



2006 National Cotton Variety Test

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**National Cotton Variety Tests, 2006
Yield, Boll, Seed, Spinning and Data**

2006 HIGH QUALITY REGIONAL COTTON VARIETY TEST

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/TEX)	DIGITAL FIBROGRAPH		STELOMETER	
		YIELD (lb/acre)	SIZE (g/boll)				2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1313	PHY 485WRF	1238	4.44	41.2	10.1	121	1.14	0.56	219	8.5
1224	DP 555 R/R	1238	4.71	43.4	8.8	112	1.12	0.53	202	5.8
1282	DPL 445BR	1204	4.96	42.7	9.9	125	1.14	0.57	215	8.8
1196	STV 4892 BR	1182	4.96	42.6	10.9	114	1.10	0.55	199	6.9
1281	DPL 455BR	1180	4.41	43.3	9.3	130	1.14	0.55	215	6.3

1256	FM 960BR	1142	5.47	40.5	11.3	137	1.13	0.56	229	5.2
1308	DP 147RF	1135	5.14	41.3	10.1	123	1.19	0.55	208	5.5
1307	DP 143B2R	1114	4.97	40.0	10.0	120	1.21	0.56	207	6.9
1305	CS 44	1089	5.30	41.6	10.8	120	1.18	0.56	204	6.6
1306	CS 45	1084	4.57	40.0	10.0	123	1.16	0.55	218	7.7
1310	MD 391	1068	5.06	40.2	10.3	132	1.22	0.58	223	8.2
1309	FM 9063B2F	1053	5.60	39.9	11.8	130	1.18	0.56	222	6.1
1255	FM 960B2R	1039	5.42	40.3	11.1	133	1.16	0.55	235	5.3
1304	CS 38	999	5.06	39.6	11.0	128	1.17	0.57	213	7.2
1314	PHY 745WRF	996	4.84	40.5	10.6	135	1.16	0.57	231	9.0
1303	CS 37	978	4.57	39.7	9.8	120	1.14	0.55	217	7.3
1311	NM 1155	962	4.58	38.3	10.3	138	1.22	0.58	243	6.4
1166	PHYTOGEN 72	958	5.11	39.5	10.4	142	1.18	0.58	254	7.5
1312	NM 03012	953	4.88	38.9	11.0	146	1.22	0.60	263	6.9
1301	ARK 9610	941	5.57	40.6	10.7	112	1.14	0.57	195	7.2
1302	ARK JJ46	931	5.36	40.3	10.2	126	1.19	0.58	208	7.5
.	LSD	113	0.30	0.9	0.7	6	0.02	0.01	9	0.6

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	COLORIMETER HUNTER'S Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1313	PHY 485WRF	5.04	1.13	83.2	30.7	9.1	71.8	8.3	5.04	1810	20.21	3.62
1224	DP 555 R/R	4.68	1.12	82.0	29.4	7.3	74.8	7.3	4.84	1628	16.91	3.74
1282	DPL 445BR	4.71	1.14	83.2	30.5	8.6	73.3	8.2	4.74	1581	18.54	3.55
1196	STV 4892 BR	5.11	1.10	82.7	30.1	8.2	71.9	8.5	5.19	1577	18.39	3.66
1281	DPL 455BR	4.37	1.15	82.4	31.4	7.6	73.8	8.6	4.49	1549	16.01	4.01
1256	FM 960BR	4.80	1.13	82.7	34.4	7.7	73.8	7.6	4.91	1689	20.62	3.50
1308	DP 147RF	4.51	1.21	82.2	29.8	7.4	73.6	7.7	4.51	1655	19.51	3.57
1307	DP 143B2R	4.41	1.21	82.3	28.8	7.5	74.5	7.6	4.36	1729	19.59	3.46
1305	CS 44	5.01	1.17	83.0	29.8	7.6	73.3	7.9	5.04	1484	20.43	3.78
1306	CS 45	4.73	1.16	83.0	30.9	8.0	73.9	7.8	4.72	1666	21.30	3.60
1310	MD 391	4.39	1.22	84.1	31.3	8.4	74.5	7.8	4.41	1634	19.56	3.74
1309	FM 9063B2F	4.65	1.19	83.0	31.7	7.6	75.7	7.4	4.73	1569	21.04	3.49
1255	FM 960B2R	4.70	1.16	82.6	33.1	7.5	73.6	7.7	4.78	1522	20.67	3.56
1304	CS 38	4.66	1.18	83.1	30.9	7.9	73.6	7.9	4.72	1512	20.18	3.69
1314	PHY 745WRF	4.41	1.17	83.4	32.4	8.7	71.9	8.2	4.50	1463	19.55	3.85
1303	CS 37	4.61	1.16	82.5	30.9	8.0	74.2	7.8	4.63	1478	21.71	3.62
1311	NM 1155	4.25	1.22	83.0	32.2	7.8	71.0	7.5	4.24	1484	20.50	3.76
1166	PHYTOGEN 72	4.59	1.18	82.9	34.3	8.4	71.1	8.6	4.66	1416	19.82	3.75
1312	NM 03012	4.92	1.20	83.6	35.6	8.7	73.7	8.2	4.98	1424	20.89	3.71
1301	ARK 9610	5.29	1.18	83.8	30.6	8.5	72.5	8.1	5.23	1347	18.79	3.61
1302	ARK JJ46	4.54	1.20	83.9	29.6	8.1	72.6	8.4	4.58	1394	19.26	3.63
.	LSD	0.22	0.03	0.6	1.0	0.3	1.2	0.3	0.21	194	0.66	0.12

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1313	PHY 485WRF	0.96	0.58	1.54	423	26.6	1.69	86	50.33	4.61	2.9
1224	DP 555 R/R	0.65	0.47	1.11	431	23.6	1.63	88	47.37	4.28	2.9
1282	DPL 445BR	0.97	0.69	1.66	425	25.9	1.68	87	49.51	4.52	2.9
1196	STV 4892 BR	0.97	0.65	1.61	402	25.9	1.68	87	52.50	5.10	3.1
1281	DPL 455BR	0.68	0.45	1.13	447	24.9	1.65	88	46.49	4.05	2.8
1256	FM 960BR	0.68	0.52	1.20	410	17.9	1.50	93	45.96	4.36	3.1
1308	DP 147RF	0.86	0.69	1.55	441	25.8	1.67	87	47.57	4.20	2.8
1307	DP 143B2R	0.87	0.68	1.55	456	28.5	1.73	85	47.59	4.07	2.7
1305	CS 44	0.89	0.59	1.47	404	20.5	1.56	91	48.57	4.67	3.2
1306	CS 45	0.85	0.48	1.33	432	27.5	1.71	85	49.76	4.48	2.9
1310	MD 391	0.80	0.73	1.53	452	29.7	1.75	84	48.84	4.22	2.7
1309	FM 9063B2F	0.64	0.52	1.16	427	22.0	1.59	90	46.87	4.27	2.9
1255	FM 960B2R	0.73	0.53	1.25	420	24.0	1.64	88	49.03	4.54	2.9
1304	CS 38	0.80	0.56	1.36	430	27.4	1.71	85	49.93	4.53	2.9
1314	PHY 745WRF	0.67	0.43	1.11	446	24.2	1.64	88	46.20	4.01	2.8
1303	CS 37	0.85	0.49	1.34	435	28.7	1.73	84	49.85	4.45	2.8
1311	NM 1155	0.81	0.50	1.31	462	26.1	1.68	86	45.65	3.84	2.7
1166	PHYTOGEN 72	0.66	0.49	1.16	427	18.6	1.51	93	44.57	4.05	3.0
1312	NM 03012	0.82	0.56	1.39	409	17.4	1.49	94	45.84	4.35	3.1
1301	ARK 9610	0.73	0.51	1.24	396	24.0	1.64	88	51.96	5.10	3.1
1302	ARK JJ46	0.89	0.60	1.49	442	26.5	1.69	86	48.23	4.25	2.8
.	LSD	0.06	0.06	0.11	15.4	3.5	0.07	3	1.33	0.20	0.1

BOLL SIZE, GRAM PER BOLL

FM 9063B2F	5.60
ARK 9610	5.57
FM 960BR	5.47
FM 960B2R	5.42
ARK JJ46	5.36
CS 44	5.30
DP 147RF	5.14
PHYTOGEN 72	5.11
CS 38	5.06
MD 391	5.06
DP 143B2R	4.97
DPL 445BR	4.96
STV 4892 BR	4.96

LINT PERCENT

DP 555 R/R	43.4
DPL 455BR	43.3
DPL 445BR	42.7
STV 4892 BR	42.6
CS 44	41.6
DP 147RF	41.3
PHY 485WRF	41.2
ARK 9610	40.6
PHY 745WRF	40.5
FM 960BR	40.5
FM 960B2R	40.3
ARK JJ46	40.3
MD 391	40.2

SEED INDEX

FM 9063B2F	11.8
FM 960BR	11.3
FM 960B2R	11.1
CS 38	11.0
NM 03012	11.0
STV 4892 BR	10.9
CS 44	10.8
ARK 9610	10.7
PHY 745WRF	10.6
PHYTOGEN 72	10.4
MD 391	10.3
NM 1155	10.3
ARK JJ46	10.2

NM 03012	4.88
PHY 745WRF	4.84
DP 555 R/R	4.71
NM 1155	4.58
CS 37	4.57
CS 45	4.57
PHY 485WRF	4.44
DPL 455BR	4.41
LSD	0.30

DP 143B2R	40.0
CS 45	40.0
FM 9063B2F	39.9
CS 37	39.7
CS 38	39.6
PHYTOGEN 72	39.5
NM 03012	38.9
NM 1155	38.3
LSD	0.9

DP 147RF	10.1
PHY 485WRF	10.1
CS 45	10.0
DP 143B2R	10.0
DPL 445BR	9.9
CS 37	9.8
DPL 455BR	9.3
DP 555 R/R	8.8
LSD	0.7

 2.5% S.L. (INCHES)

NM 1155	1.22
MD 391	1.22
DP 143B2R	1.21
DP 147RF	1.21
NM 03012	1.20
ARK JJ46	1.20
FM 9063B2F	1.19
PHYTOGEN 72	1.18
CS 38	1.18
ARK 9610	1.18
CS 44	1.17
PHY 745WRF	1.17
CS 45	1.16
FM 960B2R	1.16
CS 37	1.16
DPL 455BR	1.15
DPL 445BR	1.14
FM 960BR	1.13
PHY 485WRF	1.13
DP 555 R/R	1.12
STV 4892 BR	1.10
LSD	0.03

 UR (PERCENT)

MD 391	84.1
ARK JJ46	83.9
ARK 9610	83.8
NM 03012	83.6
PHY 745WRF	83.4
PHY 485WRF	83.2
DPL 445BR	83.2
CS 38	83.1
NM 1155	83.0
CS 45	83.0
CS 44	83.0
FM 9063B2F	83.0
PHYTOGEN 72	82.9
STV 4892 BR	82.7
FM 960BR	82.7
FM 960B2R	82.6
CS 37	82.5
DPL 455BR	82.4
DP 143B2R	82.3
DP 147RF	82.2
DP 555 R/R	82.0
LSD	0.6

 STRENGTH (G/TEX)

NM 03012	35.6
FM 960BR	34.4
PHYTOGEN 72	34.3
FM 960B2R	33.1
PHY 745WRF	32.4
NM 1155	32.2
FM 9063B2F	31.7
DPL 455BR	31.4
MD 391	31.3
CS 38	30.9
CS 45	30.9
CS 37	30.9
PHY 485WRF	30.7
ARK 9610	30.6
DPL 445BR	30.5
STV 4892 BR	30.1
DP 147RF	29.8
CS 44	29.8
ARK JJ46	29.6
DP 555 R/R	29.4
DP 143B2R	28.8
LSD	1.0

 E

PHY 485WRF	9.1
NM 03012	8.7
PHY 745WRF	8.7
DPL 445BR	8.6

 MICRONAIRE (SL-HVI)

ARK 9610	5.23
STV 4892 BR	5.19
PHY 485WRF	5.04
CS 44	5.04

 COLORIMETER - Rd

FM 9063B2F	75.7
DP 555 R/R	74.8
MD 391	74.5
DP 143B2R	74.5

ARK 9610	8.5
MD 391	8.4
PHYTOGEN 72	8.4
STV 4892 BR	8.2
ARK JJ46	8.1
CS 45	8.0
CS 37	8.0
CS 38	7.9
NM 1155	7.8
FM 960BR	7.7
FM 9063B2F	7.6
CS 44	7.6
DPL 455BR	7.6
FM 960B2R	7.5
DP 143B2R	7.5
DP 147RF	7.4
DP 555 R/R	7.3
LSD	0.3

NM 03012	4.98
FM 960BR	4.91
DP 555 R/R	4.84
FM 960B2R	4.78
DPL 445BR	4.74
FM 9063B2F	4.73
CS 45	4.72
CS 38	4.72
PHYTOGEN 72	4.66
CS 37	4.63
ARK JJ46	4.58
DP 147RF	4.51
PHY 745WRF	4.50
DPL 455BR	4.49
MD 391	4.41
DP 143B2R	4.36
NM 1155	4.24
LSD	0.21

CS 37	74.2
CS 45	73.9
FM 960BR	73.8
DPL 455BR	73.8
NM 03012	73.7
FM 960B2R	73.6
DP 147RF	73.6
CS 38	73.6
CS 44	73.3
DPL 445BR	73.3
ARK JJ46	72.6
ARK 9610	72.5
PHY 745WRF	71.9
STV 4892 BR	71.9
PHY 485WRF	71.8
PHYTOGEN 72	71.1
NM 1155	71.0
LSD	1.2

 COLORIMETER - b

DPL 455BR	8.6
PHYTOGEN 72	8.6
STV 4892 BR	8.5
ARK JJ46	8.4
PHY 485WRF	8.3
NM 03012	8.2
DPL 445BR	8.2
PHY 745WRF	8.2
ARK 9610	8.1
CS 38	7.9
CS 44	7.9
MD 391	7.8
CS 45	7.8
CS 37	7.8
DP 147RF	7.7
FM 960B2R	7.7
FM 960BR	7.6
DP 143B2R	7.6
NM 1155	7.5
FM 9063B2F	7.4
DP 555 R/R	7.3
LSD	0.3

 MICRONAIRE

ARK 9610	5.29
STV 4892 BR	5.11
PHY 485WRF	5.04
CS 44	5.01
NM 03012	4.92
FM 960BR	4.80
CS 45	4.73
DPL 445BR	4.71
FM 960B2R	4.70
DP 555 R/R	4.68
CS 38	4.66
FM 9063B2F	4.65
CS 37	4.61
PHYTOGEN 72	4.59
ARK JJ46	4.54
DP 147RF	4.51
PHY 745WRF	4.41
DP 143B2R	4.41
MD 391	4.39
DPL 455BR	4.37
NM 1155	4.25
LSD	0.22

 STELOMETER - E1

PHY 745WRF	9.0
DPL 445BR	8.8
PHY 485WRF	8.5
MD 391	8.2
CS 45	7.7
ARK JJ46	7.5
PHYTOGEN 72	7.5
CS 37	7.3
CS 38	7.2
ARK 9610	7.2
NM 03012	6.9
DP 143B2R	6.9
STV 4892 BR	6.9
CS 44	6.6
NM 1155	6.4
DPL 455BR	6.3
FM 9063B2F	6.1
DP 555 R/R	5.8
DP 147RF	5.5
FM 960B2R	5.3
FM 960BR	5.2
LSD	0.6

STELOMETER - T1

NM 03012	263
PHYTOGEN 72	254
NM 1155	243
FM 960B2R	235
PHY 745WRF	231
FM 960BR	229
MD 391	223
FM 9063B2F	222
PHY 485WRF	219
CS 45	218
CS 37	217
DPL 455BR	215
DPL 445BR	215
CS 38	213
DP 147RF	208
ARK JJ46	208
DP 143B2R	207
CS 44	204
DP 555 R/R	202
STV 4892 BR	199
ARK 9610	195
LSD	9

FIBROGRAPH--50% S.L.

NM 03012	0.60
MD 391	0.58
PHYTOGEN 72	0.58
ARK JJ46	0.58
NM 1155	0.58
DPL 445BR	0.57
ARK 9610	0.57
PHY 745WRF	0.57
CS 38	0.57
FM 9063B2F	0.56
CS 44	0.56
FM 960BR	0.56
PHY 485WRF	0.56
DP 143B2R	0.56
CS 45	0.55
DP 147RF	0.55
FM 960B2R	0.55
DPL 455BR	0.55
CS 37	0.55
STV 4892 BR	0.55
DP 555 R/R	0.53
LSD	0.01

FIBROGRAPH--2.5% S.L.

NM 1155	1.22
NM 03012	1.22
MD 391	1.22
DP 143B2R	1.21
ARK JJ46	1.19
DP 147RF	1.19
FM 9063B2F	1.18
PHYTOGEN 72	1.18
CS 44	1.18
CS 38	1.17
FM 960B2R	1.16
PHY 745WRF	1.16
CS 45	1.16
DPL 455BR	1.14
DPL 445BR	1.14
ARK 9610	1.14
PHY 485WRF	1.14
CS 37	1.14
FM 960BR	1.13
DP 555 R/R	1.12
STV 4892 BR	1.10
LSD	0.02

YARN TENACITY

NM 03012	146
PHYTOGEN 72	142
NM 1155	138
FM 960BR	137
PHY 745WRF	135
FM 960B2R	133
MD 391	132
DPL 455BR	130
FM 9063B2F	130
CS 38	128
ARK JJ46	126
DPL 445BR	125
CS 45	123
DP 147RF	123
PHY 485WRF	121
CS 37	120
DP 143B2R	120
CS 44	120

AREALOMETER - A (mm²/mm³)

NM 1155	462
DP 143B2R	456
MD 391	452
DPL 455BR	447
PHY 745WRF	446
ARK JJ46	442
DP 147RF	441
CS 37	435
CS 45	432
DP 555 R/R	431
CS 38	430
FM 9063B2F	427
PHYTOGEN 72	427
DPL 445BR	425
PHY 485WRF	423
FM 960B2R	420
FM 960BR	410
NM 03012	409

AREALOMETER - D (mm²/mm³)

MD 391	29.7
CS 37	28.7
DP 143B2R	28.5
CS 45	27.5
CS 38	27.4
PHY 485WRF	26.6
ARK JJ46	26.5
NM 1155	26.1
DPL 445BR	25.9
STV 4892 BR	25.9
DP 147RF	25.8
DPL 455BR	24.9
PHY 745WRF	24.2
FM 960B2R	24.0
ARK 9610	24.0
DP 555 R/R	23.6
FM 9063B2F	22.0
CS 44	20.5

STV 4892 BR	114	CS 44	404	PHYTOGEN 72	18.6
DP 555 R/R	112	STV 4892 BR	402	FM 960BR	17.9
ARK 9610	112	ARK 9610	396	NM 03012	17.4
LSD	6	LSD	15.4	LSD	3.5

----- AREALOMETER - I -----		----- AREALOMETER - M (PERCENT) -----		----- AREALOMETER - p (Microns) -----	
MD 391	1.75	NM 03012	94	STV 4892 BR	52.50
CS 37	1.73	FM 960BR	93	ARK 9610	51.96
DP 143B2R	1.73	PHYTOGEN 72	93	PHY 485WRF	50.33
CS 45	1.71	CS 44	91	CS 38	49.93
CS 38	1.71	FM 9063B2F	90	CS 37	49.85
PHY 485WRF	1.69	DP 555 R/R	88	CS 45	49.76
ARK JJ46	1.69	FM 960B2R	88	DPL 445BR	49.51
NM 1155	1.68	ARK 9610	88	FM 960B2R	49.03
DPL 445BR	1.68	PHY 745WRF	88	MD 391	48.84
STV 4892 BR	1.68	DPL 455BR	88	CS 44	48.57
DP 147RF	1.67	DP 147RF	87	ARK JJ46	48.23
DPL 455BR	1.65	STV 4892 BR	87	DP 143B2R	47.59
PHY 745WRF	1.64	DPL 445BR	87	DP 147RF	47.57
FM 960B2R	1.64	NM 1155	86	DP 555 R/R	47.37
ARK 9610	1.64	PHY 485WRF	86	FM 9063B2F	46.87
DP 555 R/R	1.63	ARK JJ46	86	DPL 455BR	46.49
FM 9063B2F	1.59	CS 38	85	PHY 745WRF	46.20
CS 44	1.56	CS 45	85	FM 960BR	45.96
PHYTOGEN 72	1.51	DP 143B2R	85	NM 03012	45.84
FM 960BR	1.50	CS 37	84	NM 1155	45.65
NM 03012	1.49	MD 391	84	PHYTOGEN 72	44.57
LSD	0.07	LSD	3	LSD	1.33

----- AREALOMETER - w (MG/INCH) -----		----- AREALOMETER - t (MICRONS) -----		----- SEED YIELD (LB/ACRE) -----	
ARK 9610	5.10	CS 44	3.2	PHY 485WRF	1810
STV 4892 BR	5.10	FM 960BR	3.1	DP 143B2R	1729
CS 44	4.67	NM 03012	3.1	FM 960BR	1689
PHY 485WRF	4.61	ARK 9610	3.1	CS 45	1666
FM 960B2R	4.54	STV 4892 BR	3.1	DP 147RF	1655
CS 38	4.53	PHYTOGEN 72	3.0	MD 391	1634
DPL 445BR	4.52	FM 9063B2F	2.9	DP 555 R/R	1628
CS 45	4.48	FM 960B2R	2.9	DPL 445BR	1581
CS 37	4.45	PHY 485WRF	2.9	STV 4892 BR	1577
FM 960BR	4.36	DPL 445BR	2.9	FM 9063B2F	1569
NM 03012	4.35	DP 555 R/R	2.9	DPL 455BR	1549

DP 555 R/R	4.28
FM 9063B2F	4.27
ARK JJ46	4.25
MD 391	4.22
DP 147RF	4.20
DP 143B2R	4.07
PHYTOGEN 72	4.05
DPL 455BR	4.05
PHY 745WRF	4.01
NM 1155	3.84
LSD	0.20

CS 38	2.9
CS 45	2.9
CS 37	2.8
DP 147RF	2.8
ARK JJ46	2.8
DPL 455BR	2.8
PHY 745WRF	2.8
MD 391	2.7
DP 143B2R	2.7
NM 1155	2.7
LSD	0.1

FM 960B2R	1522
CS 38	1512
CS 44	1484
NM 1155	1484
CS 37	1478
PHY 745WRF	1463
NM 03012	1424
PHYTOGEN 72	1416
ARK JJ46	1394
ARK 9610	1347
LSD	194

OIL (PERCENT)

CS 37	21.71
CS 45	21.30
FM 9063B2F	21.04
NM 03012	20.89
FM 960B2R	20.67
FM 960BR	20.62
NM 1155	20.50
CS 44	20.43
PHY 485WRF	20.21
CS 38	20.18
PHYTOGEN 72	19.82
DP 143B2R	19.59
MD 391	19.56
PHY 745WRF	19.55
DP 147RF	19.51
ARK JJ46	19.26
ARK 9610	18.79
DPL 445BR	18.54
STV 4892 BR	18.39
DP 555 R/R	16.91
DPL 455BR	16.01
LSD	0.66

NITROGEN (PERCENT)

DPL 455BR	4.01
PHY 745WRF	3.85
CS 44	3.78
NM 1155	3.76
PHYTOGEN 72	3.75
DP 555 R/R	3.74
MD 391	3.74
NM 03012	3.71
CS 38	3.69
STV 4892 BR	3.66
ARK JJ46	3.63
CS 37	3.62
PHY 485WRF	3.62
ARK 9610	3.61
CS 45	3.60
DP 147RF	3.57
FM 960B2R	3.56
DPL 445BR	3.55
FM 960BR	3.50
FM 9063B2F	3.49
DP 143B2R	3.46
LSD	0.12

PLUS GOSSYPOL

DPL 445BR	0.97
STV 4892 BR	0.97
PHY 485WRF	0.96
ARK JJ46	0.89
CS 44	0.89
DP 143B2R	0.87
DP 147RF	0.86
CS 37	0.85
CS 45	0.85
NM 03012	0.82
NM 1155	0.81
MD 391	0.80
CS 38	0.80
ARK 9610	0.73
FM 960B2R	0.73
FM 960BR	0.68
DPL 455BR	0.68
PHY 745WRF	0.67
PHYTOGEN 72	0.66
DP 555 R/R	0.65
FM 9063B2F	0.64
LSD	0.06

MINUS GOSSYPOL

TOTAL GOSSYPOL (PERCENT)

MD 391	0.73	DPL 445BR	1.66
DPL 445BR	0.69	STV 4892 BR	1.61
DP 147RF	0.69	DP 147RF	1.55
DP 143B2R	0.68	DP 143B2R	1.55
STV 4892 BR	0.65	PHY 485WRF	1.54
ARK JJ46	0.60	MD 391	1.53
CS 44	0.59	ARK JJ46	1.49
PHY 485WRF	0.58	CS 44	1.47
NM 03012	0.56	NM 03012	1.39
CS 38	0.56	CS 38	1.36
FM 960B2R	0.53	CS 37	1.34
FM 960BR	0.52	CS 45	1.33
FM 9063B2F	0.52	NM 1155	1.31
ARK 9610	0.51	FM 960B2R	1.25
NM 1155	0.50	ARK 9610	1.24
PHYTOGEN 72	0.49	FM 960BR	1.20
CS 37	0.49	FM 9063B2F	1.16
CS 45	0.48	PHYTOGEN 72	1.16
DP 555 R/R	0.47	DPL 455BR	1.13
DPL 455BR	0.45	DP 555 R/R	1.11
PHY 745WRF	0.43	PHY 745WRF	1.11
LSD	0.06	LSD	0.11

LOCATION	LINT	BOLL	YARN		DIGITAL FIBROGRAPH		STELOMETER		
	YIELD	SIZE	LINT	SEED	TENACITY	2.5% S.L.	50% S.L.	T1	E1
	(lb/acre)	(g/boll)	PERCENT	INDEX	(mN/TEX)	(inches)	(inches)	(mN/tex)	(%)
LAS CRUCES, NM	1732	5.71	42.2	.	122	1.21	0.59	207	8.2
STONEVILLE, MS	1467	5.25	40.4	10.2	130	1.17	0.56	214	7.1
LUBBOCK, TX	1265	4.76	39.2	9.7	121	1.12	0.52	209	8.3
COLLEGE STATION, TX	1203	5.07	38.0	10.3	132	1.18	0.57	215	6.3
PORTAGEVILLE, MO	1103	.	42.2	11.7	137	1.20	0.58	234	6.6
KEISER, AR	957	4.49	39.0	10.8	144	1.23	0.59	233	6.2
FLORENCE, SC	445	5.54	41.0	10.9	120	1.17	0.57	228	6.7
BELLE MINA, AL	436	4.07	43.2	9.0	110	1.06	0.53	216	7.0

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

LOCATION	MICRO-	2.5%	UNIFO-	STRE-	COLORIMETER		MICRO-	SEED	OIL	NITR
	NAIRE	S.L.	MITY	NGTH	HUNTER'S	NAIRE	YIELD			
	(reading)	(in.)	(%)	(g/tex)	E	Rd	b (Reading)	(lb/ac)	(%)	(%)

LAS CRUCES, NM	4.89	1.24	84.6	30.7	8.5	79.1	8.0	4.90	2369	22.56	3.58
STONEVILLE, MS	4.53	1.20	83.5	31.0	8.1	76.9	8.6	4.54	2144	20.45	3.28
LUBBOCK, TX	4.57	1.08	80.3	29.1	8.6	76.1	8.1	4.72	1837	20.31	3.69
COLLEGE STATION, TX	4.12	1.19	83.4	32.0	7.3	68.1	6.1	4.19	1988	18.88	3.56
PORTAGEVILLE, MO	4.67	1.19	84.3	31.9	8.0	66.4	7.7	4.60	1506	18.42	3.84
KEISER, AR	4.56	1.22	84.5	31.9	7.6	73.6	7.5	4.62	1439	20.00	3.66
FLORENCE, SC	5.33	1.18	82.2	32.5	8.4	73.4	8.2	5.49	643	19.41	3.73
BELLE MINA, AL	4.76	1.07	81.3	31.3	7.8	74.4	9.3	4.74	572	18.35	3.94

LOCATION	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
LAS CRUCES, NM	0.95	0.73	1.68	423	26.0	1.68	86	49.83	4.56	2.9
STONEVILLE, MS	0.80	0.57	1.36	446	23.3	1.62	89	45.54	3.96	2.8
LUBBOCK, TX	0.95	0.64	1.58	429	25.4	1.66	87	48.71	4.42	2.9
COLLEGE STATION, TX	0.73	0.52	1.25	458	29.8	1.75	83	48.17	4.09	2.7
PORTAGEVILLE, MO	0.70	0.48	1.18	437	26.7	1.69	86	48.65	4.31	2.8
KEISER, AR	0.78	0.57	1.35	431	22.6	1.61	89	46.91	4.23	2.9
FLORENCE, SC	0.86	0.58	1.44	378	18.7	1.52	92	50.49	5.18	3.4
BELLE MINA, AL	0.68	0.43	1.12	432	21.3	1.57	90	45.77	4.12	2.9

LOCATION=LUBBOCK, TX

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) (%)
1306	CS 45	1428	4.70	38.6	9.3	116	1.14 0.53	206 8.0
1307	DP 143B2R	1418	5.25	37.6	9.7	112	1.19 0.52	204 7.3
1308	DP 147RF	1382	5.30	39.0	9.2	119	1.14 0.52	214 6.9
1256	FM 960BR	1378	5.50	39.7	10.4	130	1.08 0.51	204 6.4
1305	CS 44	1378	4.75	40.9	10.3	111	1.10 0.52	181 8.2
1281	DPL 455BR	1361	4.35	41.6	8.7	125	1.12 0.52	200 8.2
1224	DP 555 R/R	1348	4.50	42.2	7.6	115	1.08 0.49	180 6.7
1313	PHY 485WRF	1342	4.30	36.9	9.7	115	1.12 0.53	201 11.5
1196	STV 4892 BR	1300	4.95	41.6	10.5	107	1.06 0.53	184 7.9
1166	PHYTOGEN 72	1250	4.55	38.3	10.1	136	1.16 0.54	239 8.8
1282	DPL 445BR	1237	4.50	41.3	8.9	118	1.09 0.52	203 10.3
1255	FM 960B2R	1231	5.15	40.4	10.3	123	1.09 0.51	209 5.6
1310	MD 391	1222	5.30	38.3	10.1	125	1.20 0.54	210 10.4

1311	NM 1155	1214	4.35	35.8	8.8	134	1.17	0.54	237	7.9
1309	FM 9063B2F	1197	5.50	39.8	11.3	124	1.14	0.52	207	7.8
1304	CS 38	1180	4.70	39.4	10.6	119	1.12	0.54	209	8.3
1312	NM 03012	1146	4.15	36.8	10.2	143	1.16	0.54	251	8.6
1314	PHY 745WRF	1107	4.50	38.4	10.2	126	1.11	0.52	218	10.5
1303	CS 37	927	4.10	38.9	8.9	114	1.07	0.50	218	7.9
.	LSD	366	0.79	2.2	1.2	14	0.09	0.04	15	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 (%)
1306	CS 45	4.55	1.05	80.6	28.0	8.8	77.0	8.1	4.70	2287	22.00	3.60
1307	DP 143B2R	4.20	1.15	79.1	26.5	7.9	77.0	7.8	4.20	2467	20.72	3.44
1308	DP 147RF	4.10	1.15	79.5	27.5	7.8	77.0	8.1	4.15	2154	20.00	3.56
1256	FM 960BR	4.70	1.05	80.7	32.0	8.2	76.5	7.9	4.90	1961	20.71	3.45
1305	CS 44	4.95	1.05	80.2	27.5	8.2	76.0	8.1	5.15	1892	20.85	3.81
1281	DPL 455BR	4.35	1.10	80.5	28.5	8.2	76.0	8.9	4.45	2140	17.37	4.01
1224	DP 555 R/R	4.25	1.05	79.7	27.5	8.1	79.0	7.9	4.50	1799	17.37	3.63
1313	PHY 485WRF	4.70	1.05	81.2	27.5	9.7	74.5	8.1	4.85	2473	20.74	3.39
1196	STV 4892 BR	5.35	1.05	81.0	27.0	9.0	75.0	9.0	5.65	1634	18.32	3.77
1166	PHYTOGEN 72	4.70	1.10	80.8	31.5	9.2	75.0	8.5	4.80	1554	20.61	3.69
1282	DPL 445BR	4.80	1.05	80.6	28.5	9.7	75.5	8.3	4.95	1395	18.98	3.87
1255	FM 960B2R	4.75	1.05	79.5	31.0	7.9	76.0	8.1	5.00	1407	21.44	3.75
1310	MD 391	4.30	1.15	80.9	28.5	8.8	77.5	8.1	4.45	2119	21.03	3.62
1311	NM 1155	4.05	1.15	79.8	30.5	8.3	73.0	7.3	4.10	1880	19.73	3.92
1309	FM 9063B2F	4.55	1.10	80.3	29.5	8.4	77.5	7.5	4.80	1700	21.62	3.47
1304	CS 38	4.75	1.05	80.5	29.0	8.5	76.5	8.1	4.95	1639	20.44	4.02
1312	NM 03012	4.70	1.10	80.7	34.0	9.0	74.5	8.4	4.90	1672	21.25	3.74
1314	PHY 745WRF	4.40	1.10	80.9	30.0	9.7	75.5	8.2	4.55	1540	21.11	3.72
1303	CS 37	4.65	1.05	79.4	29.0	8.8	77.0	7.8	4.60	1189	21.69	3.74
.	LSD	0.61	0.10	1.5	2.1	0.3	2.3	0.6	0.56	1299	1.27	0.31

---GOSSYPOL LEVELS---

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

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A --- (mm2/mm3) ---	D	M I (%)	p (microns)	w (mg/in)	t (microns)	
1306	CS 45	1.03	0.57	1.59	431	28.3	1.72	85	50.16	4.53	2.9
1307	DP 143B2R	1.07	0.83	1.90	454	28.3	1.73	85	47.59	4.08	2.7
1308	DP 147RF	1.01	0.79	1.80	470	31.0	1.77	83	47.23	3.92	2.7
1256	FM 960BR	0.87	0.65	1.52	415	20.8	1.57	91	47.40	4.43	3.0
1305	CS 44	1.00	0.66	1.66	394	20.0	1.55	92	49.35	4.86	3.3
1281	DPL 455BR	0.83	0.53	1.36	459	30.5	1.76	83	48.22	4.10	2.7
1224	DP 555 R/R	0.82	0.56	1.38	448	27.5	1.71	86	47.70	4.14	2.8
1313	PHY 485WRF	1.10	0.65	1.74	430	29.8	1.76	83	51.41	4.64	2.8
1196	STV 4892 BR	1.06	0.71	1.77	388	26.8	1.70	86	54.91	5.47	3.2

1166	PHYTOGEN 72	0.79	0.56	1.35	421	17.8	1.50	94	44.72	4.11	3.0
1282	DPL 445BR	1.13	0.77	1.90	411	23.8	1.63	88	49.86	4.70	3.0
1255	FM 960B2R	0.90	0.63	1.53	408	21.5	1.59	90	48.82	4.65	3.1
1310	MD 391	0.94	0.80	1.74	448	31.8	1.80	82	50.33	4.37	2.7
1311	NM 1155	0.95	0.58	1.53	466	26.0	1.68	87	45.16	3.75	2.7
1309	FM 9063B2F	0.82	0.64	1.46	414	22.5	1.61	90	48.74	4.56	3.0
1304	CS 38	0.87	0.59	1.45	417	24.8	1.66	88	49.89	4.63	3.0
1312	NM 03012	0.93	0.58	1.51	412	16.8	1.47	94	44.95	4.22	3.1
1314	PHY 745WRF	0.81	0.51	1.32	446	26.0	1.68	87	47.40	4.12	2.8
1303	CS 37	1.07	0.55	1.62	425	29.3	1.75	84	51.72	4.71	2.9
.	LSD	0.14	0.14	0.25	47.8	11.1	0.23	9	2.11	0.41	0.4

LOCATION=COLLEGE STATION, TX

VARIETY CODE	VARIETY NAME	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/TEX)	DIGITAL 2.5% S.L. (inches)	FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1313	PHY 485WRF	1549	4.74	40.6	9.9	130	1.19	0.60	219	7.8
1224	DP 555 R/R	1540	4.55	40.9	8.1	120	1.16	0.53	192	3.9
1256	FM 960BR	1443	5.59	38.5	11.2	143	1.14	0.56	234	5.2
1308	DP 147RF	1376	5.72	39.7	10.0	126	1.25	0.55	220	4.8
1305	CS 44	1342	5.73	39.0	11.5	124	1.21	0.57	204	6.0
1309	FM 9063B2F	1294	5.66	36.9	11.9	136	1.21	0.59	224	6.2
1307	DP 143B2R	1277	5.21	37.6	9.1	129	1.26	0.58	210	5.8
1282	DPL 445BR	1248	4.68	40.0	9.7	131	1.15	0.57	201	7.0
1196	STV 4892 BR	1226	5.06	40.2	11.1	123	1.15	0.58	193	5.9
1255	FM 960B2R	1185	5.45	35.7	11.8	142	1.19	0.57	237	5.2
1281	DPL 455BR	1179	4.57	40.3	9.2	136	1.15	0.57	203	5.5
1314	PHY 745WRF	1177	4.69	39.7	10.6	137	1.16	0.57	231	8.7
1306	CS 45	1128	4.38	35.7	9.4	130	1.18	0.57	215	6.4
1304	CS 38	1120	5.08	35.1	11.3	138	1.20	0.58	205	6.7
1311	NM 1155	1103	4.42	36.9	10.8	141	1.25	0.58	238	6.4
1310	MD 391	1077	5.46	36.4	10.2	130	1.19	0.58	216	7.8
1301	ARK 9610	1040	5.33	37.3	11.1	120	1.16	0.58	190	6.6
1303	CS 37	1024	4.54	35.2	9.1	127	1.16	0.56	206	5.8
1166	PHYTOGEN 72	954	5.14	36.0	10.5	145	1.18	0.58	262	7.5
1302	ARK JJ46	785	5.46	37.9	10.0	128	1.18	0.58	197	6.4
.	LSD	265	1.00	2.7	2.0	14	0.05	0.03	22	1.4

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)	SEED YIELD (lb/ac)	COLORIMETER HUNTER'S Rd	MICRO-NAIRE (Reading)	OIL (%)	NITR OGEN (%)		
1313	PHY 485WRF	4.60	1.20	84.1	31.5	8.3	66.5	6.4	4.50	2221	20.43	3.62
1224	DP 555 R/R	4.05	1.20	82.2	29.0	6.5	70.0	5.1	4.45	2302	15.74	3.67

1256	FM 960BR	4.15	1.15	83.7	34.5	7.2	68.0	5.8	4.35	2236	20.30	3.46
1308	DP 147RF	4.40	1.30	82.9	32.0	7.2	67.0	5.8	4.10	2322	18.77	3.57
1305	CS 44	4.60	1.20	83.7	32.0	7.2	70.0	6.3	4.50	1716	20.60	3.83
1309	FM 9063B2F	4.00	1.25	84.0	33.0	7.2	71.5	5.4	4.10	2171	20.78	3.31
1307	DP 143B2R	3.85	1.20	82.4	29.5	6.9	67.0	6.2	3.80	2338	18.31	3.38
1282	DPL 445BR	4.20	1.15	83.8	30.5	7.4	66.5	6.2	4.25	1887	16.99	3.34
1196	STV 4892 BR	4.50	1.10	83.5	31.5	7.6	66.0	6.2	4.65	1848	18.67	3.46
1255	FM 960B2R	4.10	1.20	83.4	34.5	7.0	68.0	5.7	4.15	2351	20.20	3.33
1281	DPL 455BR	3.75	1.15	82.8	33.5	7.0	68.0	6.3	3.95	1668	14.41	3.81
1314	PHY 745WRF	4.00	1.15	83.1	32.0	7.6	64.5	6.8	4.10	1975	18.60	3.71
1306	CS 45	4.30	1.20	84.0	32.5	7.3	69.0	5.9	4.20	2406	20.48	3.38
1304	CS 38	3.85	1.20	82.8	32.5	7.1	70.0	6.3	4.00	1884	19.09	3.53
1311	NM 1155	3.80	1.30	84.3	33.0	7.1	64.5	6.0	3.75	1446	19.59	3.63
1310	MD 391	3.90	1.20	84.0	30.5	7.5	70.5	6.2	3.95	1955	18.52	3.53
1301	ARK 9610	4.75	1.15	83.3	32.0	7.7	67.5	6.2	4.80	1531	18.81	3.59
1303	CS 37	3.70	1.15	82.8	31.0	7.2	70.0	6.3	3.80	1890	20.31	3.49
1166	PHYTOGEN 72	3.90	1.20	83.6	35.0	7.4	69.0	7.6	4.10	2145	18.02	3.83
1302	ARK JJ46	4.00	1.20	83.6	29.5	7.3	67.5	6.4	4.25	1478	19.06	3.75
.	LSD	0.44	0.12	1.7	3.1	0.5	3.4	0.9	0.39	573	1.68	0.26

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	M I	p (%)	w (microns)	t (mg/in)	t (microns)
1313	PHY 485WRF	0.99	0.62	1.61	436	29.5	1.75	84	50.50	4.50	2.8
1224	DP 555 R/R	0.52	0.42	0.94	448	26.0	1.68	86	47.16	4.08	2.7
1256	FM 960BR	0.55	0.46	1.01	443	22.8	1.61	89	45.70	3.99	2.8
1308	DP 147RF	0.75	0.64	1.39	459	28.0	1.72	85	47.08	3.96	2.6
1305	CS 44	0.86	0.62	1.48	426	19.0	1.53	92	45.03	4.08	3.0
1309	FM 9063B2F	0.58	0.48	1.06	456	28.3	1.73	85	47.64	4.05	2.7
1307	DP 143B2R	0.72	0.60	1.32	501	37.3	1.91	78	47.72	3.69	2.4
1282	DPL 445BR	0.84	0.62	1.46	450	33.0	1.82	81	50.81	4.37	2.7
1196	STV 4892 BR	1.01	0.66	1.67	415	25.3	1.67	87	50.44	4.70	3.0
1255	FM 960B2R	0.64	0.50	1.14	431	27.5	1.71	85	49.86	4.47	2.9
1281	DPL 455BR	0.53	0.36	0.89	482	30.3	1.77	84	45.87	3.68	2.5
1314	PHY 745WRF	0.70	0.45	1.15	463	27.5	1.71	85	46.50	3.89	2.7
1306	CS 45	0.74	0.43	1.17	463	33.3	1.83	81	49.66	4.16	2.6
1304	CS 38	0.76	0.51	1.26	469	33.0	1.82	81	48.86	4.04	2.6
1311	NM 1155	0.75	0.49	1.24	498	35.0	1.86	80	46.95	3.65	2.4
1310	MD 391	0.70	0.66	1.36	483	38.0	1.92	78	49.79	3.99	2.5
1301	ARK 9610	0.77	0.55	1.32	410	24.3	1.65	88	50.36	4.75	3.0
1303	CS 37	0.75	0.42	1.17	501	42.0	1.99	75	49.71	3.83	2.4
1166	PHYTOGEN 72	0.57	0.44	1.01	485	29.0	1.74	84	45.10	3.59	2.5
1302	ARK JJ46	0.86	0.55	1.41	441	27.5	1.71	85	48.73	4.27	2.8
.	LSD	0.07	0.07	0.12	42.3	11.4	0.22	9	6.19	0.76	0.3

LOCATION=STONEVILLE, MS

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)	DIGITAL FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	STELOMETER E1 (%)
1282	DPL 445BR	1883	5.43	42.0	10.0	129	1.17	0.58	214	8.9
1224	DP 555 R/R	1776	4.96	44.2	8.3	114	1.09	0.52	189	5.3
1313	PHY 485WRF	1776	4.67	41.6	9.6	124	1.12	0.54	202	7.9
1281	DPL 455BR	1753	4.58	45.1	8.4	139	1.16	0.55	212	5.2
1196	STV 4892 BR	1665	5.09	41.7	10.3	119	1.11	0.56	203	8.1
1308	DP 147RF	1578	5.70	41.5	9.9	124	1.18	0.54	191	5.2
1256	FM 960BR	1538	5.78	39.8	11.5	144	1.14	0.57	223	4.9
1305	CS 44	1509	5.57	40.4	11.4	124	1.18	0.57	202	7.2
1255	FM 960B2R	1508	5.73	40.0	11.6	143	1.12	0.53	222	5.6
1309	FM 9063B2F	1456	5.89	39.2	12.1	133	1.18	0.57	220	5.5
1302	ARK JJ46	1449	5.43	38.8	9.6	132	1.18	0.58	205	8.1
1301	ARK 9610	1416	5.65	39.8	10.3	111	1.13	0.58	184	7.7
1310	MD 391	1406	5.23	39.9	9.7	137	1.24	0.59	233	7.9
1307	DP 143B2R	1389	5.25	38.8	9.9	121	1.22	0.57	201	7.4
1311	NM 1155	1332	5.11	38.8	10.4	134	1.23	0.58	232	7.3
1306	CS 45	1306	4.42	39.6	9.2	129	1.15	0.55	226	8.4
1303	CS 37	1271	4.73	39.4	9.4	129	1.14	0.55	217	7.8
1312	NM 03012	1253	5.37	39.7	11.0	141	1.23	0.60	245	6.8
1314	PHY 745WRF	1221	5.04	40.7	10.7	137	1.18	0.59	221	9.3
1166	PHYTOGEN 72	1164	5.27	39.2	10.4	139	1.18	0.58	238	6.9
1304	CS 38	1148	5.30	38.2	10.6	133	1.18	0.56	215	7.5
.	LSD	107	0.34	1.3	0.4	8	0.03	0.03	10	1.2

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)	SEED E	COLORIMETER HUNTER'S Rd	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITROGEN (%)	
1282	DPL 445BR	4.45	1.20	84.5	31.0	8.7	76.5	8.5	4.50	2612	19.95	3.09
1224	DP 555 R/R	4.80	1.15	83.1	30.0	7.6	78.5	7.9	4.90	2223	18.11	3.71
1313	PHY 485WRF	5.50	1.10	83.8	30.0	9.4	74.0	9.5	5.40	2586	20.54	3.27
1281	DPL 455BR	4.10	1.20	82.6	31.0	7.5	76.5	9.1	4.20	2140	15.39	3.56
1196	STV 4892 BR	4.65	1.15	84.1	30.5	8.4	77.0	8.9	4.60	2304	19.86	3.15
1308	DP 147RF	4.65	1.25	82.2	29.5	7.5	77.0	8.3	4.65	2199	20.55	3.18
1256	FM 960BR	4.60	1.15	82.9	33.5	7.8	77.5	7.9	4.80	2405	22.02	3.07
1305	CS 44	5.05	1.20	83.6	29.5	7.8	77.0	8.9	5.15	2263	21.54	3.48
1255	FM 960B2R	4.70	1.20	83.5	34.0	7.8	78.5	8.3	4.60	2246	22.82	3.19
1309	FM 9063B2F	4.50	1.20	83.2	31.0	7.5	79.0	7.9	4.45	2181	21.56	3.11
1302	ARK JJ46	4.10	1.20	83.6	29.0	8.4	76.0	9.0	4.10	2202	19.92	3.18
1301	ARK 9610	4.75	1.20	84.3	29.5	8.5	76.0	8.8	4.65	2081	19.69	3.31
1310	MD 391	3.90	1.25	84.8	31.0	8.3	77.0	8.4	3.85	2081	20.26	3.28
1307	DP 143B2R	4.30	1.25	83.3	28.5	7.6	79.5	8.1	4.35	2180	19.61	3.18

1311	NM 1155	4.45	1.25	83.9	32.0	8.3	75.5	8.5	4.45	2082	22.24	3.36
1306	CS 45	4.35	1.20	82.2	31.5	8.1	77.0	8.4	4.30	1892	21.96	3.14
1303	CS 37	4.20	1.20	82.7	29.0	7.7	77.0	8.6	4.30	2037	22.36	3.25
1312	NM 03012	4.90	1.20	84.6	34.5	8.6	75.5	8.8	4.85	1855	21.21	3.37
1314	PHY 745WRF	4.35	1.20	84.0	33.5	9.3	76.0	9.0	4.45	1841	18.48	3.52
1166	PHYTOGEN 72	4.45	1.20	83.5	33.5	8.5	75.0	9.2	4.55	1728	20.77	3.33
1304	CS 38	4.35	1.20	83.0	29.5	7.8	78.5	8.5	4.25	1889	20.67	3.30
.	LSD	0.36	0.09	1.2	2.5	0.4	2.7	0.4	0.48	263	1.26	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)
1282	DPL 445BR	1.06	0.79	1.85	445	22.5	1.61	89	45.38	3.95	2.8
1224	DP 555 R/R	0.66	0.50	1.16	442	25.0	1.66	87	47.16	4.14	2.8
1313	PHY 485WRF	0.95	0.57	1.51	431	23.3	1.63	89	47.29	4.24	2.9
1281	DPL 455BR	0.65	0.45	1.10	469	21.8	1.59	90	42.55	3.51	2.7
1196	STV 4892 BR	1.08	0.71	1.79	441	30.0	1.76	84	50.07	4.40	2.8
1308	DP 147RF	0.89	0.78	1.66	434	20.0	1.55	91	44.92	4.00	2.9
1256	FM 960BR	0.63	0.51	1.14	405	11.8	1.35	99	41.98	4.02	3.3
1305	CS 44	0.95	0.63	1.58	397	18.5	1.52	93	48.06	4.69	3.2
1255	FM 960B2R	0.73	0.56	1.29	438	23.8	1.64	88	46.79	4.13	2.8
1309	FM 9063B2F	0.61	0.52	1.13	444	21.5	1.59	90	44.79	3.90	2.8
1302	ARK JJ46	0.87	0.58	1.45	486	27.0	1.70	86	43.96	3.50	2.5
1301	ARK 9610	0.75	0.53	1.27	428	27.8	1.72	85	50.38	4.55	2.9
1310	MD 391	0.77	0.74	1.51	501	31.5	1.79	83	44.95	3.47	2.4
1307	DP 143B2R	0.82	0.68	1.49	453	20.0	1.55	91	42.96	3.67	2.8
1311	NM 1155	0.84	0.49	1.33	466	21.3	1.58	90	42.50	3.53	2.7
1306	CS 45	0.81	0.43	1.23	463	28.0	1.72	85	46.75	3.91	2.7
1303	CS 37	0.88	0.47	1.35	454	30.5	1.77	83	49.07	4.18	2.7
1312	NM 03012	0.80	0.56	1.35	416	13.3	1.39	98	41.84	3.89	3.2
1314	PHY 745WRF	0.62	0.40	1.02	450	21.0	1.57	91	43.89	3.77	2.8
1166	PHYTOGEN 72	0.64	0.51	1.15	435	17.3	1.49	94	42.91	3.81	2.9
1304	CS 38	0.78	0.54	1.32	474	33.0	1.82	81	48.25	3.94	2.6
.	LSD	0.09	0.09	0.15	27.0	7.0	0.15	6	3.00	0.36	0.3

LOCATION=PORTAGEVILLE, MO

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/TEX)	DIGITAL FIBROGRAPH		STELOMETER	
		YIELD (lb/acre)	SIZE (g/boll)				2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1196	STV 4892 BR	1356	.	44.8	13.6	128	1.14	0.58	218	7.0

1282	DPL 445BR	1248	.	44.3	12.7	140	1.19	0.59	224	8.1
1313	PHY 485WRF	1229	.	42.5	13.0	129	1.15	0.58	224	8.4
1281	DPL 455BR	1219	.	44.0	12.5	142	1.18	0.57	240	5.9
1224	DP 555 R/R	1203	.	44.8	12.1	124	1.18	0.57	218	6.1
1256	FM 960BR	1189	.	42.0	12.7	146	1.16	0.57	243	4.6
1306	CS 45	1170	.	41.5	12.7	133	1.19	0.58	227	6.8
1309	FM 9063B2F	1155	.	41.0	12.7	137	1.22	0.58	240	5.2
1308	DP 147RF	1154	.	42.5	12.2	136	1.23	0.59	227	5.7
1307	DP 143B2R	1128	.	42.3	12.0	128	1.22	0.56	221	6.3
1303	CS 37	1108	.	41.8	11.9	130	1.20	0.58	236	7.2
1305	CS 44	1059	.	43.8	10.9	129	1.20	0.58	231	6.0
1304	CS 38	1055	.	41.3	11.5	138	1.22	0.59	233	6.0
1314	PHY 745WRF	1051	.	41.8	11.3	140	1.20	0.60	248	8.9
1310	MD 391	1012	.	42.0	10.9	143	1.25	0.61	230	7.5
1301	ARK 9610	1009	.	42.0	10.8	125	1.17	0.57	202	6.7
1255	FM 960B2R	1005	.	41.3	10.9	150	1.24	0.61	238	5.5
1302	ARK JJ46	974	.	42.0	10.4	136	1.20	0.58	223	6.9
1312	NM 03012	974	.	41.0	10.7	155	1.23	0.62	273	6.2
1311	NM 1155	954	.	39.3	10.9	146	1.26	0.60	255	5.9
1166	PHYTOGEN 72	915	.	41.3	10.0	150	1.25	0.62	266	7.7
.	LSD	129	.	1.0	1.4	9	0.05	0.03	14	0.8

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)		
1196	STV 4892 BR	5.00	1.10	84.5	30.5	8.3	66.5	8.6	5.00	1675	17.75	3.86
1282	DPL 445BR	4.75	1.20	84.0	31.5	8.3	65.5	8.3	4.45	1571	16.83	3.72
1313	PHY 485WRF	5.15	1.15	84.3	31.0	8.8	65.0	7.9	4.95	1663	18.44	3.70
1281	DPL 455BR	4.70	1.20	83.6	32.0	7.6	68.0	8.7	4.65	1552	15.39	4.38
1224	DP 555 R/R	4.75	1.15	83.8	32.0	7.6	69.0	7.3	4.75	1484	16.22	3.81
1256	FM 960BR	4.70	1.15	83.5	34.5	7.7	66.5	7.5	4.60	1641	18.57	3.70
1306	CS 45	4.90	1.20	84.5	31.0	7.9	67.0	7.6	4.85	1651	20.44	3.87
1309	FM 9063B2F	4.65	1.20	83.8	32.5	7.5	69.0	7.1	4.45	1664	20.32	3.71
1308	DP 147RF	4.20	1.20	83.2	30.5	7.2	66.5	7.0	4.05	1564	18.25	3.78
1307	DP 143B2R	4.00	1.20	83.8	30.0	7.3	68.0	7.3	3.95	1540	18.01	3.59
1303	CS 37	4.85	1.20	83.7	31.5	8.1	65.5	7.4	4.85	1546	21.56	3.73
1305	CS 44	5.00	1.20	84.0	30.0	7.5	66.0	7.8	4.90	1362	18.73	3.87
1304	CS 38	4.55	1.20	84.3	31.5	7.9	65.5	7.7	4.50	1502	19.21	3.78
1314	PHY 745WRF	4.55	1.20	84.5	32.5	8.5	65.5	7.4	4.55	1467	18.76	4.06
1310	MD 391	4.30	1.20	85.8	32.0	8.2	67.5	7.7	4.30	1398	17.17	4.01
1301	ARK 9610	5.20	1.20	84.5	31.0	8.4	66.0	7.9	5.10	1392	16.28	3.79
1255	FM 960B2R	4.70	1.20	84.8	35.0	8.1	66.0	7.9	4.70	1429	19.51	3.76
1302	ARK JJ46	4.50	1.20	84.6	30.0	7.9	67.5	8.3	4.35	1344	17.33	3.72
1312	NM 03012	4.75	1.20	84.9	35.0	8.6	65.5	7.4	4.75	1401	19.26	3.90
1311	NM 1155	4.25	1.20	85.4	32.0	7.6	64.5	6.9	4.15	1477	19.53	3.95

1166	PHYTOGEN 72	4.60	1.20	84.6	33.5	8.3	64.5	8.3	4.65	1301	19.36	3.91
.	LSD	0.37	0.06	1.4	1.8	0.7	2.7	0.5	0.34	177	0.79	0.11

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1196	STV 4892 BR	0.93	0.63	1.56	414	29.0	1.74	84	52.91	4.95	3.0
1282	DPL 445BR	0.69	0.48	1.17	451	31.8	1.80	82	50.12	4.31	2.7
1313	PHY 485WRF	0.87	0.53	1.39	415	27.0	1.70	86	51.51	4.80	3.0
1281	DPL 455BR	0.60	0.40	1.00	429	21.3	1.58	90	46.30	4.18	2.9
1224	DP 555 R/R	0.60	0.44	1.04	418	23.8	1.63	88	48.93	4.53	3.0
1256	FM 960BR	0.54	0.41	0.95	426	21.8	1.59	90	46.95	4.27	3.0
1306	CS 45	0.73	0.39	1.12	434	29.8	1.76	84	50.92	4.54	2.8
1309	FM 9063B2F	0.64	0.51	1.14	444	24.0	1.64	88	46.28	4.03	2.8
1308	DP 147RF	0.75	0.61	1.35	473	31.0	1.78	83	47.31	3.87	2.6
1307	DP 143B2R	0.77	0.60	1.37	480	35.5	1.87	79	48.93	3.95	2.5
1303	CS 37	0.70	0.37	1.07	424	24.3	1.65	88	48.77	4.45	2.9
1305	CS 44	0.71	0.47	1.18	423	26.3	1.69	86	50.13	4.59	2.9
1304	CS 38	0.74	0.50	1.24	447	31.5	1.79	82	50.37	4.36	2.7
1314	PHY 745WRF	0.60	0.39	0.99	441	25.5	1.67	87	47.50	4.16	2.8
1310	MD 391	0.72	0.64	1.36	468	30.3	1.77	83	47.36	3.91	2.6
1301	ARK 9610	0.64	0.45	1.09	404	23.5	1.63	88	50.65	4.86	3.1
1255	FM 960B2R	0.68	0.48	1.16	429	25.3	1.67	87	48.79	4.40	2.9
1302	ARK JJ46	0.76	0.50	1.26	453	28.3	1.73	85	47.90	4.10	2.7
1312	NM 03012	0.70	0.48	1.18	425	18.8	1.52	92	45.06	4.11	3.0
1311	NM 1155	0.70	0.45	1.14	460	31.3	1.79	82	48.80	4.10	2.6
1166	PHYTOGEN 72	0.62	0.47	1.09	430	21.5	1.59	90	46.25	4.16	2.9
.	LSD	0.15	0.15	0.24	23.1	6.4	0.13	5	3.41	0.43	0.2

LOCATION=LAS CRUCES, NM

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 (%)
1310	MD 391	1962	5.53	42.3	.	127	1.28	0.61	219	8.8
1224	DP 555 R/R	1962	5.16	44.6	.	.	.	.	.	.
1282	DPL 445BR	1954	5.89	45.0	.	117	1.18	0.58	192	10.5
1281	DPL 455BR	1924	5.11	46.1	.	127	1.17	0.56	213	7.5
1313	PHY 485WRF	1914	5.10	41.1	.	115	1.18	0.59	212	9.2
1256	FM 960BR	1839	6.69	42.1	.	140	1.15	0.57	230	6.2
1302	ARK JJ46	1836	6.52	42.0	.	113	1.24	0.61	188	8.1
1307	DP 143B2R	1832	4.92	42.0	.	117	1.24	0.57	196	8.5
1196	STV 4892 BR	1809	6.05	43.0	.	.	.	.	.	.
1308	DP 147RF	1778	5.86	42.7	.	122	1.26	0.59	200	6.5

1282	DPL 445BR	1.23	0.95	2.17	415	26.0	1.68	87	50.87	4.74	3.0
1281	DPL 455BR	0.77	0.56	1.33	433	24.8	1.66	88	47.99	4.28	2.9
1313	PHY 485WRF	1.10	0.71	1.81	405	24.5	1.65	88	51.07	4.88	3.1
1256	FM 960BR	0.81	0.68	1.49	407	18.5	1.52	93	46.80	4.45	3.1
1302	ARK JJ46	1.06	0.79	1.85	428	25.8	1.68	87	49.25	4.46	2.9
1307	DP 143B2R	1.10	0.91	2.01	452	34.5	1.85	80	51.32	4.39	2.7
1196	STV 4892 BR	.	.	.	.	.	.	.	.	.	.
1308	DP 147RF	1.03	0.93	1.96	442	29.3	1.75	84	49.67	4.35	2.8
1306	CS 45	1.05	0.64	1.68	435	30.8	1.78	83	51.37	4.57	2.8
1312	NM 03012	0.92	0.70	1.62	416	21.0	1.58	91	47.52	4.42	3.0
1303	CS 37	0.95	0.58	1.53	443	34.3	1.85	80	52.36	4.57	2.7
1255	FM 960B2R	.	.	.	.	.	.	.	.	.	.
1166	PHYTOGEN 72	.	.	.	.	.	.	.	.	.	.
1304	CS 38	0.92	0.71	1.63	414	26.5	1.69	86	51.34	4.80	3.0
1309	FM 9063B2F	0.72	0.63	1.34	425	21.0	1.57	91	46.54	4.24	3.0
1314	PHY 745WRF	0.78	0.53	1.31	436	23.0	1.62	89	46.57	4.13	2.9
1305	CS 44	1.07	0.80	1.86	406	23.0	1.61	89	49.90	4.76	3.1
1311	NM 1155	.	.	.	.	.	.	.	.	.	.
1301	ARK 9610	0.90	0.66	1.59	382	24.3	1.65	88	54.04	5.46	3.2
.	LSD	0.12	0.12	0.22	19.3	8.1	0.17	7	3.76	0.34	0.2

LOCATION=KEISER, AR

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)	DIGITAL FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	STELOMETER E1 (%)
1196	STV 4892 BR	1223	4.30	41.1	11.1	133	1.18	0.57	222	5.7
1313	PHY 485WRF	1214	4.05	40.2	10.1	137	1.19	0.57	231	7.5
1282	DPL 445BR	1100	4.25	39.9	9.7	145	1.21	0.62	239	7.4
1281	DPL 455BR	1083	3.50	41.2	9.6	147	1.23	0.60	226	5.2
1224	DP 555 R/R	1079	4.35	40.8	8.8	129	1.19	0.55	221	6.2
1306	CS 45	1065	4.65	39.4	10.6	136	1.22	0.58	216	5.9
1314	PHY 745WRF	1053	4.60	40.5	10.8	150	1.17	0.56	235	8.3
1307	DP 143B2R	978	4.15	38.4	9.8	138	1.26	0.56	208	6.1
1310	MD 391	974	3.95	38.7	10.8	146	1.27	0.61	232	7.5
1304	CS 38	967	5.00	37.6	12.0	142	1.24	0.57	224	6.4
1305	CS 44	948	4.80	39.4	11.1	140	1.24	0.59	208	4.8
1308	DP 147RF	944	3.75	39.3	10.5	146	1.26	0.59	217	4.3
1303	CS 37	913	4.65	38.4	10.5	135	1.23	0.58	229	6.6
1256	FM 960BR	856	5.10	38.0	11.7	156	1.19	0.63	237	4.9
1166	PHYTOGEN 72	837	5.05	38.1	11.5	155	1.25	0.60	268	6.7
1309	FM 9063B2F	837	5.05	37.8	12.3	152	1.23	0.58	243	5.7
1311	NM 1155	829	4.25	37.6	11.2	151	1.32	0.62	250	5.8
1255	FM 960B2R	797	5.00	38.3	11.9	152	1.25	0.59	268	5.5
1312	NM 03012	788	4.35	37.2	11.6	154	1.25	0.62	266	7.1

1302	ARK JJ46	648	4.90	38.8	10.8	134	1.26	0.59	220	7.4
.	LSD	203	0.86	1.6	0.8	10	0.04	0.03	20	1.1

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	S.L.	MITY	NGTH	HUNTER'S	NAIRE	YIELD	(%)			
		(reading)	(in.)	(%)	(g/tex)	E	Rd	b	(Reading)	(lb/ac)	(%)	(%)
1196	STV 4892 BR	4.90	1.20	83.8	30.5	7.8	75.5	8.4	4.95	1653	18.86	3.57
1313	PHY 485WRF	4.80	1.20	84.5	32.5	8.5	71.5	7.6	4.70	1634	20.20	3.71
1282	DPL 445BR	4.50	1.20	84.3	30.5	7.8	76.5	7.9	4.55	1592	18.28	3.27
1281	DPL 455BR	4.25	1.20	84.8	31.5	7.3	76.0	8.5	4.40	1489	17.02	4.04
1224	DP 555 R/R	4.45	1.15	82.7	29.0	7.0	74.5	6.7	4.55	1565	16.65	3.79
1306	CS 45	4.75	1.20	85.2	31.0	7.5	73.5	7.1	4.85	1540	21.86	3.58
1314	PHY 745WRF	4.35	1.20	84.6	34.5	8.2	70.0	7.7	4.50	1468	19.12	3.84
1307	DP 143B2R	4.25	1.30	84.0	29.0	7.0	76.0	7.1	4.20	1534	18.78	3.48
1310	MD 391	4.60	1.30	85.9	32.5	8.3	74.0	7.4	4.50	1604	20.10	3.76
1304	CS 38	4.65	1.20	84.8	31.0	7.5	71.5	7.9	4.85	1616	20.45	3.68
1305	CS 44	4.65	1.20	84.6	31.0	7.2	71.0	6.8	4.70	1322	20.60	3.74
1308	DP 147RF	4.60	1.25	84.6	29.5	7.0	74.5	7.3	4.60	1454	19.90	3.62
1303	CS 37	4.90	1.20	84.2	32.0	7.7	74.5	7.4	4.90	1550	22.86	3.65
1256	FM 960BR	4.75	1.15	83.9	34.5	7.3	74.0	7.5	4.80	1499	20.76	3.52
1166	PHYTOGEN 72	4.70	1.25	84.0	36.5	8.3	70.5	8.1	4.75	998	21.47	3.51
1309	FM 9063B2F	4.35	1.25	84.9	31.5	7.1	74.5	7.0	4.55	1305	21.11	3.38
1311	NM 1155	4.05	1.30	84.6	33.0	7.6	70.0	7.1	4.20	1514	21.67	3.70
1255	FM 960B2R	4.50	1.20	84.4	33.5	7.3	76.5	7.5	4.55	1238	20.55	3.57
1312	NM 03012	4.80	1.20	84.7	36.0	8.1	74.0	7.4	4.90	1197	21.03	3.80
1302	ARK JJ46	4.40	1.25	84.9	29.0	7.3	72.5	8.3	4.35	1016	18.85	3.95
.	LSD	0.51	0.08	1.4	2.3	0.5	2.0	0.7	0.47	438	1.49	0.33

---GOSSYPOL LEVELS---

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

VARIETY CODE	VARIETY NAME	PLUS	MINUS	TOTAL	A	D					
		(+)	(-)	(%)	---(mm2/mm3)---		I	M	p	w	t
							(%)	(microns)	(mg/in)	(microns)	
1196	STV 4892 BR	0.93	0.68	1.61	395	28.5	1.73	85	55.25	5.45	3.1
1313	PHY 485WRF	0.93	0.59	1.52	420	25.8	1.68	87	50.20	4.63	3.0
1282	DPL 445BR	0.96	0.68	1.63	428	24.5	1.65	87	48.43	4.38	2.9
1281	DPL 455BR	0.68	0.47	1.15	459	26.5	1.69	87	45.95	3.86	2.7
1224	DP 555 R/R	0.60	0.46	1.06	428	19.5	1.54	92	45.19	4.09	3.0
1306	CS 45	0.83	0.48	1.30	421	21.3	1.58	91	47.18	4.34	3.0
1314	PHY 745WRF	0.65	0.44	1.09	443	22.3	1.60	90	45.33	3.97	2.8
1307	DP 143B2R	0.88	0.71	1.58	458	24.8	1.66	87	45.36	3.83	2.7
1310	MD 391	0.80	0.75	1.55	441	25.3	1.67	87	47.44	4.16	2.8
1304	CS 38	0.78	0.55	1.33	415	25.5	1.67	87	50.59	4.72	3.0
1305	CS 44	0.87	0.60	1.47	416	17.8	1.51	94	45.34	4.23	3.1
1308	DP 147RF	0.81	0.70	1.51	430	21.5	1.59	90	46.30	4.19	2.9
1303	CS 37	0.85	0.48	1.33	422	23.0	1.62	89	48.10	4.41	3.0

1256	FM 960BR	0.65	0.50	1.15	424	17.3	1.49	94	44.06	4.02	3.0
1166	PHYTOGEN 72	0.72	0.58	1.30	416	15.5	1.45	95	43.71	4.07	3.1
1309	FM 9063B2F	0.57	0.51	1.08	441	22.3	1.61	90	45.76	4.04	2.9
1311	NM 1155	0.83	0.54	1.37	470	23.3	1.63	89	43.41	3.58	2.7
1255	FM 960B2R	0.67	0.51	1.18	431	24.5	1.65	87	48.07	4.32	2.9
1312	NM 03012	0.80	0.59	1.39	410	16.0	1.46	95	44.70	4.23	3.2
1302	ARK JJ46	0.84	0.62	1.46	450	27.5	1.71	85	47.84	4.12	2.8
.	LSD	0.10	0.10	0.19	37.0	7.0	0.15	6	3.55	0.61	0.3

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 (%)
1224	DP 555 R/R	539	4.01	47.0	7.4	76	1.04	0.51	201	6.5
1305	CS 44	531	4.38	44.3	9.1	100	1.09	0.54	195	7.0
1282	DPL 445BR	494	4.50	45.5	8.3	114	1.08	0.57	227	8.9
1313	PHY 485WRF	489	3.46	44.1	8.1	113	1.06	0.54	227	8.4
1281	DPL 455BR	476	3.56	44.7	7.7	104	0.99	0.50	197	5.8
1303	CS 37	455	3.72	41.8	8.5	98	1.04	0.53	207	7.5
1256	FM 960BR	448	3.95	43.4	9.4	114	1.05	0.52	227	5.0
1314	PHY 745WRF	447	4.01	41.6	9.5	132	1.08	0.55	240	8.7
1311	NM 1155	440	3.81	40.3	8.7	134	1.12	0.56	243	5.9
1306	CS 45	438	3.77	42.5	8.8	110	1.03	0.50	216	8.0
1310	MD 391	437	4.25	43.4	9.6	124	1.11	0.56	227	7.9
1307	DP 143B2R	429	4.22	42.8	9.0	97	1.08	0.52	206	6.8
1255	FM 960B2R	421	4.49	43.3	9.5	105	1.05	0.51	228	5.3
1304	CS 38	417	3.73	43.6	9.9	105	1.06	0.54	194	8.0
1166	PHYTOGEN 72	416	4.09	42.1	9.5	135	1.07	0.55	240	8.2
1308	DP 147RF	410	4.03	44.4	8.5	98	1.05	0.51	192	5.3
1196	STV 4892 BR	410	3.94	44.2	9.3	92	1.01	0.52	171	6.8
1309	FM 9063B2F	398	4.72	42.7	10.1	120	1.12	0.55	222	5.9
1302	ARK JJ46	385	4.16	43.1	9.1	111	1.08	0.53	202	7.7
1312	NM 03012	382	3.99	40.5	10.0	141	1.13	0.57	267	6.2
1301	ARK 9610	305	4.67	43.1	9.5	102	1.04	0.53	204	7.4
.	LSD	71	0.51	1.2	0.6	10	0.05	0.02	12	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)	SEED YIELD (lb/ac)	COLORIMETER HUNTER'S b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)	
1224	DP 555 R/R	4.95	1.00	80.5	28.5	6.8	77.0	8.5	5.10	608	16.67	3.92
1305	CS 44	5.00	1.05	80.9	29.0	7.1	73.5	9.3	4.85	667	18.28	3.98
1282	DPL 445BR	4.90	1.00	81.7	30.5	8.7	73.5	9.9	4.95	589	17.13	3.89
1313	PHY 485WRF	4.85	1.00	81.6	31.5	8.9	73.0	9.9	4.90	621	18.08	3.90

1281	DPL 455BR	4.50	1.00	80.5	30.5	7.1	74.0	10.0	4.60	588	14.92	4.34
1303	CS 37	4.45	1.10	81.5	33.0	8.1	75.0	8.8	4.25	633	20.29	3.84
1256	FM 960BR	4.45	1.05	81.3	34.0	7.4	75.0	9.0	4.80	583	18.85	3.80
1314	PHY 745WRF	4.20	1.10	82.4	32.5	8.6	73.5	9.9	4.20	629	18.54	4.10
1311	NM 1155	4.25	1.15	81.6	32.0	7.8	75.5	8.9	4.10	655	19.80	3.94
1306	CS 45	4.70	1.05	82.1	31.0	8.0	75.0	9.2	4.50	592	19.83	4.00
1310	MD 391	4.45	1.10	82.0	33.5	8.6	75.0	9.0	4.45	570	17.33	4.20
1307	DP 143B2R	4.75	1.10	79.8	27.5	7.3	74.0	8.8	4.55	573	18.83	3.85
1255	FM 960B2R	4.80	1.05	80.5	30.5	6.7	76.5	8.9	4.85	551	19.45	3.75
1304	CS 38	4.85	1.10	82.1	30.5	7.8	74.0	9.6	4.80	541	18.62	3.97
1166	PHYTOGEN 72	4.65	1.10	81.7	36.5	8.7	73.5	9.7	4.60	571	18.58	4.22
1308	DP 147RF	4.40	1.05	80.7	28.0	6.9	74.0	9.5	4.45	515	18.15	3.90
1196	STV 4892 BR	5.35	1.00	81.3	30.0	7.7	72.5	9.9	5.25	520	17.05	3.96
1309	FM 9063B2F	4.85	1.15	80.8	32.0	7.7	77.5	8.7	4.90	535	19.63	3.74
1302	ARK JJ46	4.90	1.10	81.6	28.5	7.9	72.5	9.9	4.85	507	18.74	3.81
1312	NM 03012	5.05	1.15	81.5	36.0	8.7	74.5	9.4	5.10	562	19.38	3.76
1301	ARK 9610	5.65	1.10	82.9	31.0	8.4	73.5	9.5	5.45	403	17.26	3.86
.	LSD	0.44	0.09	1.6	2.1	0.5	1.9	0.6	0.50	92	0.86	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)
1224	DP 555 R/R	0.57	0.36	0.93	468	26.8	1.70	86	45.52	3.76	2.6
1305	CS 44	0.71	0.43	1.13	.	.	.	.	.	.	.
1282	DPL 445BR	0.86	0.59	1.45	.	.	.	.	.	.	.
1313	PHY 485WRF	0.77	0.41	1.18	.	.	.	.	.	.	.
1281	DPL 455BR	0.55	0.33	0.88	.	.	.	.	.	.	.
1303	CS 37	0.71	0.34	1.05	.	.	.	.	.	.	.
1256	FM 960BR	0.63	0.44	1.07	.	.	.	.	.	.	.
1314	PHY 745WRF	0.57	0.36	0.93	.	.	.	.	.	.	.
1311	NM 1155	0.74	0.42	1.16	.	.	.	.	.	.	.
1306	CS 45	0.68	0.35	1.02	.	.	.	.	.	.	.
1310	MD 391	0.74	0.62	1.36	.	.	.	.	.	.	.
1307	DP 143B2R	0.81	0.59	1.39	.	.	.	.	.	.	.
1255	FM 960B2R	0.63	0.42	1.05	.	.	.	.	.	.	.
1304	CS 38	0.62	0.38	0.99	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.57	0.38	0.95	403	13.3	1.39	97	43.32	4.16	3.3
1308	DP 147RF	0.74	0.58	1.32	.	.	.	.	.	.	.
1196	STV 4892 BR	0.79	0.49	1.28	424	23.8	1.64	89	48.48	4.43	2.9
1309	FM 9063B2F	0.52	0.38	0.90	.	.	.	.	.	.	.
1302	ARK JJ46	0.79	0.47	1.26	.	.	.	.	.	.	.
1312	NM 03012	0.67	0.41	1.07	.	.	.	.	.	.	.
1301	ARK 9610	0.68	0.43	1.11	.	.	.	.	.	.	.
.	LSD	0.07	0.07	0.11	32.5	4.6	0.10	4	1.99	0.45	0.5

LOCATION=FLORENCE, SC

VARIETY CODE	VARIETY NAME	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/TEX)	DIGITAL 2.5% S.L. (inches)	FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1309	FM 9063B2F	502	6.29	40.7	12.1	112	1.14	0.56	208	5.3
1305	CS 44	500	5.96	42.8	11.1	115	1.20	0.58	206	6.5
1282	DPL 445BR	470	5.51	43.4	10.4	113	1.09	0.57	223	9.3
1255	FM 960B2R	470	5.81	41.2	11.9	119	1.21	0.56	245	4.9
1196	STV 4892 BR	464	5.35	44.2	10.7	100	1.06	0.53	203	6.8
1166	PHYTOGEN 72	463	5.95	39.6	10.8	138	1.20	0.60	269	6.5
1307	DP 143B2R	463	5.80	40.6	10.5	121	1.23	0.57	209	7.2
1304	CS 38	458	5.70	40.9	11.4	125	1.16	0.57	222	6.9
1224	DP 555 R/R	458	5.42	43.0	9.1	111	1.14	0.55	214	6.0
1308	DP 147RF	456	5.59	41.6	10.2	113	1.15	0.55	209	5.8
1310	MD 391	451	5.70	40.3	11.1	127	1.22	0.59	217	7.5
1301	ARK 9610	450	5.78	39.6	11.7	108	1.15	0.57	211	7.4
1256	FM 960BR	448	5.66	40.3	11.9	126	1.13	0.56	235	4.5
1281	DPL 455BR	444	5.17	43.7	9.3	122	1.16	0.56	233	7.2
1302	ARK JJ46	441	5.71	39.4	11.5	130	1.21	0.59	221	7.8
1314	PHY 745WRF	427	5.33	40.8	11.1	131	1.18	0.57	238	8.1
1303	CS 37	412	5.13	40.9	10.2	112	1.13	0.55	226	7.2
1312	NM 03012	412	5.66	37.0	12.6	149	1.27	0.62	289	6.1
1313	PHY 485WRF	395	4.75	42.4	10.0	110	1.13	0.55	235	7.6
1306	CS 45	390	4.95	40.1	10.2	116	1.17	0.57	234	7.9
1311	NM 1155	381	5.09	38.1	11.6	131	1.23	0.58	247	5.7
.	LSD	37	0.46	1.7	0.7	15	0.07	0.04	12	1.2

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)	SEED E	COLORIMETER HUNTER'S Rd	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)	
1309	FM 9063B2F	5.55	1.15	82.2	33.5	8.2	74.5	8.1	5.75	733	20.23	3.77
1305	CS 44	5.65	1.20	82.0	29.5	7.8	73.0	8.1	5.85	670	19.70	3.79
1282	DPL 445BR	5.15	1.10	82.1	32.0	9.1	73.0	8.2	5.40	613	18.83	3.59
1255	FM 960B2R	5.35	1.20	82.6	33.5	7.8	74.0	7.8	5.60	672	20.73	3.58
1196	STV 4892 BR	6.00	1.10	81.1	30.5	8.6	71.0	8.8	6.20	588	18.24	3.87
1166	PHYTOGEN 72	5.10	1.20	82.0	33.5	8.1	70.0	8.7	5.20	706	19.97	3.81
1307	DP 143B2R	5.10	1.20	82.0	30.5	7.9	75.0	7.9	5.10	676	19.86	3.42
1304	CS 38	5.15	1.20	82.2	31.0	8.1	74.0	7.9	5.35	662	19.94	3.71
1224	DP 555 R/R	5.50	1.15	82.0	29.5	7.5	75.5	7.5	5.65	607	17.65	3.70
1308	DP 147RF	5.20	1.15	80.5	31.0	7.9	73.0	8.2	5.45	643	18.54	3.50

1310	MD 391	4.90	1.25	83.8	32.0	8.9	75.0	8.2	5.10	668	19.13	3.83
1301	ARK 9610	5.70	1.20	83.3	30.5	9.1	74.0	8.2	5.80	686	17.97	3.64
1256	FM 960BR	5.85	1.15	82.1	37.5	8.2	72.5	8.0	5.90	664	19.99	3.57
1281	DPL 455BR	5.00	1.15	81.5	33.5	8.1	73.0	8.7	5.10	572	15.32	4.05
1302	ARK JJ46	5.00	1.20	84.1	31.5	8.8	73.5	8.3	5.30	681	18.99	3.54
1314	PHY 745WRF	4.90	1.20	82.4	33.5	9.1	72.0	8.1	5.05	620	19.14	4.02
1303	CS 37	5.40	1.15	81.9	32.0	8.4	75.0	8.0	5.60	596	20.77	3.74
1312	NM 03012	5.30	1.25	83.6	39.0	9.2	73.5	8.2	5.40	701	20.68	3.84
1313	PHY 485WRF	5.60	1.15	82.5	32.0	9.6	72.0	8.5	5.85	538	20.49	3.91
1306	CS 45	5.55	1.20	81.8	32.5	8.3	74.0	8.2	5.60	582	20.44	3.59
1311	NM 1155	4.90	1.20	81.6	33.0	8.0	74.0	8.2	4.95	619	20.97	3.83
.	LSD	0.47	0.09	3.0	1.5	0.5	2.7	0.6	0.38	60	0.85	0.23

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	M I	p (%)	w (microns)	t (mg/in)	t (microns)
1309	FM 9063B2F	0.69	0.54	1.22	367	14.3	1.42	96	48.38	5.11	3.6
1305	CS 44	0.93	0.51	1.44	365	18.8	1.52	93	52.20	5.53	3.5
1282	DPL 445BR	1.00	0.67	1.67	379	19.5	1.54	92	51.10	5.22	3.3
1255	FM 960B2R	0.84	0.60	1.44	382	21.3	1.58	90	51.88	5.25	3.3
1196	STV 4892 BR	0.97	0.64	1.61	340	17.8	1.50	93	55.45	6.31	3.8
1166	PHYTOGEN 72	0.74	0.53	1.27	397	15.8	1.45	95	45.96	4.48	3.3
1307	DP 143B2R	0.80	0.54	1.33	391	19.3	1.53	92	49.25	4.87	3.3
1304	CS 38	0.98	0.73	1.71	373	17.5	1.49	93	50.23	5.20	3.4
1224	DP 555 R/R	0.76	0.53	1.29	369	16.8	1.48	95	49.95	5.24	3.5
1308	DP 147RF	0.93	0.50	1.43	382	19.5	1.54	92	50.52	5.12	3.3
1310	MD 391	0.88	0.75	1.63	391	22.0	1.60	90	51.39	5.10	3.2
1301	ARK 9610	0.67	0.44	1.10	357	20.0	1.55	91	54.40	5.89	3.5
1256	FM 960BR	0.75	0.55	1.30	352	12.5	1.37	98	48.86	5.36	3.8
1281	DPL 455BR	0.81	0.53	1.34	396	19.5	1.54	92	48.54	4.73	3.2
1302	ARK JJ46	1.04	0.73	1.77	395	23.3	1.63	88	51.70	5.07	3.2
1314	PHY 745WRF	0.67	0.42	1.08	.	.	.	.	.	.	.
1303	CS 37	0.90	0.71	1.61	381	17.8	1.50	93	49.27	5.01	3.4
1312	NM 03012	0.97	0.64	1.61	373	18.5	1.52	93	50.99	5.27	3.4
1313	PHY 485WRF	1.00	0.57	1.57	.	.	.	.	.	.	.
1306	CS 45	0.93	0.59	1.51	379	21.0	1.58	90	52.29	5.35	3.3
1311	NM 1155	0.87	0.53	1.40	412	19.8	1.55	92	47.09	4.42	3.1
.	LSD	0.12	0.12	0.20	26.3	9.1	0.21	8	4.35	0.40	0.4