

2009 ACALA SJVCB VARIETY TRIALS						HVI DATA - Visalia Classing Office					
University of California / San Joaquin Valley Cotton Board						1/29/2010					
SJVCB entries plus UC entries for comparison											
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 / Participating Seed Companies California Department of Food and Agriculture / State Support Committee Cotton Incorporated Cooperators: Hutmacher, Wright, Marsh, Munk, Weir, Keeley, Delgado, Banuelos, Wroble					
LOCATION: San Joaquin Valley (5 Locations)											
						MANUAL					
SEED COMPANY						CLASSING					
STATUS OF VARIETY						LEAF		HVI		COLOR	
VARIETY	IN SJVCB TRIALS	MIKE	LENGTH	STREN	UI	GRADE	TRASH	RD	+B		
PHY-755 WRF	Phytogen - 2009 was 3rd year of SJVCB testing	4.41	1.27	36.1	84.2	2.7	0.28	76.9	8.33		
PHY-72	Phytogen - SJVCB Acala Standard	4.63	1.22	35.6	83.4	2.5	0.29	77.3	8.37		
PHY-725 RF	Phytogen - Approved Variety of SJVCB	4.40	1.23	35.7	83.5	3.0	0.34	76.9	8.25		
DAYTONA RF	Bayer Crop Sci - Approved Variety of SJVCB	4.36	1.19	35.2	83.6	3.3	0.42	78.0	7.87		
MEAN		4.45	1.23	35.7	83.7	2.9	0.33	77.3	8.21		
LSD 0.05		0.08	0.01	0.3	0.4	0.3	0.07	0.4	0.12		
%CV		2.5	1.4	1.4	0.7	12.2	28.7	0.8	2.1		
P		0.000	0.000	0.001	0.008	0.000	0.006	0.001	0.000		
VAR*LOC											
LSD 0.05		NS	0.02	NS	NS	NS	NS	NS	0.21		
%CV		3.8	1.3	2.7	0.6	12.6	22.3	0.9	1.8		
P		0.719	0.048	0.722	0.404	0.284	0.808	0.228	0.003		

2009 ACALA SJVCB VARIETY TRIALS - MICRONAIRE						
University of California / San Joaquin Valley Cotton Board						1/29/2010
SJVCB entries plus UC entries for comparison						
Questions?		Cooperative Project by:				
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cell # (559) 260-8957		California Department of Food and Agriculture / State Support Committee Cotton Incorporated				
or e-mail: rbhutmacher@ucdavis.edu		Cooperators: Hutmacher, Wright, Marsh, Munk, Weir, Keeley, Delgado, Banuelos, Wroble				
LOCATION: San Joaquin Valley (5 Locations)						
	40" rows	38" rows	40" rows	40" rows	30" rows	AVG.
VARIETY	SHAFTER REC	WAUKENA	MENDOTA	WESTSIDE REC	LOS BANOS	MICRONAIRE
PHY-755 WRF	4.00	4.48	4.90	4.15	4.53	4.41
PHY-72	4.15	4.80	5.10	4.45	4.65	4.63
PHY-725 RF	3.93	4.53	4.83	4.23	4.48	4.40
DAYTONA RF	4.05	4.40	4.75	4.28	4.33	4.36
MEAN	4.03	4.55	4.90	4.28	4.50	4.45
LSD 0.05	NS	0.11	0.22	0.13	0.13	0.08
CV%	2.9	1.5	2.9	1.9	1.7	2.5
P	0.121	0.000	0.032	0.004	0.002	0.000
					VAR * LOC	
					LSD 0.05	NS
					%CV	3.8
					P	0.719

2009 ACALA SJVCB VARIETY TRIALS - LENGTH						
University of California / San Joaquin Valley Cotton Board						1/29/2010
SJVCB entries plus UC entries for comparison						
Questions?		Cooperative Project by:				
Contact - Bob Hutmacher (Univ. CA)		San Joaquin Valley Cotton Board / University of California / Participating Seed Companies				
cell # (559) 260-8957		California Department of Food and Agriculture / State Support Committee Cotton Incorporated				
or e-mail: rbhutmacher@ucdavis.edu		Cooperators: Hutmacher, Wright, Marsh, Munk, Weir, Keeley, Delgado, Banuelos, Wroble				
LOCATION: San Joaquin Valley (5 Locations)						
	40" rows	38" rows	40" rows	40" rows	30" rows	AVG.
VARIETY	SHAFTER REC	WAUKENA	MENDOTA	WESTSIDE REC	LOS BANOS	LENGTH (in.)
PHY-755 WRF	1.30	1.30	1.26	1.27	1.25	1.27
PHY-72	1.25	1.23	1.20	1.21	1.20	1.22
PHY-725 RF	1.25	1.24	1.24	1.21	1.22	1.23
DAYTONA RF	1.20	1.23	1.19	1.17	1.18	1.19
MEAN	1.25	1.25	1.22	1.22	1.21	1.23
LSD 0.05	0.02	0.03	0.02	0.02	0.02	0.01
CV%	0.9	1.6	1.2	1.0	1.0	1.4
P	0.000	0.002	0.000	0.000	0.000	0.000
					VAR * LOC	
					LSD 0.05	0.02
					%CV	1.3
					P	0.048

2009 ACALA SJVCB VARIETY TRIALS - STRENGTH						
University of California / San Joaquin Valley Cotton Board						1/29/2010
SJVCB entries plus UC entries for comparison						
Questions?	Cooperative Project by:					
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cell # (559) 260-8957	California Department of Food and Agriculture / State Support Committee Cotton Incorporated					
or e-mail: rbhutmacher@ucdavis.edu	Cooperators: Hutmacher, Wright, Marsh, Munk, Weir, Keeley, Delgado, Banuelos, Wroble					
LOCATION: San Joaquin Valley (5 Locations)						
	40" rows	38" rows	40" rows	40" rows	30" rows	AVG.
VARIETY	SHAFTER REC	WAUKENA	MENDOTA	WESTSIDE REC	LOS BANOS	STRENGTH (G/Tex)
PHY-755 WRF	36.2	36.5	37.2	34.2	36.7	36.1
PHY-72	35.2	35.6	36.6	34.5	36.2	35.6
PHY-725 RF	35.2	35.8	37.1	34.4	35.9	35.7
DAYTONA RF	34.3	35.8	36.8	34.0	34.8	35.2
MEAN	35.2	35.9	36.9	34.3	35.9	35.7
LSD 0.05	NS	NS	NS	NS	0.8	0.3
CV%	3.1	2.0	2.7	1.8	1.4	1.4
P	0.199	0.365	0.804	0.730	0.003	0.001
					VAR * LOC	
					LSD 0.05	NS
					%CV	2.7
					P	0.722

2009 ACALA SJVCB VARIETY TRIALS - UNIFORMITY						
University of California / San Joaquin Valley Cotton Board						1/29/2010
SJVCB entries plus UC entries for comparison						
Questions?		Cooperative Project by:				
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cell # (559) 260-8957		California Department of Food and Agriculture / State Support Committee Cotton Incorporated				
or e-mail: rbhutmacher@ucdavis.edu		Cooperators: Hutmacher, Wright, Marsh, Munk, Weir, Keeley, Delgado, Banuelos, Wroble				
LOCATION: San Joaquin Valley (5 Locations)						
	40" rows	38" rows	40" rows	40" rows	30" rows	AVG.
VARIETY	SHAFTER REC	WAUKENA	MENDOTA	WESTSIDE REC	LOS BANOS	UNIFORMITY
PHY-755 WRF	84.4	85.3	84.9	82.8	83.6	84.2
PHY-72	83.8	84.3	83.7	82.3	83.1	83.4
PHY-725 RF	83.7	84.3	84.3	81.9	83.5	83.5
DAYTONA RF	83.5	84.7	84.4	82.5	82.9	83.6
MEAN	83.9	84.7	84.3	82.4	83.3	83.7
LSD 0.05	NS	NS		0.6	NS	0.4
LSD 0.10			0.7			
CV%	0.6	0.7	0.7	0.4	0.7	0.7
P	0.115	0.136	0.072	0.034	0.248	0.008
					VAR * LOC	
					LSD 0.05	NS
					%CV	0.6
					P	0.404

2009 Acala SJVCB Variety Trials - Leaf Grade (Manual Classing)						
University of California / San Joaquin Valley Cotton Board						1/29/2010
SJVCB entries plus UC entries for comparison						
Questions?		Cooperative Project by:				
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cell # (559) 260-8957		California Department of Food and Agriculture / State Support Committee Cotton Incorporated				
or e-mail: rbhutmacher@ucdavis.edu		Cooperators: Hutmacher, Wright, Marsh, Munk, Weir, Keeley, Delgado, Banuelos, Wroble				
LOCATION: San Joaquin Valley (5 Locations)						
	40" rows	38" rows	40" rows	40" rows	30" rows	AVG.
VARIETY	SHAFTER REC	WAUKENA	MENDOTA	WESTSIDE REC	LOS BANOS	LEAF GRADE
PHY-755 WRF	3.0	3.8	2.8	2.0	2.0	2.7
PHY-72	3.0	3.0	2.8	2.0	1.8	2.5
PHY-725 RF	3.3	3.8	3.0	2.8	2.0	3.0
DAYTONA RF	3.5	4.0	3.3	3.0	2.8	3.3
MEAN	3.2	3.7	3.0	2.5	2.2	2.9
LSD 0.05	NS	0.5	NS	0.4	0.5	0.3
CV%	10.8	8.0	11.7	10.3	13.6	12.2
P	0.194	0.005	0.194	0.001	0.005	0.000
					VAR * LOC	
					LSD 0.05	NS
					%CV	12.6
					P	0.284

2009 ACALA SJVCB VARIETY TRIALS - HVI TRASH						
University of California / San Joaquin Valley Cotton Board						1/29/2010
SJVCB entries plus UC entries for comparison						
Questions?		Cooperative Project by:				
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cell # (559) 260-8957		California Department of Food and Agriculture / State Support Committee Cotton Incorporated				
or e-mail: rbhutmacher@ucdavis.edu		Cooperators: Hutmacher, Wright, Marsh, Munk, Weir, Keeley, Delgado, Banuelos, Wroble				
LOCATION: San Joaquin Valley (5 Locations)						
	40" rows	38" rows	40" rows	40" rows	30" rows	AVG.
VARIETY	SHAFTER REC	WAUKENA	MENDOTA	WESTSIDE REC	LOS BANOS	TRASH
PHY-755 WRF	0.35	0.48	0.28	0.15	0.15	0.28
PHY-72	0.43	0.48	0.28	0.15	0.13	0.29
PHY-725 RF	0.43	0.58	0.35	0.20	0.15	0.34
DAYTONA RF	0.48	0.68	0.40	0.25	0.28	0.42
MEAN	0.42	0.56	0.33	0.19	0.18	0.33
LSD 0.05	NS	0.11	NS		0.05	0.07
LSD 0.10				0.07		
CV%	18.8	12.9	22.9	29.5	19.0	28.7
P	0.232	0.009	0.108	0.088	0.001	0.006
					VAR * LOC	
					LSD 0.05	NS
					%CV	22.3
					P	0.808

2009 ACALA SJVCB VARIETY TRIALS - RD						
University of California / San Joaquin Valley Cotton Board						1/29/2010
SJVCB entries plus UC entries for comparison						
Questions?		Cooperative Project by:				
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cell # (559) 260-8957		California Department of Food and Agriculture / State Support Committee Cotton Incorporated				
or e-mail: rbhutmacher@ucdavis.edu		Cooperators: Hutmacher, Wright, Marsh, Munk, Weir, Keeley, Delgado, Banuelos, Wroble				
LOCATION: San Joaquin Valley (5 Locations)						
	40" rows	38" rows	40" rows	40" rows	30" rows	AVG.
VARIETY	SHAFTER REC	WAUKENA	MENDOTA	WESTSIDE REC	LOS BANOS	RD
PHY-755 WRF	76.2	74.0	77.1	78.6	78.8	76.9
PHY-72	76.9	74.7	76.8	78.4	79.7	77.3
PHY-725 RF	76.5	74.7	76.3	78.1	79.1	76.9
DAYTONA RF	77.7	74.6	77.8	80.0	80.1	78.0
MEAN	76.8	74.5	77.0	78.8	79.4	77.3
LSD 0.05	1.0	NS	0.9	0.4		0.4
LSD 0.10					0.8	
CV%	0.8	1.2	0.7	0.3	0.8	0.8
P	0.037	0.637	0.015	0.000	0.066	0.001
					VAR * LOC	
					LSD 0.05	NS
					%CV	0.9
					P	0.228



2009 ACALA SJVCB VARIETY TRIALS - +B						
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LOCATION: San Joaquin Valley (5 Locations)						
	40" rows	38" rows	40" rows	40" rows	30" rows	AVG.
VARIETY	SHAFTER REC	WAUKENA	MENDOTA	WESTSIDE REC	LOS BANOS	+B
PHY-755 WRF	7.38	8.45	8.58	8.70	8.53	8.33
PHY-72	7.50	8.45	8.68	8.75	8.48	8.37
PHY-725 RF	7.23	8.35	8.65	8.65	8.35	8.25
DAYTONA RF	6.73	8.30	8.25	7.98	8.08	7.87
MEAN	7.21	8.39	8.54	8.52	8.36	8.21
LSD 0.05	0.18	NS	0.22	0.35	0.22	0.12
CV%	1.6	1.5	1.6	2.6	1.6	2.1
P	0.000	0.312	0.007	0.002	0.005	0.000
					VAR * LOC	
					LSD 0.05	0.21
					%CV	1.8
					P	0.003