



2006 National Cotton Variety Test

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National Cotton Variety Tests, 2006

Yield, Boll, Seed, Spinning and Data

2006 EASTERN REGIONAL COTTON VARIETY TEST

EASTERN ALL LOCATIONS

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER	
		YIELD (lb/acre)	SIZE (g/boll)			TENACITY (mN/TEX)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1224	DP 555 R/R	1169	4.38	44.6	7.7	105	1.09	0.51	190	6.5
1316	PHY 370WR	1131	4.65	43.0	9.1	115	1.07	0.54	198	7.0
1281	DPL 455BR	1082	4.23	43.8	8.0	122	1.10	0.54	207	6.9
1256	FM 960BR	1068	4.80	41.3	10.2	122	1.09	0.53	221	5.3
1292	DP 393	1058	4.30	42.5	9.5	114	1.12	0.56	207	8.4
1251	ST 5599BR	1053	5.21	42.3	10.0	111	1.10	0.53	204	6.5
1241	DP 444 BR	1027	4.50	43.0	9.6	120	1.10	0.55	205	7.4
1295	STV 5242BR	1018	5.09	43.3	10.3	108	1.07	0.53	197	7.3
1196	STV 4892 BR	1016	4.57	42.7	9.8	109	1.09	0.54	197	7.5

1315	DP 432R	991	3.91	41.7	8.6	110	1.07	0.54	200	8.6
1282	DPL 445BR	988	4.81	43.1	9.1	118	1.10	0.55	218	8.9
1255	FM 960B2R	972	5.07	41.3	10.5	117	1.15	0.55	216	5.7
1166	PHYTOGEN 72	868	4.50	40.0	9.4	133	1.14	0.56	239	8.0
1214	PM 2167 RR	788	4.62	40.3	9.0	106	1.02	0.53	192	7.0
1225	GA 98028	437	4.49	42.8	9.9	76	1.06	0.53	202	4.9
.	LSD	111	0.35	0.9	0.5	8	0.03	0.01	12	0.8

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO-NAIRE (reading)	2.5% S.L. (in.)	UNIFORMITY (%)	STRENGTH (g/tex)	E	COLORIMETER HUNTER'S Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITROGEN (%)
1224	DP 555 R/R	4.79	1.06	81.3	29.4	7.3	72.2	7.8	4.89	1340	17.29	3.77
1316	PHY 370WR	4.97	1.05	82.1	30.6	8.4	70.9	8.1	5.01	1357	19.24	3.72
1281	DPL 455BR	4.35	1.10	81.8	30.5	7.6	71.3	8.5	4.44	1237	16.56	3.85
1256	FM 960BR	4.62	1.07	81.8	33.8	7.7	70.7	7.5	4.77	1259	20.27	3.53
1292	DP 393	4.84	1.11	82.8	30.7	9.0	69.5	8.3	4.95	1289	17.77	3.66
1251	ST 5599BR	4.88	1.09	81.9	31.3	8.0	70.5	8.6	4.97	1317	20.02	3.75
1241	DP 444 BR	4.47	1.10	82.7	29.9	8.1	71.4	8.1	4.54	1178	19.82	3.85
1295	STV 5242BR	4.52	1.06	82.3	28.4	7.8	70.4	8.1	4.58	1107	17.62	3.76
1196	STV 4892 BR	4.99	1.06	82.6	29.9	8.1	70.3	8.5	5.06	1219	18.35	3.57
1315	DP 432R	5.02	1.07	82.3	31.0	8.8	69.5	8.6	5.08	1194	18.84	3.70
1282	DPL 445BR	4.74	1.08	82.3	30.4	8.7	71.6	8.7	4.90	1212	18.52	3.53
1255	FM 960B2R	4.60	1.16	82.4	32.4	7.6	71.6	7.8	4.68	1140	20.40	3.59
1166	PHYTOGEN 72	4.47	1.15	82.6	33.6	8.6	69.6	8.6	4.61	1112	19.72	3.67
1214	PM 2167 RR	4.95	1.02	82.0	30.1	8.2	68.8	8.2	5.02	968	21.13	3.83
1225	GA 98028	4.35	1.10	81.2	32.0	7.0	76.0	9.0	4.70	581	19.55	3.72
.	LSD	0.31	0.03	0.7	1.5	0.4	1.2	0.4	0.28	178	1.16	0.16

---GOSSYPOL LEVELS---

-----AREALOMETER DATA-----

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A (mm2/mm3)	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1224	DP 555 R/R	0.66	0.45	1.11	427	24.4	1.64	88	48.32	4.40	2.9
1316	PHY 370WR	0.94	0.60	1.54	403	21.1	1.58	91	49.24	4.74	3.1
1281	DPL 455BR	0.73	0.45	1.18	433	22.8	1.61	89	46.75	4.19	2.9
1256	FM 960BR	0.74	0.51	1.26	430	19.2	1.53	92	44.88	4.07	3.0
1292	DP 393	0.90	0.62	1.52	421	21.9	1.59	90	47.46	4.36	3.0
1251	ST 5599BR	0.99	0.57	1.56	424	23.4	1.63	88	48.18	4.42	2.9
1241	DP 444 BR	0.87	0.51	1.38	404	19.6	1.54	92	47.86	4.59	3.2
1295	STV 5242BR	0.86	0.50	1.36	429	25.6	1.67	87	49.05	4.45	2.9

1196	STV 4892 BR	1.01	0.65	1.65	414	29.1	1.74	84	52.96	4.98	3.0
1315	DP 432R	0.98	0.58	1.57	413	22.8	1.61	89	49.31	4.69	3.1
1282	DPL 445BR	1.04	0.69	1.73	429	27.1	1.70	85	49.79	4.50	2.9
1255	FM 960B2R	0.77	0.53	1.31	420	23.0	1.61	89	48.33	4.47	3.0
1166	PHYTOGEN 72	0.66	0.46	1.12	426	20.1	1.55	91	45.79	4.19	3.0
1214	PM 2167 RR	0.85	0.43	1.28	403	24.8	1.65	87	51.63	4.96	3.1
1225	GA 98028	0.73	0.46	1.19	410	20.0	1.55	92	47.50	4.48	3.1
.	LSD	0.09	0.06	0.14	23.3	3.2	0.07	3	2.20	0.42	0.2

EASTERN INCLUDING SUFFOLK, VA; PAINTER, VA; AND FLORENCE, SC

VARIETY CODE	VARIETY NAME	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/TEX)	DIGITAL FIBROGRAPH 2.5% S.L. (inches)	50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1224	DP 555 R/R	1308	4.78	44.4	8.9	115	1.14	0.53	200	6.5
1281	DPL 445BR	1180	4.71	44.1	8.5	125	1.17	0.56	208	7.8
1241	DP 444 BR	1170	4.87	43.1	10.0	121	1.15	0.56	203	7.2
1316	PHY 370WR	1130	5.65	42.8	9.7	116	1.10	0.56	207	7.4
1251	ST 5599BR	1106	5.49	41.9	10.4	111	1.15	0.55	208	6.3
1256	FM 960BR	1093	4.30	41.4	10.6	124	1.15	0.56	220	6.0
1282	DPL 445BR	1040	5.68	42.9	9.8	117	1.11	0.55	218	8.7
1295	STV 5242BR	1035	4.39	42.8	10.9	105	1.10	0.55	190	8.1
1196	STV 4892 BR	1022	4.99	42.8	10.3	113	1.13	0.55	200	7.5
1292	DP 393	1007	4.29	41.3	10.4	110	1.15	0.57	194	8.8
1255	FM 960B2R	939	5.28	41.1	10.8	125	1.19	0.57	221	5.1
1166	PHYTOGEN 72	895	4.88	39.7	10.0	139	1.20	0.59	246	7.7
1315	DP 432R	826	.	41.6	9.3	98	1.10	0.55	197	9.0
1214	PM 2167 RR	797	4.82	39.8	9.5	104	1.04	0.54	193	6.9
.	LSD	187	1.17	2.1	.	9	0.03	0.02	18	1.0

		SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)										
VARIETY CODE	VARIETY NAME	MICRO-NAIRE (reading)	2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	E	COLORIMETER HUNTER'S Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1224	DP 555 R/R	4.85	1.12	82.4	30.0	7.9	68.5	8.0	4.93	1662	18.24	3.68

1281 DPL 455BR	4.47	1.17	82.9	30.7	8.2	68.5	8.1	4.58	1444	16.92	3.65
1241 DP 444 BR	4.45	1.15	83.8	29.2	8.1	68.5	7.5	4.48	1476	20.95	3.84
1316 PHY 370WR	5.10	1.10	82.5	30.3	8.7	66.0	7.7	5.23	1510	20.69	3.57
1251 ST 5599BR	5.00	1.13	82.4	30.7	8.1	67.3	8.3	5.03	1580	21.23	3.56
1256 FM 960BR	4.83	1.10	82.0	34.0	8.2	64.8	6.9	4.88	1306	20.53	3.48
1282 DPL 445BR	4.98	1.10	82.5	29.3	8.8	67.5	8.6	5.15	1385	19.06	3.51
1295 STV 5242BR	5.03	1.08	82.8	27.8	8.4	64.8	7.4	5.03	1218	17.98	3.71
1196 STV 4892 BR	5.03	1.10	82.6	29.8	8.2	68.0	8.2	5.08	1331	19.40	3.38
1292 DP 393	4.65	1.15	83.4	28.5	8.9	63.5	7.6	4.75	1391	18.17	3.68
1255 FM 960B2R	4.67	1.20	83.2	33.3	7.9	67.8	7.8	4.75	1275	21.11	3.48
1166 PHYTOGEN 72	4.50	1.22	83.7	33.2	8.6	66.5	8.2	4.60	1215	20.63	3.50
1315 DP 432R	5.40	1.10	81.0	28.5	9.2	57.0	7.4	5.50	1160	18.89	3.80
1214 PM 2167 RR	5.20	1.07	82.0	29.5	8.4	65.5	7.8	5.22	1081	21.80	3.71
. LSD	0.28	0.05	1.1	1.2	0.4	2.5	0.6	0.37	281	1.37	0.28

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1224 DP 555 R/R		0.74	0.54	1.27	428	25.8	1.67	87	49.13	4.50	2.9
1281 DPL 455BR		0.85	0.57	1.42	.	.	.	.	.	.	.
1241 DP 444 BR		0.90	0.58	1.48	.	.	.	.	.	.	.
1316 PHY 370WR		0.96	0.67	1.62	.	.	.	.	.	.	.
1251 ST 5599BR		1.15	0.71	1.86	.	.	.	.	.	.	.
1256 FM 960BR		0.77	0.59	1.35	.	.	.	.	.	.	.
1282 DPL 445BR		1.07	0.74	1.80	.	.	.	.	.	.	.
1295 STV 5242BR		0.93	0.60	1.52	.	.	.	.	.	.	.
1196 STV 4892 BR		1.12	0.79	1.91	412	31.6	1.79	82	54.74	5.17	3.0
1292 DP 393		1.03	0.72	1.74	.	.	.	.	.	.	.
1255 FM 960B2R		0.81	0.59	1.39	415	24.2	1.64	88	49.59	4.64	3.0
1166 PHYTOGEN 72		0.74	0.57	1.31	439	22.2	1.60	90	45.61	4.03	2.9
1315 DP 432R		0.90	0.62	1.52	.	.	.	.	.	.	.
1214 PM 2167 RR		0.90	0.50	1.39	396	26.5	1.69	86	53.70	5.25	3.1
. LSD		0.15	0.11	0.25	33.3	5.2	0.10	4	1.61	0.46	0.2

EASTERN INCLUDING GRIFFIN, GA; AUBURN, AL; BELLE MINA, AL; JACKSON, TN; AND STARKVILLE, MS

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER	
		YIELD (lb/acre)	SIZE (g/boll)			TENACITY (mN/TEX)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1316	PHY 370WR	1131	4.31	43.1	8.8	114	1.05	0.53	194	6.8
1224	DP 555 R/R	1086	4.11	44.7	7.1	97	1.04	0.50	182	6.5
1292	DP 393	1079	4.30	42.8	9.0	116	1.10	0.56	214	8.1
1256	FM 960BR	1058	4.96	41.3	10.0	121	1.06	0.52	222	5.0
1315	DP 432R	1024	3.91	41.8	8.2	113	1.06	0.54	201	8.6
1281	DPL 455BR	1022	3.90	43.7	7.8	119	1.05	0.52	206	6.3
1251	ST 5599BR	1020	5.03	42.4	9.8	110	1.05	0.52	201	6.7
1196	STV 4892 BR	1012	4.29	42.7	9.5	106	1.07	0.54	194	7.5
1295	STV 5242BR	1011	5.32	43.5	10.0	110	1.06	0.53	201	6.9
1255	FM 960B2R	1005	4.86	41.5	10.1	106	1.10	0.52	209	6.6
1282	DPL 445BR	968	4.52	43.2	8.8	119	1.10	0.55	218	9.0
1241	DP 444 BR	941	4.26	42.9	9.4	119	1.07	0.54	207	7.5
1166	PHYTOGEN 72	851	4.24	40.2	9.1	129	1.09	0.54	234	8.2
1214	PM 2167 RR	783	4.49	40.6	8.8	107	1.00	0.52	191	7.1
1225	GA 98028	437	4.49	42.8	9.9	76	1.06	0.53	202	4.9
.	LSD	146	0.29	1.2	0.6	13	0.04	0.02	17	1.2

VARIETY CODE	VARIETY NAME	MICRO- NAIRE (reading)	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)				COLORIMETER HUNTER'S		MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
			2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	Rd	b				
1316	PHY 370WR	4.90	1.03	82.0	30.8	8.2	73.4	8.3	4.90	1280	18.52	3.80
1224	DP 555 R/R	4.75	1.01	80.5	28.9	6.9	75.0	7.6	4.86	1178	16.58	3.84
1292	DP 393	4.94	1.09	82.5	31.8	9.0	72.5	8.7	5.05	1264	17.57	3.65
1256	FM 960BR	4.51	1.05	81.6	33.6	7.5	73.6	7.7	4.71	1248	20.15	3.55
1315	DP 432R	4.93	1.06	82.7	31.6	8.7	72.6	8.9	4.98	1203	18.82	3.68
1281	DPL 455BR	4.26	1.05	81.0	30.4	7.2	73.4	8.8	4.33	1133	16.28	4.01
1251	ST 5599BR	4.79	1.05	81.5	31.8	7.9	72.9	8.8	4.93	1186	19.11	3.89
1196	STV 4892 BR	4.95	1.04	82.7	29.9	8.0	72.0	8.7	5.04	1163	17.57	3.71
1295	STV 5242BR	4.26	1.05	82.0	28.8	7.5	73.3	8.5	4.36	1079	17.44	3.79
1255	FM 960B2R	4.50	1.10	81.1	31.0	7.0	77.3	8.0	4.58	1006	19.34	3.77
1282	DPL 445BR	4.63	1.08	82.2	31.0	8.6	73.6	8.7	4.78	1125	18.25	3.54
1241	DP 444 BR	4.49	1.06	81.9	30.5	8.1	73.6	8.6	4.59	1029	18.98	3.86
1166	PHYTOGEN 72	4.45	1.10	81.8	33.9	8.6	72.0	9.0	4.61	1061	19.04	3.79

1214	PM 2167 RR	4.76	0.99	81.9	30.5	8.0	71.3	8.5	4.88	911	20.62	3.92
1225	GA 98028	4.35	1.10	81.2	32.0	7.0	76.0	9.0	4.70	581	19.55	3.72
.	LSD	0.48	0.04	0.7	2.4	0.5	1.4	0.4	0.41	244	1.91	0.21

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1316	PHY 370WR	0.94	0.56	1.50	403	21.1	1.58	91	49.24	4.74	3.1
1224	DP 555 R/R	0.61	0.38	0.99	427	23.3	1.62	89	47.72	4.33	2.9
1292	DP 393	0.83	0.58	1.41	421	21.9	1.59	90	47.46	4.36	3.0
1256	FM 960BR	0.73	0.48	1.21	430	19.2	1.53	92	44.88	4.07	3.0
1315	DP 432R	1.01	0.57	1.58	413	22.8	1.61	89	49.31	4.69	3.1
1281	DPL 455BR	0.65	0.36	1.01	433	22.8	1.61	89	46.75	4.19	2.9
1251	ST 5599BR	0.88	0.47	1.35	424	23.4	1.63	88	48.18	4.42	2.9
1196	STV 4892 BR	0.92	0.54	1.46	415	27.3	1.70	85	51.62	4.83	3.0
1295	STV 5242BR	0.83	0.45	1.28	429	25.6	1.67	87	49.05	4.45	2.9
1255	FM 960B2R	0.72	0.45	1.17	427	21.1	1.58	91	46.44	4.22	3.0
1282	DPL 445BR	1.03	0.67	1.70	429	27.1	1.70	85	49.79	4.50	2.9
1241	DP 444 BR	0.84	0.46	1.30	404	19.6	1.54	92	47.86	4.59	3.2
1166	PHYTOGEN 72	0.60	0.38	0.98	416	18.5	1.52	93	45.92	4.31	3.1
1214	PM 2167 RR	0.82	0.39	1.20	408	23.6	1.63	88	50.08	4.75	3.0
1225	GA 98028	0.73	0.46	1.19	410	20.0	1.55	92	47.50	4.48	3.1
.	LSD	0.11	0.06	0.16	33.5	4.7	0.10	4	3.25	0.62	0.3

BOLL SIZE, GRAM PER BOLL

ST 5599BR	5.21
STV 5242BR	5.09
FM 960B2R	5.07
DPL 445BR	4.81
FM 960BR	4.80
PHY 370WR	4.65
PM 2167 RR	4.62
STV 4892 BR	4.57
DP 444 BR	4.50

LINT PERCENT

DP 555 R/R	44.6
DPL 455BR	43.8
STV 5242BR	43.3
DPL 445BR	43.1
PHY 370WR	43.0
DP 444 BR	43.0
GA 98028	42.8
STV 4892 BR	42.7
DP 393	42.5

SEED INDEX

FM 960B2R	10.5
STV 5242BR	10.3
FM 960BR	10.2
ST 5599BR	10.0
GA 98028	9.9
STV 4892 BR	9.8
DP 444 BR	9.6
DP 393	9.5
PHYTOGEN 72	9.4

PHYTOGEN 72	4.50
GA 98028	4.49
DP 555 R/R	4.38
DP 393	4.30
DPL 455BR	4.23
DP 432R	3.91
LSD	0.35

ST 5599BR	42.3
DP 432R	41.7
FM 960BR	41.3
FM 960B2R	41.3
PM 2167 RR	40.3
PHYTOGEN 72	40.0
LSD	0.9

DPL 445BR	9.1
PHY 370WR	9.1
PM 2167 RR	9.0
DP 432R	8.6
DPL 455BR	8.0
DP 555 R/R	7.7
LSD	0.5

 2.5% S.L. (INCHES)

FM 960B2R	1.16
PHYTOGEN 72	1.15
DP 393	1.11
GA 98028	1.10
DP 444 BR	1.10
DPL 455BR	1.10
ST 5599BR	1.09
DPL 445BR	1.08
DP 432R	1.07
FM 960BR	1.07
STV 4892 BR	1.06
STV 5242BR	1.06
DP 555 R/R	1.06
PHY 370WR	1.05
PM 2167 RR	1.02
LSD	0.03

 UR (PERCENT)

DP 393	82.8
DP 444 BR	82.7
STV 4892 BR	82.6
PHYTOGEN 72	82.6
FM 960B2R	82.4
DP 432R	82.3
DPL 445BR	82.3
STV 5242BR	82.3
PHY 370WR	82.1
PM 2167 RR	82.0
ST 5599BR	81.9
DPL 455BR	81.8
FM 960BR	81.8
DP 555 R/R	81.3
GA 98028	81.2
LSD	0.7

 STRENGTH (G/TEX)

FM 960BR	33.8
PHYTOGEN 72	33.6
FM 960B2R	32.4
GA 98028	32.0
ST 5599BR	31.3
DP 432R	31.0
DP 393	30.7
PHY 370WR	30.6
DPL 455BR	30.5
DPL 445BR	30.4
PM 2167 RR	30.1
DP 444 BR	29.9
STV 4892 BR	29.9
DP 555 R/R	29.4
STV 5242BR	28.4
LSD	1.5

 E

DP 393	9.0
DP 432R	8.8
DPL 445BR	8.7
PHYTOGEN 72	8.6
PHY 370WR	8.4
PM 2167 RR	8.2
DP 444 BR	8.1

 MICRONAIRE (SL-HVI)

DP 432R	5.08
STV 4892 BR	5.06
PM 2167 RR	5.02
PHY 370WR	5.01
ST 5599BR	4.97
DP 393	4.95
DPL 445BR	4.90

 COLORIMETER - Rd

GA 98028	76.0
DP 555 R/R	72.2
FM 960B2R	71.6
DPL 445BR	71.6
DP 444 BR	71.4
DPL 455BR	71.3
PHY 370WR	70.9

STV 4892 BR	8.1
ST 5599BR	8.0
STV 5242BR	7.8
FM 960BR	7.7
DPL 455BR	7.6
FM 960B2R	7.6
DP 555 R/R	7.3
GA 98028	7.0
LSD	0.4

DP 555 R/R	4.89
FM 960BR	4.77
GA 98028	4.70
FM 960B2R	4.68
PHYTOGEN 72	4.61
STV 5242BR	4.58
DP 444 BR	4.54
DPL 455BR	4.44
LSD	0.28

FM 960BR	70.7
ST 5599BR	70.5
STV 5242BR	70.4
STV 4892 BR	70.3
PHYTOGEN 72	69.6
DP 432R	69.5
DP 393	69.5
PM 2167 RR	68.8
LSD	1.2

 COLORIMETER - b

GA 98028	9.0
DPL 445BR	8.7
PHYTOGEN 72	8.6
DP 432R	8.6
ST 5599BR	8.6
DPL 455BR	8.5
STV 4892 BR	8.5
DP 393	8.3
PM 2167 RR	8.2
DP 444 BR	8.1
STV 5242BR	8.1
PHY 370WR	8.1
FM 960B2R	7.8
DP 555 R/R	7.8
FM 960BR	7.5
LSD	0.4

 MICRONAIRE

DP 432R	5.02
STV 4892 BR	4.99
PHY 370WR	4.97
PM 2167 RR	4.95
ST 5599BR	4.88
DP 393	4.84
DP 555 R/R	4.79
DPL 445BR	4.74
FM 960BR	4.62
FM 960B2R	4.60
STV 5242BR	4.52
DP 444 BR	4.47
PHYTOGEN 72	4.47
GA 98028	4.35
DPL 455BR	4.35
LSD	0.31

 STELOMETER - E1

DPL 445BR	8.9
DP 432R	8.6
DP 393	8.4
PHYTOGEN 72	8.0
STV 4892 BR	7.5
DP 444 BR	7.4
STV 5242BR	7.3
PM 2167 RR	7.0
PHY 370WR	7.0
DPL 455BR	6.9
DP 555 R/R	6.5
ST 5599BR	6.5
FM 960B2R	5.7
FM 960BR	5.3
GA 98028	4.9
LSD	0.8

 STELOMETER - T1

PHYTOGEN 72	239
FM 960BR	221
DPL 445BR	218
FM 960B2R	216
DP 393	207
DPL 455BR	207

 FIBROGRAPH--50% S.L.

PHYTOGEN 72	0.56
DP 393	0.56
DPL 445BR	0.55
DP 444 BR	0.55
FM 960B2R	0.55
STV 4892 BR	0.54

 FIBROGRAPH--2.5% S.L.

FM 960B2R	1.15
PHYTOGEN 72	1.14
DP 393	1.12
DP 444 BR	1.10
DPL 455BR	1.10
DPL 445BR	1.10

DP 444 BR	205
ST 5599BR	204
GA 98028	202
DP 432R	200
PHY 370WR	198
STV 5242BR	197
STV 4892 BR	197
PM 2167 RR	192
DP 555 R/R	190
LSD	12

DP 432R	0.54
PHY 370WR	0.54
DPL 455BR	0.54
FM 960BR	0.53
STV 5242BR	0.53
ST 5599BR	0.53
PM 2167 RR	0.53
GA 98028	0.53
DP 555 R/R	0.51
LSD	0.01

ST 5599BR	1.10
STV 4892 BR	1.09
FM 960BR	1.09
DP 555 R/R	1.09
STV 5242BR	1.07
DP 432R	1.07
PHY 370WR	1.07
GA 98028	1.06
PM 2167 RR	1.02
LSD	0.03

YARN TENACITY

PHYTOGEN 72	133
DPL 455BR	122
FM 960BR	122
DP 444 BR	120
DPL 445BR	118
FM 960B2R	117
PHY 370WR	115
DP 393	114
ST 5599BR	111
DP 432R	110
STV 4892 BR	109
STV 5242BR	108
PM 2167 RR	106
DP 555 R/R	105
GA 98028	76
LSD	8

AREALOMETER - A (mm²/mm³)

DPL 455BR	433
FM 960BR	430
DPL 445BR	429
STV 5242BR	429
DP 555 R/R	427
PHYTOGEN 72	426
ST 5599BR	424
DP 393	421
FM 960B2R	420
STV 4892 BR	414
DP 432R	413
GA 98028	410
DP 444 BR	404
PM 2167 RR	403
PHY 370WR	403
LSD	23.3

AREALOMETER - D (mm²/mm³)

STV 4892 BR	29.1
DPL 445BR	27.1
STV 5242BR	25.6
PM 2167 RR	24.8
DP 555 R/R	24.4
ST 5599BR	23.4
FM 960B2R	23.0
DPL 455BR	22.8
DP 432R	22.8
DP 393	21.9
PHY 370WR	21.1
PHYTOGEN 72	20.1
GA 98028	20.0
DP 444 BR	19.6
FM 960BR	19.2
LSD	3.2

AREALOMETER - I

STV 4892 BR	1.74
DPL 445BR	1.70
STV 5242BR	1.67
PM 2167 RR	1.65
DP 555 R/R	1.64
ST 5599BR	1.63

AREALOMETER - M (PERCENT)

FM 960BR	92
DP 444 BR	92
GA 98028	92
PHYTOGEN 72	91
PHY 370WR	91
DP 393	90

AREALOMETER - p (Microns)

STV 4892 BR	52.96
PM 2167 RR	51.63
DPL 445BR	49.79
DP 432R	49.31
PHY 370WR	49.24
STV 5242BR	49.05

FM 960B2R	1.61
DP 432R	1.61
DPL 455BR	1.61
DP 393	1.59
PHY 370WR	1.58
PHYTOGEN 72	1.55
GA 98028	1.55
DP 444 BR	1.54
FM 960BR	1.53
LSD	0.07

FM 960B2R	89
DP 432R	89
DPL 455BR	89
ST 5599BR	88
DP 555 R/R	88
PM 2167 RR	87
STV 5242BR	87
DPL 445BR	85
STV 4892 BR	84
LSD	3

FM 960B2R	48.33
DP 555 R/R	48.32
ST 5599BR	48.18
DP 444 BR	47.86
GA 98028	47.50
DP 393	47.46
DPL 455BR	46.75
PHYTOGEN 72	45.79
FM 960BR	44.88
LSD	2.20

AREALOMETER - w (MG/INCH)

STV 4892 BR	4.98
PM 2167 RR	4.96
PHY 370WR	4.74
DP 432R	4.69
DP 444 BR	4.59
DPL 445BR	4.50
GA 98028	4.48
FM 960B2R	4.47
STV 5242BR	4.45
ST 5599BR	4.42
DP 555 R/R	4.40
DP 393	4.36
DPL 455BR	4.19
PHYTOGEN 72	4.19
FM 960BR	4.07
LSD	0.42

AREALOMETER - t (MICRONS)

DP 444 BR	3.2
PHY 370WR	3.1
GA 98028	3.1
PM 2167 RR	3.1
DP 432R	3.1
DP 393	3.0
PHYTOGEN 72	3.0
FM 960B2R	3.0
FM 960BR	3.0
STV 4892 BR	3.0
ST 5599BR	2.9
DP 555 R/R	2.9
STV 5242BR	2.9
DPL 455BR	2.9
DPL 445BR	2.9
LSD	0.2

SEED YIELD (LB/ACRE)

PHY 370WR	1357
DP 555 R/R	1340
ST 5599BR	1317
DP 393	1289
FM 960BR	1259
DPL 455BR	1237
STV 4892 BR	1219
DPL 445BR	1212
DP 432R	1194
DP 444 BR	1178
FM 960B2R	1140
PHYTOGEN 72	1112
STV 5242BR	1107
PM 2167 RR	968
GA 98028	581
LSD	178

OIL (PERCENT)

PM 2167 RR	21.13
FM 960B2R	20.40
FM 960BR	20.27
ST 5599BR	20.02

NITROGEN (PERCENT)

DPL 455BR	3.85
DP 444 BR	3.85
PM 2167 RR	3.83
DP 555 R/R	3.77

PLUS GOSSYPOL

DPL 445BR	1.04
STV 4892 BR	1.01
ST 5599BR	0.99
DP 432R	0.98

DP 444 BR	19.82
PHYTOGEN 72	19.72
GA 98028	19.55
PHY 370WR	19.24
DP 432R	18.84
DPL 445BR	18.52
STV 4892 BR	18.35
DP 393	17.77
STV 5242BR	17.62
DP 555 R/R	17.29
DPL 455BR	16.56
LSD	1.16

STV 5242BR	3.76
ST 5599BR	3.75
PHY 370WR	3.72
GA 98028	3.72
DP 432R	3.70
PHYTOGEN 72	3.67
DP 393	3.66
FM 960B2R	3.59
STV 4892 BR	3.57
DPL 445BR	3.53
FM 960BR	3.53
LSD	0.16

PHY 370WR	0.94
DP 393	0.90
DP 444 BR	0.87
STV 5242BR	0.86
PM 2167 RR	0.85
FM 960B2R	0.77
FM 960BR	0.74
DPL 455BR	0.73
GA 98028	0.73
DP 555 R/R	0.66
PHYTOGEN 72	0.66
LSD	0.09

 MINUS GOSSYPOL

DPL 445BR	0.69
STV 4892 BR	0.65
DP 393	0.62
PHY 370WR	0.60
DP 432R	0.58
ST 5599BR	0.57
FM 960B2R	0.53
FM 960BR	0.51
DP 444 BR	0.51
STV 5242BR	0.50
PHYTOGEN 72	0.46
GA 98028	0.46
DPL 455BR	0.45
DP 555 R/R	0.45
PM 2167 RR	0.43
LSD	0.06

 TOTAL GOSSYPOL (PERCENT)

DPL 445BR	1.73
STV 4892 BR	1.65
DP 432R	1.57
ST 5599BR	1.56
PHY 370WR	1.54
DP 393	1.52
DP 444 BR	1.38
STV 5242BR	1.36
FM 960B2R	1.31
PM 2167 RR	1.28
FM 960BR	1.26
GA 98028	1.19
DPL 455BR	1.18
PHYTOGEN 72	1.12
DP 555 R/R	1.11
LSD	0.14

LOCATION	LINT	BOLL	YARN				DIGITAL FIBROGRAPH		STELOMETER	
	YIELD (lb/acre)	SIZE (g/boll)	LINT PERCENT	SEED INDEX	TENACITY (mN/TEX)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	
JACKSON, TN	1630	.	.	.	.	.	.	.	.
GRIFFIN, GA	1266	.	42.0	.	122	1.12	0.55	200	6.9	
ROCKY MOUNT, NC	1172	5.64	42.4	.	133	1.14	0.57	216	6.4	
SUFFOLK, VA	1159	4.32	.	.	125	1.19	0.57	204	7.6	
STARKVILLE, MS	955	4.71	42.6	.	123	1.07	0.54	213	7.9	
FLORENCE, SC	873	.	42.0	9.9	100	1.10	0.53	206	7.5	
AUBURN, AL	710	4.51	41.6	9.2	111	1.05	0.52	208	7.3	
BELLE MINA, AL	413	4.14	43.8	8.8	96	1.02	0.52	199	6.6	

LOCATION	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)									
	MICRO- NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S Rd	MICRO- NAIRE b (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
JACKSON, TN	.	.	.	.	.	.	.	.	.	.
GRIFFIN, GA	4.47	1.10	82.6	31.0	7.9	68.3	7.5	4.53	1747	19.71
ROCKY MOUNT, NC	4.85	1.14	83.6	32.0	8.2	73.2	8.8	4.94	1621	21.94
SUFFOLK, VA	4.32	1.16	84.3	30.4	8.4	70.0	7.3	4.35	.	19.25
STARKVILLE, MS	4.80	1.06	82.3	30.1	8.2	74.0	7.9	4.90	1289	17.72
FLORENCE, SC	5.22	1.11	80.9	29.5	8.4	59.3	7.6	5.32	1199	18.67
AUBURN, AL	4.61	1.04	81.5	31.6	7.8	75.8	8.8	4.74	995	18.82
BELLE MINA, AL	4.71	1.01	81.0	31.5	8.0	74.4	9.7	4.86	525	17.59

LOCATION	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
JACKSON, TN	.	.	.	.	.	.	.	.	.	.
GRIFFIN, GA	0.96	0.62	1.59	435	25.0	1.66	87	47.89	4.27	2.8
ROCKY MOUNT, NC	0.94	0.61	1.55	406	21.3	1.58	90	48.90	4.67	3.1
SUFFOLK, VA	0.99	0.69	1.68	452	32.5	1.81	82	50.52	4.36	2.7
STARKVILLE, MS	0.78	0.45	1.23	404	20.0	1.55	91	48.09	4.60	3.1
FLORENCE, SC	0.83	0.57	1.41	396	24.4	1.64	88	52.23	5.12	3.1
AUBURN, AL	0.78	0.44	1.21	415	22.3	1.60	89	48.64	4.57	3.0
BELLE MINA, AL	0.75	0.43	1.17	425	23.7	1.63	88	48.12	4.40	2.9

LOCATION=FLORENCE, SC

VARIETY CODE	VARIETY NAME	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/TEX)	DIGITAL FIBROGRAPH 2.5% S.L. 50% S.L. (inches) (inches)		STELOMETER T1 E1 (mN/tex) (%)	
1224	DP 555 R/R	1230	.	44.3	8.9	97	1.11	0.51	191	6.5
1251	ST 5599BR	1066	.	42.5	10.4	81	1.11	0.53	210	6.0
1292	DP 393	978	.	41.3	10.4	105	1.14	0.56	213	9.1
1281	DPL 455BR	975	.	43.9	8.5	103	1.11	0.52	204	7.2
1241	DP 444 BR	958	.	42.4	10.0	102	1.08	0.53	201	7.3
1256	FM 960BR	919	.	41.4	10.6	114	1.12	0.55	210	6.0
1316	PHY 370WR	915	.	42.3	9.7	103	1.08	0.54	191	7.9
1295	STV 5242BR	905	.	42.8	10.9	93	1.06	0.53	195	7.8
1282	DPL 445BR	842	.	42.1	9.8	103	1.09	0.54	210	9.2
1315	DP 432R	826	.	41.6	9.3	98	1.10	0.55	197	9.0
1196	STV 4892 BR	712	.	42.0	10.3	95	1.08	0.52	205	8.3
1255	FM 960B2R	690	.	41.8	10.8	100	1.16	0.54	222	5.7
1214	PM 2167 RR	650	.	40.7	9.5	81	0.99	0.52	191	7.2
1166	PHYTOGEN 72	553	.	39.0	10.0	124	1.14	0.54	247	8.0
.	LSD	225	.	1.2	0.6	10	0.05	0.03	9	0.9

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO- NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	Rd	COLORIMETER HUNTER'S b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1224	DP 555 R/R	5.45	1.10	80.7	29.0	7.9	60.0	7.9	5.50	1542	17.43	3.92
1251	ST 5599BR	5.65	1.10	80.0	30.0	8.3	60.5	7.6	5.80	1441	20.28	4.04
1292	DP 393	5.10	1.15	82.1	28.5	9.1	57.0	7.6	5.25	1391	17.18	3.83
1281	DPL 455BR	4.95	1.10	80.2	30.0	8.0	62.0	7.9	4.95	1248	14.59	4.29
1241	DP 444 BR	4.90	1.10	81.2	28.0	8.1	61.5	7.4	4.95	1299	19.61	4.32
1256	FM 960BR	5.25	1.10	80.6	34.0	8.2	58.5	7.1	5.35	1306	20.25	3.48
1316	PHY 370WR	5.20	1.10	81.4	30.0	8.9	59.0	7.3	5.45	1248	18.69	3.76
1295	STV 5242BR	5.55	1.05	81.6	27.5	8.2	61.0	7.4	5.60	1218	18.38	3.98
1282	DPL 445BR	5.05	1.10	81.2	27.5	8.7	61.0	8.4	5.30	1165	18.22	3.71

1315	DP 432R	5.40	1.10	81.0	28.5	9.2	57.0	7.4	5.50	1160	18.89	3.80
1196	STV 4892 BR	5.20	1.10	80.7	28.5	8.6	60.0	8.0	5.35	986	18.23	3.72
1255	FM 960B2R	5.05	1.20	81.1	32.5	7.9	57.5	6.9	5.20	960	20.05	3.67
1214	PM 2167 RR	5.55	1.00	80.7	28.0	8.2	56.0	7.7	5.50	953	21.01	3.98
1166	PHYTOGEN 72	4.75	1.20	81.0	31.5	8.4	58.5	8.0	4.75	869	18.67	3.88
.	LSD	0.55	0.06	1.2	1.7	0.6	5.5	0.8	0.38	311	0.83	0.20

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----							
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)	
1224	DP 555 R/R	0.75	0.55	1.30	386	21.0	1.58	91	51.19	5.13	3.3	
1251	ST 5599BR	1.02	0.62	1.63	.	.	.	.	.	.	.
1292	DP 393	0.89	0.66	1.55	.	.	.	.	.	.	.
1281	DPL 455BR	0.61	0.41	1.02	.	.	.	.	.	.	.
1241	DP 444 BR	0.83	0.53	1.35	.	.	.	.	.	.	.
1256	FM 960BR	0.72	0.56	1.28	.	.	.	.	.	.	.
1316	PHY 370WR	0.90	0.64	1.53	.	.	.	.	.	.	.
1295	STV 5242BR	0.80	0.50	1.30	.	.	.	.	.	.	.
1282	DPL 445BR	0.97	0.68	1.64	.	.	.	.	.	.	.
1315	DP 432R	0.90	0.62	1.52	.	.	.	.	.	.	.
1196	STV 4892 BR	1.00	0.71	1.71	393	31.3	1.79	83	57.22	5.65	3.1	
1255	FM 960B2R	0.78	0.59	1.36	397	23.5	1.63	89	51.56	5.04	3.1	
1214	PM 2167 RR	0.84	0.46	1.30	383	25.3	1.67	87	54.63	5.52	3.2	
1166	PHYTOGEN 72	0.70	0.53	1.23	423	20.8	1.57	91	46.56	4.26	3.0	
.	LSD	0.09	0.09	0.16	25.9	4.3	0.09	4	1.52	0.43	0.3	

LOCATION=ROCKY MOUNT, NC

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER	
		YIELD (lb/acre)	SIZE (g/boll)			TENACITY (mN/TEX)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1224	DP 555 R/R	1402	5.05	44.5	.	128	1.15	0.54	204	5.9
1316	PHY 370WR	1345	5.65	43.2	.	129	1.13	0.57	222	6.8
1241	DP 444 BR	1306	5.34	43.8	.	133	1.15	0.58	205	6.5
1281	DPL 455BR	1258	4.91	44.4	.	144	1.17	0.57	228	6.4
1282	DPL 445BR	1238	5.68	43.8	.	131	1.14	0.57	226	8.3
1196	STV 4892 BR	1210	5.70	43.5	.	126	1.13	0.56	202	6.1
1255	FM 960B2R	1135	6.24	40.4	.	139	1.16	0.57	221	4.7
1251	ST 5599BR	1089	6.75	41.4	.	132	1.14	0.56	212	5.7
1166	PHYTOGEN 72	999	5.49	40.5	.	153	1.21	0.61	250	7.4

1214	PM 2167 RR	741	5.56	38.9	.	120	1.05	0.56	191	6.2
.	LSD	126	0.48	1.6	.	6	0.05	0.04	21	1.0

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO- NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	Rd	COLORIMETER HUNTER'S b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1224	DP 555 R/R	4.90	1.10	82.0	31.5	7.8	74.5	8.2	5.15	1783	19.70	3.44
1316	PHY 370WR	5.00	1.10	83.7	30.5	8.6	73.0	8.1	5.00	1772	22.70	3.38
1241	DP 444 BR	4.45	1.15	84.5	30.5	8.0	75.0	8.5	4.40	1654	22.21	3.48
1281	DPL 455BR	4.45	1.20	83.6	33.0	7.9	73.5	9.2	4.50	1641	19.21	3.42
1282	DPL 445BR	4.90	1.10	83.8	31.0	8.8	74.0	8.8	5.00	1605	19.91	3.31
1196	STV 4892 BR	5.30	1.10	83.3	31.0	8.2	73.5	9.5	5.35	1676	21.75	3.17
1255	FM 960B2R	4.85	1.20	83.8	34.5	7.8	74.0	8.7	4.85	1589	23.80	3.20
1251	ST 5599BR	5.00	1.10	83.7	31.0	7.8	70.5	9.4	5.20	1719	24.07	3.36
1166	PHYTOGEN 72	4.55	1.20	84.8	35.0	8.8	71.5	9.1	4.75	1562	22.50	3.28
1214	PM 2167 RR	5.05	1.10	83.0	31.5	8.5	72.5	8.6	5.15	1209	23.55	3.42
.	LSD	0.28	0.05	1.0	2.1	0.5	2.1	0.9	0.16	142	0.89	0.28

---GOSSYPOL LEVELS---

-----AREALOMETER DATA-----

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1224	DP 555 R/R	0.68	0.49	1.17	414	20.3	1.56	91	47.21	4.41	3.0
1316	PHY 370WR	1.02	0.70	1.71	.	.	.	.	.	.	.
1241	DP 444 BR	0.97	0.60	1.57	.	.	.	.	.	.	.
1281	DPL 455BR	0.82	0.52	1.33	.	.	.	.	.	.	.
1282	DPL 445BR	1.17	0.80	1.97	.	.	.	.	.	.	.
1196	STV 4892 BR	1.22	0.82	2.04	391	25.3	1.67	87	53.58	5.30	3.2
1255	FM 960B2R	0.81	0.56	1.36	397	18.5	1.52	93	48.00	4.68	3.2
1251	ST 5599BR	1.09	0.63	1.71	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.71	0.53	1.24	424	17.3	1.49	94	44.02	4.02	3.1
1214	PM 2167 RR	0.91	0.48	1.39	405	25.3	1.67	87	51.71	4.95	3.1
.	LSD	0.08	0.08	0.15	34.0	4.6	0.11	4	3.29	0.65	0.4

LOCATION='SUFFOLK, VA'

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER	
		YIELD (lb/acre)	SIZE (g/boll)			TENACITY (mN/TEX)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1281	DPL 455BR	1308	4.52	.	.	130	1.24	0.59	193	9.8
1224	DP 555 R/R	1292	4.50	.	.	122	1.17	0.55	205	7.2
1256	FM 960BR	1267	4.30	.	.	134	1.18	0.57	229	6.0
1241	DP 444 BR	1247	4.40	.	.	129	1.22	0.58	202	7.8
1295	STV 5242BR	1164	4.39	.	.	118	1.15	0.57	184	8.3
1251	ST 5599BR	1164	4.23	.	.	121	1.22	0.56	203	7.3
1196	STV 4892 BR	1143	4.27	.	.	118	1.18	0.57	193	8.3
1166	PHYTOGEN 72	1132	4.27	.	.	142	1.26	0.62	241	7.7
1292	DP 393	1036	4.29	.	.	115	1.17	0.57	175	8.6
1214	PM 2167 RR	999	4.08	.	.	113	1.07	0.55	198	7.3
1255	FM 960B2R	992	4.33	.	.	135	1.25	0.59	220	5.0
.	LSD	250	0.17	.	.	9	0.04	0.03	7	1.7

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO-	2.5%	UNIFO-	STRE-	COLORIMETER			MICRO-	SEED	OIL (%)	NITR OGEN (%)
		NAIRE (reading)	S.L. (in.)	MITY (%)	NGTH (g/tex)	E	Rd	HUNTER'S b	NAIRE (Reading)	YIELD (lb/ac)		
1281	DPL 455BR	4.00	1.20	85.0	29.0	8.7	70.0	7.3	4.30	.	16.95	3.25
1224	DP 555 R/R	4.20	1.15	84.6	29.5	8.1	71.0	7.9	4.15	.	17.59	3.67
1256	FM 960BR	4.40	1.10	83.4	34.0	8.1	71.0	6.7	4.40	.	20.81	3.48
1241	DP 444 BR	4.00	1.20	85.8	29.0	8.3	69.0	6.6	4.10	.	21.04	3.74
1295	STV 5242BR	4.50	1.10	84.0	28.0	8.6	68.5	7.5	4.45	.	17.59	3.44
1251	ST 5599BR	4.35	1.20	83.4	31.0	8.3	71.0	7.9	4.10	.	19.34	3.28
1196	STV 4892 BR	4.60	1.10	83.8	30.0	7.9	70.5	7.3	4.55	.	18.23	3.26
1166	PHYTOGEN 72	4.20	1.25	85.2	33.0	8.7	69.5	7.5	4.30	.	20.73	3.36
1292	DP 393	4.20	1.15	84.8	28.5	8.7	70.0	7.5	4.25	.	19.16	3.52
1214	PM 2167 RR	5.00	1.10	82.5	29.0	8.5	68.0	7.1	5.00	.	20.86	3.72
1255	FM 960B2R	4.10	1.20	84.8	33.0	8.1	72.0	7.7	4.20	.	19.48	3.56
.	LSD	0.63	0.10	1.6	2.7	1.5	2.7	1.1	0.32	.	1.88	0.31

LOCATION=AUBURN, AL

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT	SEED	YARN	DIGITAL FIBROGRAPH		STELOMETER	
		YIELD (lb/acre)	SIZE (g/boll)	PERCENT	INDEX	TENACITY (mN/TEX)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1295	STV 5242BR	846	5.66	41.8	10.2	113	1.06	0.53	198	6.5
1292	DP 393	789	4.35	41.8	9.1	113	1.06	0.53	219	7.7
1224	DP 555 R/R	782	4.21	44.7	7.7	79	1.00	0.48	189	7.8
1196	STV 4892 BR	771	4.37	42.2	9.6	113	1.05	0.54	198	8.9
1316	PHY 370WR	768	4.42	42.1	9.1	120	1.08	0.55	211	6.4
1251	ST 5599BR	747	5.35	41.4	10.2	105	1.07	0.52	189	6.4
1282	DPL 445BR	732	4.35	42.3	8.7	120	1.07	0.54	222	7.7
1315	DP 432R	711	3.93	40.9	8.5	115	1.05	0.53	211	8.3
1255	FM 960B2R	698	4.69	41.5	10.1	93	1.09	0.52	213	7.2
1281	DPL 455BR	694	3.93	43.0	8.1	119	1.07	0.53	212	6.9
1256	FM 960BR	671	4.97	39.9	10.0	120	1.05	0.51	218	4.7
1241	DP 444 BR	637	4.20	40.6	9.7	112	1.04	0.54	200	6.8
1214	PM 2167 RR	554	4.50	40.3	8.9	95	1.03	0.52	200	7.9
1166	PHYTOGEN 72	548	4.29	40.0	9.1	137	1.07	0.52	236	9.6
.	LSD	104	0.39	1.0	0.7	23	0.03	0.02	16	1.2

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO-	2.5%	UNIFO-	STRE-	COLORIMETER			MICRO-	SEED	OIL (%)	NITR OGEN (%)
		NAIRE (reading)	S.L. (in.)	MITY (%)	NGTH (g/tex)	E	Rd	HUNTER'S b	NAIRE (Reading)	YIELD (lb/ac)		
1295	STV 5242BR	4.25	1.05	81.9	28.5	7.5	77.5	8.9	4.55	1178	18.66	3.96
1292	DP 393	4.75	1.10	82.4	32.0	9.1	75.5	9.2	4.95	1100	17.42	3.74
1224	DP 555 R/R	5.15	0.95	80.1	29.5	6.7	78.0	8.1	5.20	965	16.29	4.01
1196	STV 4892 BR	5.00	1.00	82.8	32.5	8.3	75.0	9.1	5.10	1057	18.14	3.80
1316	PHY 370WR	4.45	1.05	82.5	32.0	8.1	76.0	8.5	4.60	1058	18.92	3.93
1251	ST 5599BR	4.90	1.00	80.7	32.0	7.8	75.5	9.1	5.10	1055	21.48	4.14
1282	DPL 445BR	4.70	1.05	82.3	32.0	8.5	75.5	9.1	4.80	996	18.43	3.52
1315	DP 432R	4.75	1.10	82.0	32.0	8.2	75.0	9.4	4.80	1026	19.26	3.81
1255	FM 960B2R	4.40	1.10	80.8	33.0	7.0	78.5	8.5	4.55	982	19.84	3.93
1281	DPL 455BR	4.25	1.05	80.6	30.5	7.0	76.0	8.7	4.25	924	14.70	4.41
1256	FM 960BR	4.60	1.05	81.1	34.0	7.3	76.5	8.4	4.65	1012	20.30	3.74
1241	DP 444 BR	4.30	1.05	81.9	29.0	7.5	75.0	8.7	4.40	931	20.39	4.06
1214	PM 2167 RR	4.60	1.00	80.9	31.5	7.9	73.0	8.9	4.85	820	20.05	4.02
1166	PHYTOGEN 72	4.40	1.05	81.3	34.0	8.7	74.0	9.4	4.55	822	19.62	4.06
.	LSD	0.44	0.12	1.5	1.9	0.4	2.9	0.5	0.30	139	0.64	0.12

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	M I	(%)	p (microns)	w (mg/in)	t (microns)
1295	STV 5242BR	0.74	0.40	1.14	408	24.0	1.64	88	50.57	4.83	3.1
1292	DP 393	0.76	0.52	1.28	428	18.8	1.53	93	44.73	4.04	3.0
1224	DP 555 R/R	0.60	0.36	0.95	430	26.5	1.69	86	49.47	4.45	2.9
1196	STV 4892 BR	0.94	0.54	1.48	387	23.8	1.64	88	53.15	5.33	3.2
1316	PHY 370WR	0.85	0.48	1.33	396	21.5	1.59	90	50.41	4.94	3.2
1251	ST 5599BR	0.88	0.41	1.29	396	20.5	1.56	91	49.58	4.85	3.2
1282	DPL 445BR	1.00	0.62	1.61	436	29.0	1.74	84	50.14	4.47	2.8
1315	DP 432R	0.94	0.52	1.46	385	20.8	1.57	91	51.44	5.23	3.3
1255	FM 960B2R	0.73	0.47	1.20	426	20.8	1.57	91	46.34	4.22	3.0
1281	DPL 455BR	0.57	0.30	0.86	437	22.8	1.61	89	46.61	4.17	2.9
1256	FM 960BR	0.64	0.40	1.04	446	19.0	1.53	93	43.19	3.77	2.9
1241	DP 444 BR	0.87	0.43	1.29	396	22.8	1.62	89	51.17	5.01	3.2
1214	PM 2167 RR	0.78	0.35	1.13	397	21.3	1.58	90	49.99	4.87	3.2
1166	PHYTOGEN 72	0.61	0.37	0.98	443	20.3	1.56	91	44.14	3.86	2.9
.	LSD	0.07	0.07	0.11	24.3	3.1	0.07	3	3.84	0.58	0.2

LOCATION=STARKVILLE, MS

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER	
		YIELD (lb/acre)	SIZE (g/boll)			TENACITY (mN/TEX)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1315	DP 432R	1113	4.00	41.9	.	121	1.08	0.55	198	9.4
1316	PHY 370WR	1099	4.55	43.2	.	117	1.02	0.52	197	7.4
1281	DPL 455BR	1058	4.42	44.9	.	120	1.03	0.52	206	6.8
1292	DP 393	1057	4.37	43.3	.	123	1.12	0.56	213	9.4
1295	STV 5242BR	1034	5.48	43.5	.	111	1.06	0.53	215	7.4
1196	STV 4892 BR	999	4.60	43.5	.	112	1.09	0.55	197	7.5
1282	DPL 445BR	993	4.73	43.2	.	132	1.11	0.55	222	11.5
1251	ST 5599BR	987	5.26	42.0	.	139	1.04	0.53	241	8.0
1256	FM 960BR	954	5.12	41.1	.	131	1.07	0.53	226	5.4
1241	DP 444 BR	933	4.58	44.0	.	143	1.11	0.56	244	9.0
1224	DP 555 R/R	908	4.47	44.1	.	102	1.07	0.52	189	7.2
1214	PM 2167 RR	791	4.83	39.3	.	119	1.00	0.53	185	6.5
1255	FM 960B2R	728	5.03	41.6	.	119	1.11	0.53	205	6.0
1166	PHYTOGEN 72	720	4.50	40.6	.	141	1.08	0.55	243	8.5
.	LSD	177	0.62	1.4	.	7	0.07	0.03	20	1.1

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)												
VARIETY	VARIETY	MICRO-	2.5%	UNIFO-	STRE-	COLORIMETER			MICRO-	SEED	OIL	NITR
CODE	NAME	NAIRE	S.L.	MITY	NGTH	HUNTER'S			NAIRE	YIELD	(%)	OGEN
		(reading)	(in.)	(%)	(g/tex)	E	Rd	b	(Reading)	(lb/ac)		(%)
1315	DP 432R	5.00	1.05	83.1	30.0	8.8	73.5	8.6	5.00	1402	17.78	3.58
1316	PHY 370WR	5.00	1.00	82.0	29.0	8.3	73.5	7.7	5.00	1421	17.84	3.79
1281	DPL 455BR	4.40	1.05	81.8	29.5	7.5	74.0	8.2	4.55	1418	15.33	4.05
1292	DP 393	4.95	1.10	83.1	30.0	9.1	74.0	7.7	5.10	1346	16.02	3.52
1295	STV 5242BR	4.95	1.05	81.9	27.0	7.7	74.0	7.5	4.90	1326	17.96	3.63
1196	STV 4892 BR	5.10	1.05	82.7	28.0	8.1	73.0	8.8	5.20	1387	16.62	3.68
1282	DPL 445BR	4.60	1.10	83.0	29.5	8.5	74.5	8.1	4.75	1334	16.84	3.55
1251	ST 5599BR	4.60	1.10	82.1	33.0	8.7	74.0	8.5	4.80	1615	18.44	3.78
1256	FM 960BR	4.25	1.05	82.7	31.0	7.4	74.0	6.9	4.55	1315	19.96	3.29
1241	DP 444 BR	5.10	1.10	82.2	34.0	9.0	74.0	8.6	5.10	1107	17.33	4.06
1224	DP 555 R/R	4.80	1.05	81.3	28.0	7.2	76.0	6.8	5.00	1201	17.17	3.80
1214	PM 2167 RR	5.00	1.00	82.4	30.0	8.2	72.0	8.0	5.05	1039	20.07	4.03
1255	FM 960B2R	4.60	1.10	81.4	29.0	7.0	76.0	7.5	4.60	1031	18.84	3.62
1166	PHYTOGEN 72	4.85	1.10	82.2	33.5	8.9	74.0	8.6	4.95	1103	17.89	3.92
.	LSD	0.35	0.10	0.9	1.4	0.6	2.3	0.5	0.30	239	1.15	0.22

---GOSSYPOL LEVELS---					---AREALOMETER DATA---						
VARIETY	VARIETY	PLUS	MINUS	TOTAL	A	D	M	p	w	t	
CODE	NAME	(+)	(-)	(%)	---(mm2/mm3)---		I	(%)	(microns)	(mg/in)	(microns)
1315	DP 432R	0.91	0.51	1.42	.	.	.	.	.	.
1316	PHY 370WR	0.91	0.52	1.43	.	.	.	.	.	.
1281	DPL 455BR	0.68	0.38	1.05	.	.	.	.	.	.
1292	DP 393	0.77	0.52	1.29	.	.	.	.	.	.
1295	STV 5242BR	0.83	0.44	1.26	.	.	.	.	.	.
1196	STV 4892 BR	0.89	0.49	1.38	392	20.5	1.56	91	50.09	4.94	3.2
1282	DPL 445BR	0.97	0.61	1.57	.	.	.	.	.	.
1251	ST 5599BR	0.68	0.40	1.08	412	22.5	1.61	89	48.95	4.59	3.0
1256	FM 960BR	0.72	0.45	1.17	.	.	.	.	.	.
1241	DP 444 BR	0.68	0.39	1.07	390	13.5	1.0	97	44.94	4.45	3.4
1224	DP 555 R/R	0.72	0.41	1.13	405	20.0	1.5	92	48.07	4.59	3.1
1214	PM 2167 RR	0.82	0.39	1.21	404	24.3	1.64	88	51.06	4.88	3.1
1255	FM 960B2R	0.72	0.43	1.15	428	21.5	1.59	90	46.55	4.22	3.0

1166	PHYTOGEN 72	0.68	0.40	1.08	401	18.0	1.51	93	46.95	4.52	3.2
.	LSD	0.07	0.07	0.10	29.6	8.3	0.19	7	3.11	0.26	0.4

LOCATION=BELLE MINA, AL

VARIETY CODE	VARIETY NAME	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/TEX)	DIGITAL FIBROGRAPH 2.5% S.L. (inches)	50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1295	STV 5242BR	535	4.83	44.8	9.8	100	1.05	0.54	187	7.3
1316	PHY 370WR	511	3.96	44.8	8.5	101	1.01	0.51	178	7.1
1315	DP 432R	492	3.79	44.4	8.0	101	1.02	0.54	209	7.8
1282	DPL 445BR	475	4.50	44.8	8.8	104	1.06	0.56	222	8.3
1292	DP 393	475	4.18	44.8	9.0	103	1.08	0.57	215	7.3
1256	FM 960BR	448	4.80	43.2	10.1	95	0.98	0.50	223	5.1
1225	GA 98028	437	4.49	42.8	9.9	76	1.06	0.53	202	4.9
1241	DP 444 BR	392	4.01	45.0	9.1	104	1.04	0.53	197	6.9
1251	ST 5599BR	380	4.47	43.2	9.4	80	0.99	0.50	172	5.9
1224	DP 555 R/R	358	3.66	45.7	6.4	91	0.97	0.48	169	5.3
1214	PM 2167 RR	351	4.14	42.8	8.8	101	0.97	0.51	194	7.4
1281	DPL 455BR	329	3.37	43.4	7.5	108	1.00	0.51	213	6.7
1196	STV 4892 BR	324	3.91	43.1	9.3	81	1.01	0.52	195	5.9
1166	PHYTOGEN 72	279	3.94	40.7	9.0	102	1.05	0.54	218	7.0
.	LSD	138	0.42	1.3	1.0	28	0.05	0.03	15	1.6

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO- NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	RD	COLORIMETER HUNTER'S b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1295	STV 5242BR	4.75	1.00	82.0	29.5	7.7	75.5	9.8	4.80	658	18.47	4.01
1316	PHY 370WR	5.15	1.00	81.0	31.0	8.3	74.0	9.9	5.05	628	16.09	4.00
1315	DP 432R	5.00	1.00	81.9	34.5	9.3	74.0	10.0	5.15	612	17.90	3.88
1282	DPL 445BR	4.75	1.05	81.5	32.5	9.1	75.0	9.9	5.00	584	19.10	3.79
1292	DP 393	4.90	1.00	81.4	33.5	9.3	72.0	9.9	5.05	586	17.27	3.91
1256	FM 960BR	4.90	1.00	80.5	33.0	7.4	76.0	9.1	5.15	589	17.99	3.85
1225	GA 98028	4.35	1.10	81.2	32.0	7.0	76.0	9.0	4.70	581	19.55	3.72
1241	DP 444 BR	4.35	1.00	81.2	31.0	8.0	75.0	9.7	4.55	476	16.61	3.72
1251	ST 5599BR	5.40	1.00	80.9	29.5	7.5	74.5	10.0	5.35	496	16.35	4.17
1224	DP 555 R/R	4.45	0.95	78.8	27.0	6.5	75.5	9.1	4.65	425	15.46	3.97
1214	PM 2167 RR	4.75	0.95	81.5	31.5	8.1	73.5	9.7	4.95	463	19.71	4.07
1281	DPL 455BR	3.85	1.00	79.9	30.0	7.0	73.5	10.5	4.00	424	17.73	3.68

1196	STV 4892 BR	5.10	1.00	81.2	30.0	7.8	72.5	10.0	5.30	423	16.85	3.81
1166	PHYTOGEN 72	4.25	1.05	81.0	35.5	8.6	74.0	9.9	4.40	407	17.14	3.79
.	LSD	0.32	0.08	1.5	2.7	0.5	2.6	0.6	0.24	160	2.74	0.27

---GOSSYPOL LEVELS--- -----AREALOMETER DATA-----

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1295	STV 5242BR	0.74	0.40	1.14	451	27.3	1.71	86	47.54	4.08	2.7
1316	PHY 370WR	0.81	0.47	1.28	410	20.8	1.57	91	48.07	4.54	3.1
1315	DP 432R	0.98	0.53	1.51	442	24.8	1.66	87	47.17	4.15	2.8
1282	DPL 445BR	0.96	0.61	1.57	423	25.3	1.67	87	49.45	4.52	2.9
1292	DP 393	0.75	0.52	1.27	415	25.0	1.66	88	50.19	4.68	3.0
1256	FM 960BR	0.65	0.41	1.06	414	19.4	1.53	92	46.57	4.38	3.1
1225	GA 98028	0.73	0.46	1.19	410	20.0	1.55	92	47.50	4.48	3.1
1241	DP 444 BR	0.80	0.42	1.22	425	22.5	1.61	89	47.48	4.32	3.0
1251	ST 5599BR	0.84	0.42	1.26	466	27.3	1.71	85	46.00	3.82	2.7
1224	DP 555 R/R	0.53	0.31	0.84	426	23.5	1.62	89	47.70	4.33	3.0
1214	PM 2167 RR	0.85	0.38	1.22	405	21.0	1.58	91	48.72	4.67	3.1
1281	DPL 455BR	0.54	0.30	0.83	429	22.8	1.61	89	46.89	4.22	2.9
1196	STV 4892 BR	0.86	0.49	1.34	458	33.8	1.84	81	50.32	4.25	2.6
1166	PHYTOGEN 72	0.46	0.29	0.74	377	18.0	1.51	94	50.16	5.15	3.4
.	LSD	0.16	0.16	0.24	28.0	7.2	0.15	6	2.51	0.34	0.3

LOCATION=GRIFFIN, GA

VARIETY CODE	VARIETY NAME	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/TEX)	DIGITAL FIBROGRAPH 2.5% S.L. 50% S.L.	STELOMETER T1 E1
						(inches) (inches)	(mN/tex) (%)	
1224	DP 555 R/R	1683	.	44.3	.	118	1.15 0.53	183 6.0
1316	PHY 370WR	1492	.	42.6	.	119	1.12 0.56	191 6.5
1256	FM 960BR	1455	.	41.2	.	136	1.13 0.56	221 4.9
1292	DP 393	1434	.	41.5	.	124	1.17 0.58	210 8.3
1281	DPL 455BR	1363	.	43.6	.	132	1.11 0.54	195 4.8
1196	STV 4892 BR	1302	.	42.2	.	120	1.13 0.56	187 7.7
1166	PHYTOGEN 72	1243	.	39.5	.	136	1.18 0.58	240 7.9
1251	ST 5599BR	1195	.	43.1	.	117	1.12 0.54	201 6.4
1315	DP 432R	1181	.	40.0	.	117	1.11 0.54	188 8.8
1282	DPL 445BR	1175	.	42.6	.	122	1.14 0.56	207 8.7
1241	DP 444 BR	1162	.	42.0	.	118	1.10 0.55	187 7.4
1295	STV 5242BR	897	.	43.8	.	115	1.08 0.51	206 6.3

1214	PM 2167 RR	876	.	39.9	.	113	1.02	0.54	184	6.8
.	LSD	240	.	0.9	.	9	0.04	0.03	10	1.0

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO-NAIRE (reading)	2.5% S.L. (in.)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Rd	COLORIMETER HUNTER'S b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITROGEN (%)
1224	DP 555 R/R	4.60	1.10	82.1	31.0	7.1	70.5	6.5	4.60	2122	17.41	3.57
1316	PHY 370WR	5.00	1.05	82.3	31.0	8.2	70.0	7.3	4.95	2014	21.22	3.47
1256	FM 960BR	4.30	1.10	82.4	36.5	7.8	68.0	6.7	4.50	2075	22.34	3.33
1292	DP 393	5.15	1.15	83.4	31.5	8.6	68.5	8.2	5.10	2023	19.58	3.43
1281	DPL 455BR	4.55	1.10	81.8	31.5	7.4	70.0	7.8	4.50	1768	17.39	3.89
1196	STV 4892 BR	4.60	1.10	84.1	29.0	7.9	67.5	7.0	4.55	1787	18.65	3.56
1166	PHYTOGEN 72	4.30	1.20	82.7	32.5	8.2	66.0	8.2	4.55	1910	21.53	3.40
1251	ST 5599BR	4.25	1.10	82.5	32.5	7.5	67.5	7.7	4.45	1577	20.16	3.49
1315	DP 432R	4.95	1.10	83.7	30.0	8.4	68.0	7.7	4.95	1771	20.36	3.45
1282	DPL 445BR	4.45	1.10	81.9	30.0	8.3	69.5	7.9	4.55	1586	18.63	3.29
1241	DP 444 BR	4.20	1.10	82.4	28.0	8.0	70.5	7.6	4.30	1603	21.59	3.61
1295	STV 5242BR	3.10	1.10	82.3	30.0	7.2	66.0	7.7	3.20	1152	14.66	3.56
1214	PM 2167 RR	4.70	1.00	82.9	29.0	7.9	66.5	7.6	4.65	1323	22.67	3.58
.	LSD	0.40	0.06	1.6	2.4	0.4	2.1	0.8	0.30	331	1.26	0.15

---GOSSYPOL LEVELS--- -----AREALOMETER DATA-----

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A --- (mm2/mm3) ---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1224	DP 555 R/R	0.60	0.46	1.05	447	23.3	1.63	89	45.63	3.96	2.8
1316	PHY 370WR	1.18	0.79	1.97	.	.	.	.	.	.	.
1256	FM 960BR	0.93	0.65	1.57	.	.	.	.	.	.	.
1292	DP 393	1.04	0.77	1.81	.	.	.	.	.	.	.
1281	DPL 455BR	0.81	0.49	1.29	.	.	.	.	.	.	.
1196	STV 4892 BR	1.00	0.66	1.65	424	31.3	1.79	82	52.93	4.82	2.9
1166	PHYTOGEN 72	0.64	0.49	1.13	444	17.8	1.50	94	42.45	3.70	2.9
1251	ST 5599BR	1.12	0.64	1.76	.	.	.	.	.	.	.
1315	DP 432R	1.20	0.74	1.93	.	.	.	.	.	.	.
1282	DPL 445BR	1.19	0.86	2.05	.	.	.	.	.	.	.
1241	DP 444 BR	1.03	0.60	1.63	.	.	.	.	.	.	.
1295	STV 5242BR	1.01	0.56	1.57	.	.	.	.	.	.	.
1214	PM 2167 RR	0.82	0.44	1.26	427	27.8	1.72	85	50.57	4.58	2.9
.	LSD	0.08	0.08	0.12	49.2	5.0	0.11	4	3.81	0.70	0.4

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