Table X. Brands and varieties included in cotton official variety trials, 2020.

Brand	Variety	Brand	Variety	Brand	Variety
Americot	AMX19A014B3XF	Croplan	CP 9608 B3XF	Dyna-Gro	DG 3317
Americot	AMX19A015B3XF	Croplan	CP 20XG91 B3XF	Dyna-Gro	DG 3402
Americot	AMX19A016B3XF	Deltapine	DP 1646 B2XF	Dyna-Gro	DG 3427
Americot	AMX19A018B3XF	Deltapine	DP 1845 B3XF	Dyna-Gro	DG 3520
Americot	AMX19B001B3XF	Deltapine	DP 2020 B3XF	Dyna-Gro	DG 3535
Americot	AMX19B003B3XF	Deltapine	DP 2038 B3XF	Dyna-Gro	DG 3605
BASF	BX 2193B3XF	Deltapine	DP 2055 B3XF	Dyna-Gro	DG 3615
BASF	BX 2151GLTP	Deltapine	19R132B3XF	Dyna-Gro	DG 3799
BASF	BX 2192B3XF	Deltapine	DP 2012 B3XF	Dyna-Gro	Halo 959
BASF	BX 2194B3XF	Deltapine	19R113B3XF		
BASF	BX 2191B3XF	Deltapine	19R125B3XF		
Brand	**Variety**	**Brand**	**Variety**	**Brand**	**Variety**
Nexgen	NG 4936B3XF	Phytogen	PHY 350 W3FE	Stoneville	ST 4550GLTP
Nexgen	NG 4098B3XF	Phytogen	PHY 360 W3FE	Stoneville	ST 5471GLTP
Nexgen	NG 5711B3XF	Phytogen	PHY 390 W3FE	Stoneville	ST 4990B3XF
Nexgen	NG 3729B3XF	Phytogen	PHY 400 W3FE	Stoneville	ST 4480B3XF
Nexgen	NG 3930B3XXF	Phytogen	PHY 480 W3FE	Stoneville	ST 5600B2XF
		Phytogen	PHY 500 W3FE		
		Phytogen	PHY 580 W3FE		
		Phytogen	PHY 332 W3FE		
		Phytogen	PHY 443 W3FE		
		Phytogen	PX 4B08 W3FE		
		Phytogen	PHY 545 W3FE		
		Phytogen	PX 5E28 W3FE		
		Phytogen	PX 5E34 W3FE		

Table X. Definitions of table abbreviations.

LY	Lint yield (lb/A)
TO	Turnout (% lint)
MIC	Micronaire
LGTH	Length (inches)
SGTH	Strength (g/tex)
UNIF	Uniformity (%)
LV	Loan value (dollars per pound lint)
GR	Gross return (dollars per acre)
NS	Not significant
TS	Target spot (0-9 scale where 0=no disease and 9=complete defoliation)

Table X. Agronomic milestones for each variety trial location, 2020.

	MRRS-sl	NERS-c	NERS–sl	RRRS–c	RRRS–sl

planting date	5/18	5/12	5/12	6/4	6/2
emergence date	5/25	5/18	5/17	6/9	6/8
row spacing	40”	40”	40”	40”	40”
previous crop	soybean	corn	Corn	cotton	corn
irrigation	yes	yes	no	no	yes
NPK (lb/A)	110-50-90	100-46-46-5	90-46-46-5	65-0-0	65-0-0
defoliation dates	10/1	9/30	9/13;9/30	10/22	10/23
harvest date	10/22	10/20;10/21	10/15	11/12;11/13	11/5;11/6
harvested plot size	280.1 ft^2	333.5 ft^2	333.5 ft^2	333.5 ft^2	333.5 ft^2

[1]MRRS=Macon Ridge Research Station, Winnsboro; NERS=Northeast Research Station, St. Joseph; RRRS=Red River Research Station, Bossier City. sl=silt loam; c=clay.

Table X. One-year lint yield (lb/A) performance of cotton varieties across five locations, 2020.

Variety	MRRS-sl[1]	NERS-c	NERS-sl	RRRS-c	RRRS-sl	Average
19R113 B3XF	1417[2]	1516	1214	1168	1279	1319
PX 4B08 W3FE	1431	1460	1332	1154	1208	1317
AMX 19B003 B3XF	1390	1361	1149	1361	1030	1258
19R125 B3XF	1313	1289	1094	1298	1220	1243
PHY 400 W3FE	1347	1212	1052	1334	1236	1236
BX 2191 B3XF	1235	1387	1190	1270	1099	1236
DP 1646 B2XF	1449	1315	1066	1382	937	1230
DP 1845 B3XF	1185	1411	1273	1326	916	1222
NG 4936 B3XF	1270	1258	1062	1286	1204	1219
PHY 350 W3FE	1267	1266	1079	1224	1195	1203
PHY 545 W3FE	1323	1226	973	1360	1109	1198
PHY 332 W3FE	1150	1312	1255	1332	936	1197
PHY 390 W3FE	1412	1212	1107	1102	1140	1195
AMX 19B001 B3XF	1280	1445	1107	1176	964	1194
DG 3520	1289	1306	1118	1289	1080	1193
ST 4990 B3XF	1357	1131	975	1260	1079	1187
PHY 480 W3FE	1303	1239	948	1234	1180	1186
AMX 19A014 B3XF	1132	1281	1089	1458	1048	1185
BX 2192 B3XF	1432	1122	976	1207	1196	1181
DP 2012 B3XF	1290	1266	999	1318	942	1181
BX 2151GLTP	1540	1099	1103	1327	948	1176
PHY 500 W3FE	1235	1241	1008	1263	1163	1176
BX 2194 B3XF	1187	1186	1154	1381	1019	1175
19R132 B3XF	1290	1290	1110	1089	1046	1174
BX 2193 B3XF	1302	1258	1092	1152	1145	1173
ST 4550 GLTP	1318	1332	1130	1240	871	1171
AMX 19A016 B3XF	1265	1279	949	1219	947	1168
DP 2055 B3XF	1390	1332	966	1264	897	1166

DP 2038 B3XF	1283	1289	1097	1218	1027	1164
DP 2020 B3XF	1284	1282	898	1115	1025	1161
PHY 443 W3FE	1273	1388	926	1049	970	1160
PHY 580 W3FE	1246	1210	1003	1291	1147	1158
ST 5600 B2XF	1366	1260	1114	1136	1103	1158
PHY 360 W3FE	1231	1222	1035	1168	1049	1153
DG 3605	1230	1110	866	1306	1001	1152
DG 3535	1175	1296	1006	1214	1040	1152
CP 20XG91 B3XF	1530	1262	1095	1114	980	1150
CP 9608 B3XF	1443	1150	1037	1173	972	1150
NG 5711 B3XF	1239	1221	1032	1245	986	1146
PX 5E28 W3FE	1125	1158	1012	1363	1022	1140
DG 3799	1312	1217	847	1288	1004	1134
NG 3729 B3XF	1249	1082	972	1256	996	1111
DG 3615	1280	1174	915	1318	843	1106
ST 5471 GLTP	1331	1095	875	1111	1085	1093
DG 3317	1463	949	841	1136	1038	1092
DG HALO 959	1256	1049	848	1191	1086	1086
NG 4098 B3XF	1184	947	908	1322	1103	1079
NG 3930 B3XF	1255	1024	876	1107	1100	1079
DG 3427	1334	1243	1026	986	934	1075
AMX 19A015 B3XF	1044	1072	939	1124	973	1048
PX 5E34 W3FE	1148	1164	840	897	1077	1045
DG 3402	1110	1323	958	941	799	1026
ST 4480 B3XF	1112	1063	847	1109	860	998
AMX 19A018 B3XF	1204	1031	877	1075	798	997
LSD (0.10)	164	366	159	192	200	
CV (%)	10.9	10.9	13.3	13.7	16.5	
Grand Mean	1287	1228	1023	1203	1038	

[1]MRRS=Macon Ridge Research Station, Winnsboro; NERS=Northeast Research Station, St. Joseph; RRRS=Red River Research Station, Bossier City. sl=silt loam; c=clay.

[2]Shaded values are not statistically different than the highest value in each column.

Table X. Lint-yield, fiber characteristics, loan value, and dollar return per acre of cotton varieties grown on an irrigated Gigger-Gilbert silt loam at Macon Ridge Research Station, Winnsboro, LA, 2020.

Variety	LY (lb/A)[1]	TO (%)	MIC	LGTH (in.)	SGTH (g/tex)	UNIF (%)	LV (¢/lb)	GR ($/A)	TS (0-9)
BX 2151GLTP	1540[2]	43.8	3.9	1.23	29.9	85.2	54.14	$1,016.85	3.3
CP 20XG91 B3XF	1530	43.8	4.1	1.21	31.9	83.3	54.26	$1,011.68	3.1
DG 3317	1463	41.4	4.3	1.17	30.5	84.4	54.13	$965.02	3.3
DP 1646 B2XF	1449	42.3	4.0	1.25	30.1	84.4	54.18	$956.41	2.3

CP 9608 B3XF	1443	42.4	3.8	1.20	27.7	83.3	53.85	$947.81	2.6
BX 2192 B3XF	1432	40.6	3.8	1.28	31.5	85.2	54.33	$946.23	3.3
PX 4B08 W3FE	1431	42.1	4.0	1.16	31.8	84.8	54.24	$945.78	2.8
19R113B3XF	1417	43.0	4.1	1.20	30.1	84.0	54.30	$937.53	1.8
PHY 390 W3FE	1412	40.9	3.6	1.21	31.6	84.8	53.34	$921.73	2.6
DP 2055 B3XF	1390	42.6	3.9	1.28	30.4	84.6	54.19	$917.95	1.9
AMX 19B003 B3XF	1390	40.5	3.8	1.23	30.1	84.0	54.10	$916.69	3.0
ST 5600B2XF	1366	40.0	4.3	1.21	33.2	85.1	54.34	$903.75	2.4
ST 4990B3XF	1357	38.6	3.9	1.25	29.6	86.2	54.21	$895.01	2.4
PHY 400 W3FE	1347	40.9	3.7	1.23	32.6	84.5	54.38	$892.34	2.1
DG 3427	1334	43.8	4.1	1.18	29.9	82.4	53.88	$876.33	1.6
ST 5471GLTP	1331	38.3	3.8	1.17	31.3	82.8	54.14	$878.05	1.8
PHY 545 W3FE	1323	42.5	3.7	1.18	32.8	84.8	53.38	$859.43	3.6
ST 4550GLTP	1318	39.8	3.8	1.20	32.9	84.2	53.48	$861.90	4.6
19R125B3XF	1313	42.0	4.0	1.22	33.1	86.1	54.54	$871.60	3.3
DG 3799	1312	40.5	4.3	1.21	33.1	84.2	54.36	$868.73	3.3
PHY 480 W3FE	1303	40.4	3.7	1.17	32.0	84.9	54.26	$862.59	3.8
BX 2193B3XF	1302	41.9	4.4	1.20	33.0	85.2	54.36	$862.40	4.1
19R132B3XF	1290	41.0	4.0	1.23	34.3	85.9	54.55	$856.82	3.3
DP 2012 B3XF	1290	39.0	3.8	1.24	30.2	84.6	54.11	$850.69	1.3
DG 3520	1289	37.8	3.3	1.28	31.4	85.8	50.70	$805.07	2.6
DP 2020 B3XF	1284	38.7	3.5	1.24	31.1	85.4	51.95	$824.03	2.0
DP 2038 B3XF	1283	44.6	3.7	1.17	29.8	83.4	53.00	$834.98	2.0
AMX 19B001 B3XF	1280	41.0	3.8	1.22	29.8	84.8	54.08	$843.69	2.9
DG 3615	1280	39.6	4.0	1.23	32.5	84.3	54.40	$846.71	2.8
PHY 443 W3FE	1273	41.0	3.5	1.20	32.7	84.4	52.46	$820.09	3.0
NG 4936 B3XF	1270	39.1	3.8	1.26	29.5	85.0	54.10	$837.45	2.8
PHY 350 W3FE	1267	38.0	3.6	1.23	31.4	85.5	54.31	$838.44	3.4
AMX 19A016 B3XF	1265	36.5	3.4	1.19	29.3	83.8	50.85	$794.03	2.0
DG HALO 959	1256	36.3	3.8	1.26	31.8	84.2	53.40	$820.09	2.9
NG 3930 B3XF	1255	38.8	3.5	1.21	28.3	84.4	52.08	$793.17	0.9
NG 3729 B3XF	1249	39.0	4.0	1.23	29.8	85.1	54.15	$822.93	0.9
PHY 580 W3FE	1246	41.9	3.9	1.20	34.4	85.9	54.56	$827.68	2.6
NG 5711 B3XF	1239	39.5	3.8	1.26	30.4	85.3	54.24	$818.70	2.6
BX 2191 B3XF	1235	40.0	3.5	1.23	29.3	84.1	51.20	$778.62	2.3
PHY 500 W3FE	1235	42.5	3.8	1.19	33.7	85.0	54.40	$817.99	3.3
PHY 360 W3FE	1231	39.1	3.7	1.22	29.3	83.9	53.08	$798.21	3.0
DG 3605	1230	39.6	3.8	1.25	30.7	84.8	54.33	$814.20	3.0
AMX 19A018 B3XF	1204	39.9	3.9	1.19	31.5	84.0	54.25	$795.84	2.8
BX 2194 B3XF	1187	37.7	3.2	1.23	30.4	84.2	49.18	$724.17	3.6
DP 1845 B3XF	1185	41.0	3.6	1.26	32.5	85.4	53.12	$762.27	3.4

NG 4098 B3XF	1184	38.7	3.6	1.26	35.0	84.3	53.28	$779.53	3.9
DG 3535	1175	39.8	3.9	1.24	30.0	85.5	54.20	$776.08	2.8
PHY 332 W3FE	1150	38.2	3.0	1.26	30.8	83.7	48.08	$690.34	4.1
PX 5E34 W3FE	1148	38.6	3.4	1.22	32.4	84.1	49.98	$710.65	3.4
AMX 19A014 B3XF	1132	36.4	3.4	1.21	28.9	83.1	51.15	$714.02	2.9
PX 5E28 W3FE	1125	37.7	3.2	1.21	32.8	84.1	49.80	$693.60	3.3
ST 4480B3XF	1112	38.0	3.5	1.25	30.5	85.0	52.38	$719.99	1.8
DG 3402	1110	37.8	3.5	1.24	30.9	85.3	52.05	$711.24	1.5
AMX 19A015 B3XF	1044	35.5	3.1	1.24	29.4	82.8	48.24	$628.15	2.1
LSD (0.10)	164	1.3	0.2	0.03	1.1	1.2	1.52	$111.87	1.4
CV (%)	10.9	2.8	5.4	1.8	3.1	1.2	2.5	11.4	41.6
Grand Mean	1287	40.1	3.7	1.22	31.2	84.5	53.18	$838.25	2.8

[1]Please refer to Table 4 for acronym definitions.

[2]Shaded values are not statistically different than the highest value in each column.

Table X. Lint-yield, fiber characteristics, loan value, and gross return per acre of cotton varieties grown on a non-irrigated Sharkey clay at Northeast Research Station, St. Joseph, LA, 2020.

Variety	LY (lb/A)[1]	TO (%)	MIC	LGTH (in.)	SGTH (g/tex)	UNIF (%)	LV (¢/lb)	GR ($/A)
19R113 B3XF	1516[2]	43.3	5.0	1.183	30.8	85.0	53.03	$914.30
PX 4B08 W3FE	1460	42.3	4.9	1.173	31.6	83.3	53.46	$957.00
AMX 19B001 B3XF	1445	41.0	4.7	1.193	31.1	84.9	54.21	$955.00
DP 1845 B3XF	1411	40.7	4.1	1.293	32.0	85.0	54.35	$934.00
PHY 443 W3FE	1388	40.2	4.6	1.185	33.6	85.9	54.46	$920.50
BX 2191 B3XF	1387	40.5	4.4	1.225	29.8	84.9	54.10	$914.50
AMX 19B003 B3XF	1361	40.8	4.6	1.218	28.9	84.8	53.91	$895.30
DP 2055 B3XF	1332	42.2	4.6	1.253	30.9	84.7	54.15	$879.30
ST 4550 GLTP	1332	41.7	4.6	1.188	32.2	83.9	54.20	$879.50
DG 3402	1323	39.8	4.2	1.218	31.0	84.3	54.26	$874.50
DP 1646 B2XF	1315	41.1	4.5	1.248	30.8	85.2	54.14	$867.80
PHY 332 W3FE	1312	39.5	4.4	1.228	31.5	84.4	54.29	$867.50
DG 3520	1306	37.1	3.8	1.273	31.7	86.3	54.48	$866.30
DG 3535	1296	40.1	4.7	1.228	29.7	84.7	53.96	$853.00
19R132 B3XF	1290	42.2	4.9	1.2	34.0	84.5	53.74	$846.50
19R125 B3XF	1289	42.1	5.1	1.2	33.9	85.3	52.09	$824.30
DP 2038 B3XF	1289	44.8	4.8	1.16	29.3	83.6	52.85	$839.70
DP 2020 B3XF	1282	37.3	4.4	1.25	30.4	85.0	54.14	$845.50
AMX 19A014 B3XF	1281	39.1	4.5	1.215	29.3	83.9	53.91	$842.30
AMX 19A016 B3XF	1279	36.8	4.3	1.17	29.9	83.9	53.95	$848.70
DP 2012 B3XF	1266	38.9	4.5	1.233	30.7	84.8	54.15	$835.80
PHY 350 W3FE	1266	38.6	4.5	1.21	30.7	85.2	54.21	$835.80

CP 20XG91 B3XF	1262	42.5	4.9	1.203	33.0	84.1	53.14	$819.30
ST 5600 B2XF	1260	39.3	5.0	1.215	31.8	85.4	52.61	$814.00
BX 2193 B3XF	1258	42.6	5.0	1.19	33.7	86.0	53.26	$819.00
NG 4936 B3XF	1258	38.0	4.6	1.235	30.6	85.1	54.20	$830.50
DG 3427	1243	44.9	4.7	1.175	29.6	82.4	53.73	$798.70
PHY 500 W3FE	1241	43.6	4.2	1.183	32.5	84.0	54.22	$796.30
PHY 480 W3FE	1239	39.5	4.5	1.2	31.0	85.3	54.25	$819.00
PHY 545 W3FE	1226	42.4	4.5	1.163	31.6	84.6	54.14	$809.30
PHY 360 W3FE	1222	39.9	4.8	1.198	29.3	83.5	53.93	$804.00
NG 5711 B3XF	1221	39.7	4.5	1.24	30.7	85.1	54.19	$806.50
DG 3799	1217	39.7	4.4	1.198	31.7	83.7	54.18	$803.50
PHY 400 W3FE	1212	40.5	4.4	1.215	32.7	84.0	54.28	$808.30
PHY 390 W3FE	1212	41.3	4.3	1.22	32.8	84.6	54.39	$803.00
PHY 580 W3FE	1210	42.0	4.6	1.183	31.6	84.5	54.24	$799.30
BX 2194 B3XF	1186	37.6	3.8	1.248	29.4	85.0	54.05	$781.30
DG 3615	1174	40.2	4.7	1.2	32.7	84.6	54.33	$776.80
PX 5E34 W3FE	1164	38.3	4.0	1.203	32.4	84.3	54.35	$771.00
PX 5E28 W3FE	1158	36.8	4.1	1.205	33.1	84.5	54.41	$767.80
CP 9608 B3XF	1150	42.4	4.5	1.21	29.4	84.4	53.99	$757.00
ST 4990 B3XF	1131	36.7	4.5	1.238	30.6	85.5	54.18	$746.30
BX 2192 B3XF	1122	38.4	4.5	1.273	32.3	84.4	54.23	$714.70
DG 3605	1110	39.9	4.6	1.26	30.6	85.1	54.15	$732.80
BX 2151 GLTP	1099	42.5	4.7	1.218	30.5	84.4	53.54	$719.50
ST 5471 GLTP	1095	38.2	4.5	1.203	32.3	84.0	54.28	$724.30
NG 3729 B3XF	1082	38.2	4.9	1.21	30.7	85.8	54.19	$714.30
AMX 19A015 B3XF	1072	35.2	4.2	1.243	29.6	84.2	54.01	$706.00
ST 4480 B3XF	1063	39.0	4.4	1.265	31.2	84.7	54.29	$702.80
DG HALO 959	1049	37.3	4.6	1.24	33.2	84.5	54.35	$694.80
AMX 19A018 B3XF	1031	38.6	4.6	1.183	32.3	84.7	54.26	$681.80
NG 3930 B3XF	1024	37.5	4.5	1.218	30.6	85.0	54.16	$676.30
DG 3317	949	40.6	4.7	1.175	32.2	84.4	54.18	$626.80
NG 4098 B3XF	947	38.5	4.3	1.261	34.7	85.6	54.38	$653.00
LSD (0.10)	366	3.3	0.4	0.07	2.5	3.0	1.48	$244.59
CV (%)	10.9	3.0	3.1	2.1	3.0	1.3	1.0	11.0
Grand Mean	1228	40.0	4.5	1.21	31.4	84.6	54.00	$806.92

[1]Please refer to Table 4 for acronym definitions.

[2]Shaded values are not statistically different than the highest value in each column.

Table X. Lint-yield, fiber characteristics, loan value, and gross return per acre of cotton varieties grown on an irrigated Commerce silt loam at Northeast Research Station, St. Joseph, LA, 2020.

Variety	LY (lb/A)[1]	TO (%)	MIC	LGTH (in.)	SGTH (g/tex)	UNIF (%)	LV (¢/lb)	GR ($/A)
PX 4B08 W3FE	1332[2]	41.7	4.6	1.16	33.0	83.7	54.14	$878.89
DP 1845 B3XF	1273	42.0	4.2	1.30	33.7	86.3	54.54	$844.79
PHY 332 W3FE	1255	38.8	4.3	1.26	33.5	85.0	54.40	$831.21
19R113 B3XF	1214	43.1	4.7	1.23	32.1	85.5	54.36	$803.83
BX 2191 B3XF	1190	40.7	4.4	1.22	29.6	84.8	54.03	$783.83
19R132 B3XF	1154	40.5	5.0	1.21	33.5	86.0	53.30	$750.88
AMX 19B003 B3XF	1149	40.4	4.7	1.23	30.8	84.7	53.61	$752.01
AMX 19A016 B3XF	1130	37.4	4.7	1.19	30.6	84.0	53.48	$737.38
PHY 443 W3FE	1118	39.9	4.3	1.18	34.9	84.8	54.41	$740.68
DG 3605	1114	40.4	4.6	1.25	30.5	84.4	54.11	$734.53
ST 4990 B3XF	1110	38.8	4.7	1.26	31.0	86.3	54.26	$734.13
AMX 19B001 B3XF	1107	41.4	4.7	1.22	32.1	86.2	53.81	$707.01
PHY 390 W3FE	1107	40.3	4.3	1.22	33.2	84.5	54.40	$733.42
BX 2194 B3XF	1103	37.8	3.8	1.27	31.1	84.3	54.23	$728.70
DP 2020 B3XF	1097	37.9	4.5	1.24	30.5	85.2	54.20	$724.58
PHY 360 W3FE	1095	41.5	4.8	1.20	29.5	84.4	52.95	$711.02
19R125 B3XF	1094	41.2	5.2	1.20	34.9	85.3	51.74	$694.66
ST 4550 GLTP	1092	41.7	4.6	1.22	33.5	84.8	54.34	$722.38
DP 2012 B3XF	1089	38.8	4.6	1.26	32.4	85.9	54.39	$721.50
NG 4936 B3XF	1079	38.7	4.7	1.28	32.1	87.5	54.46	$747.68
DP 1646 B2XF	1066	41.6	4.6	1.28	31.1	85.2	53.61	$698.37
PHY 350 W3FE	1062	39.4	4.5	1.22	32.0	85.6	54.38	$703.12
PHY 400 W3FE	1052	40.8	4.5	1.22	33.8	84.9	54.39	$697.00
NG 5711 B3XF	1037	39.3	4.6	1.25	31.5	85.1	54.26	$685.44
DG 3535	1035	38.6	4.8	1.25	30.6	85.8	53.59	$676.57
PX 5E28 W3FE	1032	37.7	3.9	1.22	34.4	84.9	54.48	$684.41
AMX 19A015 B3XF	1026	38.4	4.2	1.26	32.6	84.6	54.40	$679.47
CP 9608 B3XF	1012	41.7	4.5	1.21	29.0	85.0	54.00	$666.34
BX 2193 B3XF	1008	41.3	4.9	1.22	35.3	85.6	53.33	$655.61
AMX 19A014 B3XF	1006	37.1	4.4	1.20	30.5	83.7	54.11	$683.80
DP 2038 B3XF	1003	41.9	4.7	1.16	30.9	83.5	53.40	$664.88
DG 3520	999	37.6	3.9	1.27	32.7	86.6	54.53	$663.11
PHY 500 W3FE	976	41.2	4.1	1.22	35.0	85.0	54.50	$647.55
PHY 480 W3FE	975	39.0	4.3	1.21	33.1	85.9	54.48	$646.74
PHY 545 W3FE	973	42.2	4.6	1.18	33.3	84.8	54.30	$643.74
NG 3729 B3XF	972	39.1	4.9	1.20	30.7	84.9	53.51	$636.56
BX 2151 GLTP	966	42.7	4.8	1.24	32.3	85.5	53.76	$634.51
DG 3402	958	39.8	4.5	1.22	32.4	85.4	54.39	$634.84
DP 2055 B3XF	949	43.6	4.7	1.30	33.7	86.3	53.89	$624.38
BX 2192 B3XF	948	39.3	4.6	1.32	33.2	85.6	53.83	$621.52

PX 5E34 W3FE	939	38.3	3.9	1.25	33.8	84.8	54.41	$622.12
ST 5600 B2XF	926	38.9	5.1	1.23	33.6	85.9	52.33	$593.34
DG 3615	915	39.7	4.9	1.24	33.0	85.1	53.80	$599.69
NG 3930 B3XF	908	38.4	4.5	1.21	30.6	85.3	54.10	$585.06
PHY 580 W3FE	898	40.6	4.5	1.19	33.7	84.2	53.74	$587.90
AMX 19A018 B3XF	877	39.5	4.6	1.21	33.7	84.2	54.33	$580.39
DG 3427	876	42.3	4.6	1.20	30.7	83.7	54.06	$577.27
DG 3317	875	40.2	4.8	1.19	32.1	85.5	54.30	$578.82
CP 20XG91 B3XF	866	42.4	4.9	1.23	34.5	84.5	53.76	$567.06
DG HALO 959	848	36.7	4.6	1.27	33.6	85.7	54.44	$562.02
ST 4480 B3XF	847	37.8	4.4	1.27	32.3	85.9	54.40	$561.10
DG 3799	847	40.5	4.8	1.23	34.1	85.5	53.88	$556.08
ST 5471 GLTP	841	36.6	4.6	1.23	33.2	85.0	54.35	$557.01
NG 4098 B3XF	840	36.4	4.4	1.29	37.4	85.6	54.50	$622.84
LSD (0.10)	159	2.1	0.2	0.03	1.3	1.2	0.76	$105.88
CV (%)	13.3	4.4	3.6	1.9	3.3	1.2	1.2	13.4
Grand Mean	1023	39.9	4.5	1.23	32.5	85.1	54.01	$675.59

[1]Please refer to Table 4 for acronym definitions.

[2]Shaded values are not statistically different than the highest value in each column.

Table X. Lint-yield, fiber characteristics, loan value, and dollar return per acre of cotton varieties grown on an irrigated Moreland clay at Red River Research Station, Bossier City, LA, 2020.

Variety	LY (lb/A)[1]	TO (%)	MIC	LGTH (in.)	SGTH (g/tex)	UNIF (%)	LV (¢/lb)	GR ($/A)
DP 1646 B2XF	1385[2]	42.3	4.5	1.17	31.6	83.8	54.08	$900.96
BX 2194 B3XF	1375	40.5	4.3	1.16	32.9	83.8	54.14	$907.16
PX 5E28 W3FE	1363	40.3	4.4	1.16	32.5	83.3	54.16	$899.57
AMX 19B003 B3XF	1361	39.9	4.6	1.17	31.6	83.5	54.18	$898.34
PHY 545 W3FE	1360	39.2	4.4	1.17	32.1	83.3	54.04	$896.38
PHY 400 W3FE	1334	39.7	4.5	1.17	33.6	84.3	54.21	$880.98
PHY 332 W3FE	1332	40.8	4.5	1.17	32.3	84.1	54.21	$879.46
DP 2012 B3XF	1318	40.5	4.6	1.14	32.3	82.9	53.10	$854.76
DG 3615	1318	39.2	4.5	1.19	32.7	83.8	54.14	$869.53
DG 3605	1306	39.8	4.4	1.16	34.0	84.3	54.26	$862.84
19R125B3XF	1298	40.0	4.5	1.14	32.9	83.8	53.91	$853.70
PHY 580 W3FE	1291	41.0	4.7	1.16	33.3	83.9	54.20	$852.48
DG 3799	1288	37.7	4.3	1.18	34.2	83.8	54.00	$867.39
AMX 19A014 B3XF	1273	38.6	4.6	1.16	32.1	83.7	54.10	$855.71
DP 1845 B3XF	1272	40.3	4.4	1.19	32.3	84.3	54.28	$840.89
BX 2191 B3XF	1270	40.6	4.5	1.16	31.9	83.0	53.90	$889.27
DP 2055 B3XF	1264	39.2	4.5	1.17	31.7	84.1	54.14	$834.61

PHY 500 W3FE	1263	39.4	4.2	1.16	36.2	84.4	54.22	$823.50
BX 2151GLTP	1258	41.1	4.6	1.16	33.2	83.8	54.16	$846.12
NG 3729 B3XF	1256	38.6	4.3	1.15	33.2	82.9	54.09	$827.91
NG 5711 B3XF	1245	37.7	4.5	1.19	32.0	83.7	54.13	$821.09
ST 4550GLTP	1237	40.9	4.3	1.16	33.1	83.8	54.26	$818.03
PHY 480 W3FE	1234	38.0	4.5	1.16	34.0	85.4	54.20	$814.58
PHY 350 W3FE	1224	38.7	4.2	1.17	33.4	84.3	54.33	$810.08
AMX 19A016 B3XF	1219	41.1	4.6	1.17	32.1	83.4	54.11	$803.71
DG 3535	1214	37.4	4.3	1.21	32.9	84.1	54.30	$802.75
BX 2192 B3XF	1207	38.4	4.4	1.17	32.8	84.2	54.25	$797.87
DG 3520	1202	37.6	4.4	1.16	31.9	83.5	53.75	$830.48
DG HALO 959	1193	35.7	4.4	1.22	32.2	85.1	54.37	$719.89
NG 4936 B3XF	1191	37.3	4.4	1.19	32.8	84.9	54.23	$752.61
PHY 443 W3FE	1187	40.6	4.3	1.19	34.4	84.9	54.15	$720.70
DP 2038 B3XF	1185	41.7	4.1	1.16	33.7	83.6	54.21	$783.01
AMX 19B001 B3XF	1176	39.0	4.3	1.18	32.5	84.6	54.23	$776.97
ST 4990B3XF	1173	37.1	4.4	1.17	31.6	83.6	54.16	$790.79
19R113B3XF	1170	40.5	4.5	1.13	35.1	84.1	53.93	$786.09
PX 4B08 W3FE	1154	40.3	4.4	1.21	33.7	85.2	54.43	$780.29
BX 2193B3XF	1152	41.1	4.4	1.15	35.3	83.7	54.10	$741.22
DG 3317	1138	38.4	4.5	1.16	32.9	83.8	54.11	$766.31
ST 5600B2XF	1136	36.0	4.5	1.17	34.5	85.7	54.34	$752.01
PHY 360 W3FE	1132	39.9	4.7	1.12	32.5	81.9	52.85	$732.80
NG 4098 B3XF	1131	34.6	4.3	1.22	34.9	85.5	54.48	$796.04
AMX 19A015 B3XF	1124	37.8	4.5	1.19	32.3	84.7	54.29	$743.31
DP 2020 B3XF	1115	37.2	4.6	1.16	32.5	83.6	54.06	$734.69
CP 20XG91 B3XF	1114	40.5	4.7	1.18	34.5	84.1	54.18	$735.69
ST 5471GLTP	1111	37.5	4.7	1.13	32.5	82.6	52.91	$719.02
ST 4480B3XF	1109	39.3	4.5	1.17	34.8	85.0	54.23	$733.00
NG 3930 B3XF	1107	38.3	4.4	1.19	31.5	84.5	54.26	$731.76
PHY 390 W3FE	1104	38.5	4.4	1.19	32.7	84.5	54.28	$745.96
CP 9608 B3XF	1099	37.5	4.5	1.22	33.4	84.9	54.35	$742.67
19R132B3XF	1085	40.2	4.5	1.19	32.6	84.1	54.26	$717.58
AMX 19A018 B3XF	1075	39.5	4.3	1.14	33.3	83.5	54.10	$709.01
DG 3427	986	39.3	4.5	1.18	34.5	83.6	54.00	$649.86
DG 3402	943	38.5	4.7	1.20	34.0	83.7	53.40	$674.30
PX 5E34 W3FE	894	38.5	4.4	1.19	32.2	84.4	54.28	$606.66
LSD (0.10)	192	NS	NS	0.04	NS	1.3	0.46	$130.04
CV (%)	13.7	7.1	5.3	3.0	6.0	1.3	0.7	14.0
Grand Mean	1203	39.2	4.4	1.17	33.1	84.0	54.09	$795.97

[1]Please refer to Table 4 for acronym definitions.

[2]Shaded values are not statistically different than the highest value in each column.

Table X. Lint-yield, fiber characteristics, loan value, and dollar return per acre of cotton varieties grown on an irrigated Caplis very fine sandy loam at Red River Research Station, Bossier City, LA, 2020.

Variety	LY (lb/A)[1]	TO (%)	MIC	LGTH (in.)	SGTH (g/tex)	UNIF (%)	LV (¢/lb)	GR ($/A)
19R113 B3XF	1279[2]	40.8	4.6	1.20	33.4	84.6	54.35	$847.10
PHY 400 W3FE	1236	40.9	3.9	1.24	34.2	84.0	54.41	$819.19
19R125 B3XF	1220	42.3	4.2	1.19	34.6	84.0	54.31	$808.51
PX 4B08 W3FE	1208	42.2	4.2	1.19	33.4	83.1	53.29	$784.55
NG 4936 B3XF	1204	39.7	4.1	1.21	34.2	84.7	54.40	$797.62
BX 2192 B3XF	1196	40.5	4.1	1.24	32.5	85.1	54.43	$792.45
PHY 350 W3FE	1195	40.3	4.0	1.22	35.3	85.6	54.49	$792.57
PHY 480 W3FE	1180	39.5	3.8	1.19	34.7	84.7	53.50	$771.96
PHY 500 W3FE	1163	40.6	4.1	1.19	35.0	84.5	54.40	$770.18
PHY 580 W3FE	1147	40.5	4.2	1.15	34.6	83.1	54.21	$757.51
BX 2193 B3XF	1145	41.5	4.4	1.22	33.4	85.0	53.80	$753.63
PHY 390 W3FE	1140	39.8	4.2	1.18	34.0	84.2	54.45	$759.59
PHY 545 W3FE	1109	39.6	4.3	1.17	34.5	83.8	54.30	$733.75
NG 4098 B3XF	1103	38.9	4.3	1.21	34.9	85.0	54.45	$731.38
ST 5600 B2XF	1103	41.0	4.2	1.20	34.7	84.6	54.40	$730.45
NG 3930 B3XF	1100	40.6	4.4	1.21	34.1	84.6	54.31	$727.73
BX 2191 B3XF	1099	41.2	4.3	1.20	33.0	83.9	54.34	$727.60
DG HALO 959	1086	38.9	3.8	1.19	34.1	83.1	53.35	$707.54
ST 5471 GLTP	1085	39.5	4.1	1.20	35.8	84.4	54.43	$718.93
DG 3520	1080	38.2	3.8	1.20	34.9	84.3	54.35	$714.71
ST 4990 B3XF	1079	40.2	4.4	1.20	33.0	84.6	54.31	$713.96
PX 5E34 W3FE	1077	38.9	4.1	1.19	35.9	85.2	53.74	$705.46
PHY 360 W3FE	1049	40.1	3.9	1.19	32.8	84.4	53.41	$685.48
AMX 19A014 B3XF	1048	39.8	4.1	1.17	33.1	83.1	54.23	$692.40
19R132 B3XF	1046	41.3	4.3	1.20	35.3	84.9	53.46	$683.74
DG 3535	1040	40.0	4.1	1.18	32.7	83.8	54.20	$686.56
DG 3317	1038	40.2	4.2	1.20	32.7	84.0	54.30	$686.69
AMX 19B003 B3XF	1030	40.9	4.3	1.21	33.4	84.5	54.31	$681.42
DP 2038 B3XF	1027	42.5	4.1	1.19	33.6	83.2	54.23	$678.45
DP 2020 B3XF	1025	38.4	4.3	1.24	34.9	85.7	53.91	$671.93
PX 5E28 W3FE	1022	34.9	4.3	1.18	34.5	84.4	52.95	$664.02
BX 2194 B3XF	1019	38.9	3.9	1.22	32.9	83.6	53.41	$666.02
DG 3799	1004	39.9	4.1	1.22	34.7	83.6	54.34	$664.61
DG 3605	1001	41.7	4.1	1.22	33.0	84.2	54.36	$662.93
NG 3729 B3XF	996	38.9	3.8	1.21	33.8	84.7	54.34	$659.08
NG 5711 B3XF	986	38.5	4.2	1.23	34.1	85.2	54.45	$654.04

CP 20XG91 B3XF	980	39.5	4.3	1.18	33.8	83.0	54.28	$648.28
AMX 19A015 B3XF	973	39.2	4.0	1.22	35.1	84.2	53.45	$635.69
CP 9608 B3XF	972	42.3	4.1	1.18	33.1	83.8	54.28	$642.85
PHY 443 W3FE	970	39.7	4.2	1.18	35.5	83.8	54.24	$640.86
AMX 19B001 B3XF	964	41.0	3.9	1.19	34.0	84.9	54.39	$638.58
BX 2151 GLTP	948	41.4	4.0	1.19	33.4	84.1	54.28	$626.78
AMX 19A016 B3XF	947	37.2	4.1	1.18	32.8	83.8	54.25	$625.76
DP 2012 B3XF	942	38.3	4.2	1.23	33.6	84.3	54.41	$623.93
DP 1646 B2XF	937	42.2	4.0	1.21	33.2	84.0	54.41	$620.74
PHY 332 W3FE	936	37.9	4.0	1.19	34.5	85.1	54.43	$620.43
DG 3427	934	41.2	4.1	1.22	34.6	84.7	54.36	$618.17
DP 1845 B3XF	916	42.1	4.1	1.22	34.5	84.3	54.33	$605.45
DP 2055 B3XF	897	40.3	4.2	1.22	33.0	83.9	54.36	$594.15
ST 4550 GLTP	871	41.1	4.0	1.16	35.0	84.2	54.30	$555.21
ST 4480 B3XF	860	36.4	4.1	1.23	33.4	85.0	54.43	$569.63
DG 3615	843	38.9	4.3	1.16	34.4	83.7	54.06	$555.40
DG 3402	799	40.8	4.0	1.20	34.9	84.9	53.06	$520.55
AMX 19A018 B3XF	798	38.4	4.1	1.18	33.7	83.8	54.34	$528.19
LSD (0.10)	200	2.8	NS	NS	NS	NS	1.08	$133.91
CV (%)	16.5	6.0	9.0	3.2	5.1	1.4	1.7	16.7
Grand Mean	1038	40.0	4.1	1.20	34.0	84.3	54.14	$684.71

[1]Please refer to Table 4 for acronym definitions.

[2]Shaded values are not statistically different than the highest value in each column.

Table X. Lint yield, gin turnout, fiber characteristics, loan values, and dollar return per acre, Morehouse core block demonstration, 2020.

Parish: Morehouse
Community: Mer Rouge
Fertilizer: 100lb N/A
Agent: Bruce Garner
Planting date: 12-May-20
Harvest date: 18-Oct-20
Previous crop: Corn
Soil type: Gallion silt loam
Cooperator: Dan Turner
GPS: 32°46'16.54"N, -91°46'54.47"W
Field size: 82 ac. total, 8.2 ac strips
Row spacing: 38 in.
Seeding rate: 36,000/A
Tillage: minimum
Irrigation: Furrow

Variety	LY (lb/A)[1]	TO (%)	MIC	LGTH (in.)	SGTH (g/tex)	UNIF	LV (¢/lb)	GR ($/A)
PHY 400 W3FE	1069	41.8	3.6	1.25	35.0	85.7	54.45	$709
DP 1646 B2XF	1069	43.1	3.9	1.29	29.5	83.7	53.95	$703
PHY 390 W3FE	1066	41.1	3.4	1.25	33.2	84.7	50.75	$667
NG 4936 B3XF	991	38.6	3.6	1.30	30.3	87.2	54.25	$655
ST 4550 GLTP	925	41.3	3.6	1.20	31.9	84.6	54.25	$611
DG 3520	918	36.3	3.4	1.31	32.8	84.4	50.65	$574
ST 4990 B3XF	825	38.4	3.9	1.27	30.3	86.3	54.35	$546
DP 2038 B3XF	811	47.0	3.8	1.19	31.7	83.4	54.30	$536
DG HALO 959	795	36.7	3.8	1.29	35.5	86.6	54.60	$528
NG 4098 B3XF	602	36.5	3.2	1.28	34.7	84.3	49.00	$366

[1]Please refer to Table 4 for acronym definitions.

Table X. Lint yield, gin turnout, fiber characteristics, loan values, and dollar return per acre, Ouachita core block demonstration, 2020.

Parish: Ouachita **Previous crop:** Corn **Irrigation type:** None
Community: Bosco **Soil type:** Rilla silt loam **GPS:** 32.341225, -92.100366
Cooperator: Trip Faulk **Tillage Type:** Minimal **Plot size:** 8 rows
Agent: Keith Collins **N rate (lbs/acre):** 70 **Planting date:** 5/21/2020
Seeding rate: 41,000 **Harvest date:** 10/22/2020 **Row spacing:** 38 in.

Variety	LY (lb/A)[1]	TO (%)	MIC	LGTH (in.)	SGTH (g/tex)	UNIF	LV (¢/lb)	GR ($/A)
PHY 400 W3FE	1208	42.3	4.4	1.23	33.7	84.2	54.35	$800
ST 4550 GLTP	1175	41.6	4.8	1.22	33.8	83.5	54.30	$777
PHY 390 W3FE	1171	39.9	4.3	1.24	32.5	86.7	54.40	$776
NG 4098 B3XF	1168	41.0	4.5	1.29	38.4	85.9	54.45	$774
DG 3402	1125	41.2	4.5	1.24	32.6	87.6	54.40	$745
DP 1646 B2XF	1105	42.1	4.6	1.24	29.1	84.0	53.90	$727
DG 3520	1090	37.9	4.0	1.26	34.5	84.9	54.45	$723
ST 4990 B3XF	1080	37.4	4.5	1.28	33.0	85.7	54.45	$716
DG 3585	1056	40.2	4.5	1.24	30.5	86.5	54.25	$698
DP 2038 B3XF	988	45.0	4.9	1.16	32.0	83.7	54.15	$652
NG 4936 B3XF	970	37.2	4.4	1.30	32.3	86.9	54.40	$643
DG HALO 959	802	39.0	4.9	1.23	32.6	84.3	54.25	$530
DG 3799	794	40.1	5.2	1.22	33.5	85.5	52.15	$508

Table X. Lint yield, gin turnout, fiber characteristics, loan values, and dollar return per acre, Pointe Coupee core block demonstration, 2020.

Parish: Pointe Coupee **Previous crop:** Corn **Irrigation type:** None
Community: Innis **Soil type:** clay/mix **GPS:** 30.812672, -91.778219
Cooperator: George LaCour **Tillage:** Conventional **Plot size:** 6 rows
Agent: Mark Carriere **N rate (lbs/acre):** 85 units **Planting date:** 5/4/2020
Seeding rate: 33,000/A **Harvest date:** 9/30, 10/1 **Row spacing:** 38"

Variety	LY (lb/A)[1]	TO (%)	MIC	LGTH (in.)	SGTH (g/tex)	UNIF	LV (¢/lb)	GR ($/A)
NG 4936 B3XF	1285	40.2	4.5	1.22	29.5	86.2	54.05	$847
ST 4990 B3XF	1269	37.0	4.5	1.21	29.5	83.8	53.85	$834
DP 1646 B2XF	1266	42.8	4.5	1.25	29.5	84.3	53.90	$833
DG HALO 959	1191	39.0	4.4	1.23	33.1	86.4	54.50	$790
PHY 400 W3FE	1162	41.5	4.4	1.22	32.8	84.5	54.25	$768
DP 2038 B3XF	1136	43.5	4.7	1.14	29.4	81.3	53.45	$742
PHY 390 W3FE	1133	40.9	4.5	1.19	32.7	84.8	54.25	$749
ST 4550 GLTP	1099	41.9	4.5	1.17	32.2	85.3	54.30	$727
DG 3520	1063	36.8	4.0	1.25	34.7	86.4	54.60	$706
NG 4098 B3XF	909	36.6	4.3	1.25	34.3	84.6	54.35	$602
LSD (0.10)	121	3.9						
CV (%)	7.4	6.9						
Grand Mean	1151	40.0						

[1]Please refer to Table 4 for acronym definitions.

[2]Shaded values are not statistically different than the highest value in each column.

Table X. Lint yield, gin turnout, fiber characteristics, loan values, and dollar return per acre, Tensas core block demonstration, 2020.

Parish: Tensas | **Previous crop:** cotton | **Irrigation type:** furrow
Community: Newellton | **Soil type:** Commerce silt loam | **GPS:** -91.178, 32.109
Cooperator: L. Stonecipher/B. Kifer | **Tillage Type:** Stale seedbed | **Plot size:** 6 row
Agent: Dennis Burns | **N rate (lbs/acre):** 120 | **Planting date:** 5/4/2020
Seeding rate: 40k | **Harvest date:** 10/1/2020 | **Row spacing:** 38"

Variety	LY (lb/A)[1]	TO (%)	MIC	LGTH (in.)	SGTH (g/tex)	UNIF	LV (¢/lb)	GR ($/A)
NG 4936 B3XF	1657	41.1	4.4	1.26	29.6	85.1	54.00	$1,091
ST 4990 B3XF	1581	37.7	4.1	1.27	34.6	84.8	54.45	$1,048
DG 3520	1464	39.4	4.2	1.27	31.2	87.7	54.50	$972
DP 2038 B3XF	1457	38.1	4.0	1.27	34.2	87.1	54.60	$968
DG HALO 959	1435	41.8	4.4	1.31	31.3	86.7	54.40	$950
DP 1646 B2XF	1367	44.5	5.0	1.21	35.6	86.4	52.20	$875
NG 4098 B3XF	1234	37.4	4.7	1.29	34.3	86.7	54.50	$819

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