

Questions?

Contact - Bob Hutmacher (Univ. CA)

cell # (559) 260-8957

or e-mail: rbhutmacher@ucdavis.edu

Cooperative Project by:

San Joaquin Valley Cotton Board / University of California / Various Seed Companies

Cooperators: Hutmacher, Keeley, Delgado

LOCATION: San Joaquin Valley (2 location average)

West Side REC and Shafter locations

VARIETY	Seed Company Providing Entry	MICRONAIRE	LENGTH (inches)	STRENGTH (g/Tex)	UNIFORMITY INDEX	MANUAL CLASSING		COLOR	
						LEAF GRADE	HVI TRASH	RD	+B
PHY-72	Phytogen	4.43	1.17	34.3	82.0	1.50	0.14	78.9	8.61
10R013B2R2	Monsanto	4.19	1.17	32.2	81.8	3.00	0.31	79.6	8.25
10R052B2R2	Monsanto	4.76	1.12	29.0	81.8	1.50	0.14	80.6	8.61
11R159B2R2	Monsanto	4.34	1.15	31.2	80.6	1.88	0.16	81.0	8.10
11R136B2R2	Monsanto	4.11	1.20	32.0	81.7	2.38	0.24	81.3	7.95
10R051B2R2	Monsanto	4.69	1.14	29.2	82.3	1.25	0.10	80.8	8.65
10R020B2R2	Monsanto	4.66	1.11	28.9	82.0	1.63	0.13	80.8	8.44
BX 1261B2F	Bayer	4.09	1.15	30.6	80.8	2.00	0.16	80.8	8.21
BX 1262B2F	Bayer	3.81	1.15	31.5	80.7	2.88	0.30	79.6	8.41
BX 1252LLB2	Bayer	3.91	1.14	30.8	80.1	2.50	0.26	79.8	8.31
BX 1254LLB2	Bayer	4.66	1.13	30.4	80.9	2.63	0.31	79.2	8.25
BX 1264LLB2	Bayer	3.94	1.16	31.8	82.1	3.38	0.40	79.7	7.94
ST 4145LLB2	Bayer-Stoneville	4.36	1.14	30.1	81.5	3.25	0.40	79.3	8.04
FM 2484B2F	Bayer-Fibermax	3.95	1.18	30.8	80.8	1.75	0.15	82.6	7.38
PHY 367WRF	Phytogen	4.13	1.14	30.8	81.1	2.00	0.20	80.0	8.48
PHY 499WRF	Phytogen	4.55	1.16	31.4	82.8	3.00	0.31	78.8	8.35
PHY 725RF	Phytogen	4.13	1.19	33.9	82.0	2.50	0.28	79.0	8.43
FM 2989GLB2	Bayer-Fibermax	3.98	1.13	29.8	80.0	2.13	0.20	81.3	7.80
MEAN		4.26	1.15	31.0	81.4	2.29	0.23	80.2	8.23
LSD 0.05		0.22	0.02	1.0	0.6	0.55	0.08	0.7	0.25
%CV		5.3	1.6	3.2	0.8	23.9	33.4	0.9	3.0
P		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Variety by Location Difference

LSD 0.05	0.31	NS	NS	NS	0.66	0.10			0.33
LSD 0.10							0.8		
%CV	5.1	1.7	2.9	0.8	20.3	31.2	0.8		2.8
P	0.002	0.318	0.153	0.321	0.043	0.002	0.069		0.005

2011 UPLAND ADVANCED STRAINS TRIALS - MICRONAIRE

determined by Visalia USDA Classing Office

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LOCATION: San Joaquin Valley (2 Locations and average)

VARIETY	WEST SIDE		AVERAGE
	SHAFTER	REC	MICRONAIRE
PHY-72	4.20	4.65	4.43
10R013B2R2	4.00	4.38	4.19
10R052B2R2	4.88	4.65	4.76
11R159B2R2	4.40	4.28	4.34
11R136B2R2	3.98	4.25	4.11
10R051B2R2	4.70	4.68	4.69
10R020B2R2	4.53	4.80	4.66
BX 1261B2F	3.70	4.48	4.09
BX 1262B2F	3.55	4.08	3.81
BX 1252LLB2	3.65	4.18	3.91
BX 1254LLB2	4.53	4.80	4.66
BX 1264LLB2	3.78	4.10	3.94
ST 4145LLB2	4.25	4.48	4.36
FM 2484B2F	3.75	4.15	3.95
PHY 367WRF	3.88	4.38	4.13
PHY 499WRF	4.50	4.60	4.55
PHY 725RF	3.88	4.38	4.13
FM 2989GLB2	3.68	4.28	3.98
MEAN	4.10	4.42	4.26
LSD 0.05	0.36	0.20	0.22
CV%	6.3	3.1	5.3
P	0.000	0.000	0.000

Variety by location differences

LSD 0.05	0.31
%CV	5.1
P	0.002

2011 UPLAND ADVANCED STRAINS TRIALS - LENGTH

determined by Visalia USDA Classing Office

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Cooperative Project by:

San Joaquin Valley Cotton Board / University of California

Various seed companies

Cooperators: Hutmacher, Keeley, Delgado

LOCATION: San Joaquin Valley (2 Locations and average)

VARIETY	SHAFTER	WEST SIDE	AVERAGE
		REC	LENGTH (inches)
PHY-72	1.17	1.18	1.17
10R013B2R2	1.17	1.17	1.17
10R052B2R2	1.10	1.13	1.12
11R159B2R2	1.13	1.18	1.15
11R136B2R2	1.20	1.21	1.20
10R051B2R2	1.11	1.16	1.14
10R020B2R2	1.10	1.12	1.11
BX 1261B2F	1.14	1.16	1.15
BX 1262B2F	1.15	1.15	1.15
BX 1252LLB2	1.12	1.16	1.14
BX 1254LLB2	1.12	1.15	1.13
BX 1264LLB2	1.16	1.17	1.16
ST 4145LLB2	1.13	1.15	1.14
FM 2484B2F	1.18	1.18	1.18
PHY 367WRF	1.13	1.15	1.14
PHY 499WRF	1.15	1.18	1.16
PHY 725RF	1.18	1.20	1.19
FM 2989GLB2	1.12	1.13	1.13
MEAN	1.14	1.16	1.15
LSD 0.05	0.03	0.03	0.02
CV%	1.7	1.6	1.6
P	0.000	0.000	0.000

Variety by Location differences

LSD 0.05	NS
%CV	1.7
P	0.318

2011 UPLAND ADVANCED STRAINS TRIALS - STRENGTH

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LOCATION: San Joaquin Valley (2 Locations and average)

VARIETY	SHAFTER	WEST SIDE	AVERAGE
		REC	STRENGTH (g/Tex)
PHY-72	34.0	34.6	34.3
10R013B2R2	32.4	31.9	32.2
10R052B2R2	28.5	29.6	29.0
11R159B2R2	30.0	32.4	31.2
11R136B2R2	31.7	32.3	32.0
10R051B2R2	28.7	29.7	29.2
10R020B2R2	28.4	29.3	28.9
BX 1261B2F	30.4	30.9	30.6
BX 1262B2F	31.5	31.5	31.5
BX 1252LLB2	29.8	31.8	30.8
BX 1254LLB2	30.1	30.8	30.4
BX 1264LLB2	31.4	32.3	31.8
ST 4145LLB2	29.4	30.9	30.1
FM 2484B2F	30.6	31.1	30.8
PHY 367WRF	29.8	31.8	30.8
PHY 499WRF	31.0	31.8	31.4
PHY 725RF	32.7	35.0	33.9
FM 2989GLB2	29.2	30.3	29.8
MEAN	30.5	31.6	31.0
LSD 0.05	1.5	1.2	1.0
CV%	3.4	2.7	3.2
P	0.000	0.000	0.000

Variety by location difference

LSD 0.05	NS
%CV	2.9
P	0.153

2011 UPLAND ADVANCED STRAINS TRIALS - UNIFORMITY INDEX

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Various seed companies

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LOCATION: San Joaquin Valley (2 Locations and average)

VARIETY	SHAFTER	AVERAGE	
		WEST SIDE	UNIFORMITY INDEX
PHY-72	81.7	82.3	82.0
10R013B2R2	81.9	81.7	81.8
10R052B2R2	81.3	82.2	81.8
11R159B2R2	80.3	81.0	80.6
11R136B2R2	81.1	82.4	81.7
10R051B2R2	81.8	82.8	82.3
10R020B2R2	82.1	81.9	82.0
BX 1261B2F	80.2	81.5	80.8
BX 1262B2F	80.6	80.7	80.7
BX 1252LLB2	79.5	80.8	80.1
BX 1254LLB2	80.7	81.2	80.9
BX 1264LLB2	81.9	82.3	82.1
ST 4145LLB2	81.0	81.9	81.5
FM 2484B2F	80.4	81.2	80.8
PHY 367WRF	80.7	81.6	81.1
PHY 499WRF	82.7	83.0	82.8
PHY 725RF	81.4	82.5	82.0
FM 2989GLB2	79.4	80.7	80.0
MEAN	81.0	81.8	81.4
LSD 0.05	1.0	0.8	0.6
CV%	0.8	0.7	0.8
P	0.000	0.000	0.000

Variety by Location Difference

LSD 0.05	NS
%CV	0.8
P	0.321

2011 UPLAND ADVANCED STRAINS TRIALS - LEAF GRADE (manual classing)

determined by Visalia USDA Classing Office

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Cooperative Project by:

San Joaquin Valley Cotton Board / University of California

Various seed companies

Cooperators: Hutmacher, Keeley, Delgado

LOCATION: San Joaquin Valley (2 Locations and average)

VARIETY	WEST SIDE		AVERAGE
	SHAFTER	REC	LEAF GRADE (manual classing)
PHY-72	2.00	1.00	1.50
10R013B2R2	3.25	2.75	3.00
10R052B2R2	1.75	1.25	1.50
11R159B2R2	2.00	1.75	1.88
11R136B2R2	2.50	2.25	2.38
10R051B2R2	1.25	1.25	1.25
10R020B2R2	2.00	1.25	1.63
BX 1261B2F	2.25	1.75	2.00
BX 1262B2F	3.25	2.50	2.88
BX 1252LLB2	3.00	2.00	2.50
BX 1254LLB2	3.00	2.25	2.63
BX 1264LLB2	3.50	3.25	3.38
ST 4145LLB2	3.50	3.00	3.25
FM 2484B2F	2.25	1.25	1.75
PHY 367WRF	2.25	1.75	2.00
PHY 499WRF	3.25	2.75	3.00
PHY 725RF	3.50	1.50	2.50
FM 2989GLB2	2.25	2.00	2.13
MEAN	2.60	1.97	2.29
LSD 0.05	0.80	0.63	0.55
CV%	21.7	22.5	23.9
P	0.000	0.000	0.000

Variety by Location Difference

LSD 0.05	0.66
%CV	20.3
P	0.043

2011 UPLAND ADVANCED STRAINS TRIALS - HVI TRASH

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Cooperative Project by:

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Various seed companies

Cooperators: Hutmacher, Keeley, Delgado

LOCATION: San Joaquin Valley (2 Locations and average)

VARIETY	SHAFTER	WEST SIDE		AVERAGE
		REC	HVI	TRASH
PHY-72	0.18	0.10		0.14
10R013B2R2	0.40	0.23		0.31
10R052B2R2	0.15	0.13		0.14
11R159B2R2	0.20	0.13		0.16
11R136B2R2	0.25	0.23		0.24
10R051B2R2	0.10	0.10		0.10
10R020B2R2	0.15	0.10		0.13
BX 1261B2F	0.20	0.13		0.16
BX 1262B2F	0.43	0.18		0.30
BX 1252LLB2	0.35	0.18		0.26
BX 1254LLB2	0.43	0.20		0.31
BX 1264LLB2	0.40	0.40		0.40
ST 4145LLB2	0.45	0.35		0.40
FM 2484B2F	0.20	0.10		0.15
PHY 367WRF	0.25	0.15		0.20
PHY 499WRF	0.30	0.33		0.31
PHY 725RF	0.40	0.15		0.28
FM 2989GLB2	0.23	0.18		0.20
MEAN	0.28	0.19		0.23
LSD 0.05	0.12	0.10		0.08
CV%	29.2	37.6		33.4
P	0.000	0.000		0.000

Variety by Location difference

LSD 0.05	0.10
%CV	31.2
P	0.002

2011 UPLAND ADVANCED STRAINS TRIALS - COLOR (RD)

determined by Visalia USDA Classing Office

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Cooperative Project by:

San Joaquin Valley Cotton Board / University of California

Various seed companies

Cooperators: Hutmacher, Keeley, Delgado

LOCATION: San Joaquin Valley (2 Locations and average)

VARIETY	SHAFTER	WEST SIDE	AVERAGE
		REC	RD
PHY-72	78.2	79.7	78.9
10R013B2R2	78.5	80.8	79.6
10R052B2R2	79.5	81.7	80.6
11R159B2R2	80.2	81.8	81.0
11R136B2R2	80.2	82.4	81.3
10R051B2R2	79.8	81.7	80.8
10R020B2R2	79.6	82.0	80.8
BX 1261B2F	80.0	81.6	80.8
BX 1262B2F	78.0	81.2	79.6
BX 1252LLB2	78.2	81.3	79.8
BX 1254LLB2	78.2	80.2	79.2
BX 1264LLB2	78.3	81.2	79.7
ST 4145LLB2	78.1	80.5	79.3
FM 2484B2F	81.2	84.1	82.6
PHY 367WRF	79.3	80.7	80.0
PHY 499WRF	77.9	79.7	78.8
PHY 725RF	78.5	79.6	79.0
FM 2989GLB2	80.6	82.1	81.3
MEAN	79.1	81.2	80.2
LSD 0.05	1.0	1.0	0.7
CV%	0.9	0.9	0.9
P	0.000	0.000	0.000

Variety by Location Difference

LSD 0.10	0.8
%CV	0.8
P	0.069

2011 UPLAND ADVANCED STRAINS TRIALS - COLOR (+B)

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San Joaquin Valley Cotton Board / University of California

Various seed companies

Cooperators: Hutmacher, Keeley, Delgado

LOCATION: San Joaquin Valley (2 Locations and average)

VARIETY	SHAFTER	WEST SIDE	AVERAGE
		REC	+B
PHY-72	8.18	9.05	8.61
10R013B2R2	7.90	8.60	8.25
10R052B2R2	8.48	8.75	8.61
11R159B2R2	7.58	8.63	8.10
11R136B2R2	7.68	8.23	7.95
10R051B2R2	8.45	8.85	8.65
10R020B2R2	8.05	8.83	8.44
BX 1261B2F	7.78	8.65	8.21
BX 1262B2F	8.05	8.78	8.41
BX 1252LLB2	7.88	8.75	8.31
BX 1254LLB2	7.75	8.75	8.25
BX 1264LLB2	7.80	8.08	7.94
ST 4145LLB2	7.58	8.50	8.04
FM 2484B2F	6.98	7.78	7.38
PHY 367WRF	8.10	8.85	8.48
PHY 499WRF	7.93	8.78	8.35
PHY 725RF	7.78	9.08	8.43
FM 2989GLB2	7.45	8.15	7.80
MEAN	7.86	8.62	8.23
LSD 0.05	0.35	0.32	0.25
CV%	3.2	2.6	3.0
P	0.000	0.000	0.000

Variety by Location Difference

LSD 0.05	0.33
%CV	2.8
P	0.005