B3XF	1322	45.9	5	1.14	31.9	81.8	3
ST 4990 B3XF	1299	39.3	4.8	1.2	30.8	85.2	4
NG 4936 B3XF	1269	39.7	4.8	1.22	32.6	83.4	4
DP 1646 B2XF	1200	42.5	4.6	1.27	30.3	84.3	4
DP 2012 B3XF	1195	41.3	4.8	1.2	32.3	83.6	5
PHY 400 W3FE	1171	43.3	4.7	1.17	34.3	83.7	4
DG 3520 B2XF	1163	41.8	4.3	1.24	33.2	84.8	6
NG 4098 B3XF	1094	37.3	4.3	1.24	35.6	83.5	5
PHY 390 W3FE	1070	41.0	4.8	1.19	32.3	81.6	5
PHY 443 W3FE	1068	42.1	4.9	1.16	34.7	84.6	4
Grand Mean	1185	41.4	4.7	1.20	32.8	83.7	4.4
LSD (0.05)	NSD	•	•	•	•	•	•

*Yield in bold type are not significantly different from the highest yielding variety.

Table 17. Yield and fiber quality data at Sledge.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
NG 4936 B3XF	1354	39.3	4.3	1.27	30	84.6	4
ST 4990 B3XF	1320	37.3	4.3	1.26	31.1	83.3	4
DP 2012 B3XF	1316	39.6	4.3	1.21	31.8	83.1	4
DP 2038 B3XF	1293	44.5	4.7	1.15	30.8	81.4	3
DP 1646 B2XF	1290	40.9	4.4	1.26	29.7	82	4
DG 3520 B2XF	1102	37.5	3.9	1.25	35.2	84.3	7
NG 4098 B3XF	1099	38.8	4.2	1.3	33.4	84.3	5
Grand Mean	1253	39.7	4.3	1.24	31.7	83.3	4.4
LSD (0.05)	NSD	•	•	•	•	•	•

*Yield in bold type are not significantly different from the highest yielding variety.

Phytogen varieties omitted per the growers request

Table 18. Yield and fiber quality data at Starkville.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
PHY 443 W3FE	886	42.5	4.7	1.17	32.7	85.5	4
DP 1646 B2XF	773	41.0	4.7	1.22	31.2	83.2	4
DG 3520 B2XF	743	36.5	4.3	1.23	30.4	85.2	3
DP 2038 B3XF	732	40.8	4.9	1.21	29.3	83.1	4
DP 2012 B3XF	725	39.5	4.5	1.19	31.4	83	4
PHY 390 W3FE	711	39.7	4.5	1.19	31.5	82.4	4
ST 4990 B3XF	657	42.4	4.6	1.22	30.4	84	3
PHY 400 W3FE	648	39.3	4.1	1.23	33.8	83.8	5
NG 4936 B3XF	601	38.0	4.6	1.22	32	85	3
NG 4098 B3XF	586	35.1	4.5	1.23	34.8	83.2	5
Grand Mean	706	39.5	4.5	1.21	31.8	83.8	3.9
LSD (0.05)	NSD	•	•	•	•	•	•

*Yield in bold type are not significantly different from the highest yielding variety.

Table 19. Yield and fiber quality data at Tallahatchie.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
PHY 443 W3FE	1179	37.8	4.4	1.21	33.9	85	5
NG 4936 B3XF	1114	38.5	4.3	1.25	29.6	85	4
DP 2012 B3XF	1063	39.2	4.2	1.22	31.1	83.7	5
DP 1646 B2XF	1047	42.2	4.4	1.32	29.3	85.4	4
ST 4990 B3XF	971	38.8	4.3	1.23	30.2	84.4	3
PHY 400 W3FE	969	41.4	4.3	1.23	32.8	83.7	5
PHY 390 W3FE	957	38.6	4.3	1.26	33.1	84.1	5
DG 3520 B2XF	902	36.5	3.9	1.28	29.4	84.1	6
NG 4098 B3XF	849	35.8	4	1.25	36.3	83.8	6
DP 2038 B3XF	844	38.1	4.4	1.22	31.7	81.9	4
Grand Mean	990	38.7	4.3	1.25	31.7	84.1	4.7

*Yield in bold type are not significantly different from the highest yielding variety.

Table 20. Yield and fiber quality data at Washington County.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
PHY 390 W3FE	1206	42.4					
DP 2012 B3XF	1192	39.8					
PHY 443 W3FE	1158	43.1					
PHY 400 W3FE	1147	43.3					
DG 3520 B2XF	1073	38.9					
NG 4098 B3XF	1032	41.0					
DP 1646 B2XF	1000	41.6					
NG 4936 B3XF	989	38.4					
ST 4990 B3XF	980	38.4					
DP 2038 B3XF	933	46.3					
Grand Mean	1071	41.3					
LSD (0.05)	NSD	•	•	•	•	•	•

*Yield in bold type are not significantly different from the highest yielding variety.

Table 21. Yield and fiber quality data at West Point.

Variety	Lint Yield	Lint Percent	Mic	Staple	Strength	Uniformity	Leaf
	Lbs/Acre	%		Inches	Grams/Tex	%	
DP 2038 B3XF	1480	46.4	4.6	1.17	31.7	82.7	3
DP 1646 B2XF	1423	41.5	4.2	1.23	36	84.2	4
DP 2012 B3XF	1379	39.6	3.8	1.23	34.3	82.7	4
PHY 400 W3FE	1344	42.6	4.1	1.28	33.4	84.7	6
ST 4990 B3XF	1342	40.2	4.5	1.25	32.4	85.5	4
PHY 443 W3FE	1264	39.8	4.3	1.21	31.7	85.2	5
DG 3520 B2XF	1248	37.8	4	1.23	32	83.8	4
NG 4936 B3XF	1184	37.3	3.6	1.29	32.5	84.7	7
NG 4098 B3XF	1183	36.7	4.3	1.26	28.4	82.8	4
PHY 390 W3FE	1163	39.6	4.1	1.27	34.3	84	5
Grand Mean	1301	40.2	4.2	1.24	32.7	84.0	4.6

*Yield in bold type are not significantly different from the highest yielding variety.