

2009 PIMA SJVCB VARIETY TRIALS					HVI DATA - Visalia Classing Office					
University of California / San Joaquin Valley Cotton Board					1/29/2010					
YEAR 2 & YEAR 3 ENTRY TRIALS plus UCCE entries					locations with 8 varieties included (includes HA-195)					
Questions?		Cooperative Project by:								
Contact - Bob Hutmacher (Univ. CA)		San Joaquin Valley Cotton Board / University of California / Various Seed Companies								
cell # (559) 260-8957		California Department of Food and Agriculture / Supima Association								
or e-mail: rbhutmacher@ucdavis.edu		Cooperators: Hutmacher, Wright, Marsh, Munk, Weir, Keeley, Delgado, Banuelos, Wroble								
*see notes below table										
'LOCATION: SAN JOAQUIN VALLEY (SJV) - (3 Locations that include HA-195 - all 8 varieties)										
					MANUAL					
					CLASSING					
					LEAF		HVI		COLOR	
VARIETY	MIKE	LENGTH	STREN	UI	GRADE	COLOR	TRASH	RD	+B	
OA-360	3.49	1.37	41.7	85.8	3.7	2.1	1.08	69.8	11.4	
PO7X.8212 RF	3.27	1.44	43.8	86.4	4.2	2.3	1.12	70.0	11.2	
PO7X.8213 RF	3.53	1.41	44.3	86.1	4.0	2.3	1.36	69.3	11.4	
PHY-800	3.37	1.42	42.9	86.9	4.1	2.1	1.23	69.8	11.3	
PHY-830	3.79	1.39	42.9	86.7	3.3	1.7	0.78	70.8	11.3	
COBALT	3.51	1.36	41.6	85.3	2.9	2.3	0.68	67.8	12.6	
DP-357	3.64	1.37	40.3	86.0	3.5	2.3	0.69	69.7	11.6	
HA-195	3.61	1.36	37.4	85.1	4.2	2.0	1.31	71.6	10.1	
MEAN	3.53	1.39	41.9	86.0	3.7	2.1	1.03	69.9	11.4	
LSD 0.05	0.10	0.02	1.5	0.6	0.3	0.2	0.27	0.5	0.2	
%CV	3.4	1.4	4.1	0.9	9.5	12.7	31.1	0.8	1.6	
P	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
<u>VAR*LOC</u>										
LSD 0.05	NS			NS	NS	0.4	0.37	1.0	NS	
LSD 0.10		0.02	1.8							
%CV	4.3	1.2	3.6	1.0	15.5	14.6	25.2	1.0	1.8	
P	0.588	0.086	0.086	0.364	0.149	0.004	0.002	0.001	0.189	

* these locations are included in the five-location comparison with 7 entries shown in separate tables, but only these 3 sites include Hazera HA-195

2009 PIMA SJVCB VARIETY TRIALS - West Side REC site					HVI DATA - Visalia Classing Office				
University of California / San Joaquin Valley Cotton Board					1/29/2010				
YEAR 2 & YEAR 3 ENTRY TRIALS plus UCCE entries					locations with 8 varieties included (includes HA-195)				
Questions?		Cooperative Project by:							
Contact - Bob Hutmacher (Univ. CA)		San Joaquin Valley Cotton Board / University of California / Various Seed Companies							
cell # (559) 260-8957		California Department of Food and Agriculture / Supima Association							
or e-mail: rbhutmacher@ucdavis.edu		Cooperators: Hutmacher, Wright, Marsh, Munk, Weir, Keeley, Delgado, Banuelos, Wroble							
*see notes below table									
LOCATION: West Side REC - (Five Points, CA - this file separate since missing Cobalt entry)									
					MANUAL				
					CLASSING				
					LEAF	HVI	HVI	COLOR	
VARIETY	MIKE	LENGTH	STREN	UI	GRADE	COLOR	TRASH	RD	+B
OA-360	3.68	1.36	41.1	84.9	3.5	1.25	0.65	70.8	12.0
PO7X.8212 RF	3.50	1.43	43.4	85.9	3.5	1.75	1.13	71.3	11.4
PO7X.8213 RF	3.68	1.39	43.9	86.0	3.3	1.25	0.88	71.1	11.7
PHY-800	3.68	1.42	42.5	85.9	3.3	1.25	0.78	71.4	11.7
PHY-830	3.98	1.38	41.0	85.3	2.3	1.25	0.50	71.3	12.1
COBALT	<i>missing at this site</i>		*	*	*	*	*	*	*
DP-357	3.90	1.38	40.4	85.3	2.8	1.00	0.58	71.1	12.1
HA-195	3.78	1.38	36.5	85.7	4.5	1.75	1.23	72.0	10.4
MEAN	3.74	1.39	41.3	85.6	3.3	1.36	0.82	71.3	11.6
LSD 0.05	0.25	0.04	1.6	NS	0.7		0.35	0.6	0.3
LSD 0.10						0.47			
% CV	4.5	1.9	2.7	1.0	14.3	28.2	29.1	0.5	1.7
P	0.016	0.023	0.000	0.541	0.000	0.092	0.003	0.009	0.000
* this location not included in over-location comparisons since Cobalt mistakenly not planted at this site									

2009 PIMA SJVCB VARIETY TRIALS - MICRONAIRE						
University of California / San Joaquin Valley Cotton Board						1/29/2010
YEAR 2 & YEAR 3 ENTRY TRIALS plus UCCE entries				locations with 8 varieties included (includes HA-195)		
Questions?		Cooperative Project by:				
Contact - Bob Hutmacher (Univ. CA)		San Joaquin Valley Cotton Board / University of California / Various Seed Companies				
cell # (559) 260-8957		California Department of Food and Agriculture / Supima Association				
or e-mail: rbhutmacher@ucdavis.edu		Cooperators: Hutmacher, Wright, Marsh, Munk, Weir, Keeley, Delgado, Banuelos, Wroble				
<i>*see notes below table</i>						
'LOCATION: SAN JOAQUIN VALLEY (SVJ) - (3 Locations + West Side REC site shown separately - right side of page)						
				AVG.		MICRONAIRE
VARIETY	SHAFTER REC	MENDOTA	LOS BANOS	MICRONAIRE		WEST SIDE REC**
OA-360	3.53	3.98	2.98	3.49		3.68
PO7X.8212 RF	3.25	3.73	2.83	3.27		3.5
PO7X.8213 RF	3.48	3.95	3.18	3.53		3.68
PHY-800	3.30	3.90	2.90	3.37		3.68
PHY-830	3.73	4.35	3.30	3.79		3.98
COBALT	3.50	4.00	3.03	3.51		***
DP-357	3.68	4.03	3.23	3.64		3.9
HA-195	3.70	4.00	3.13	3.61		3.78
MEAN	3.52	3.99	3.07	3.53		3.74
LSD 0.05	0.19	0.20	0.18	0.10		0.25
CV%	3.6	3.4	4.0	3.4		4.5
P	0.000	0.000	0.000	0.000		0.016
<i>* these locations are included in the five-location comparison with 7 entries shown in separate tables, but only these 3 sites include Hazera HA-195</i>						
<i>* West Side REC location shown includes HA-195 but did not have Cobalt, so is excluded from the over-location summary</i>						
<i>*** the entry Cobalt was mistakenly not planted at the West Side location</i>						
			VAR * LOC			
			LSD 0.05	NS		
			%CV	4.3		
			P	0.588		

2009 PIMA SJVCB VARIETY TRIALS - LENGTH							
University of California / San Joaquin Valley Cotton Board							1/29/2010
YEAR 2 & YEAR 3 ENTRY TRIALS plus UCCE entries				locations with 8 varieties included (includes HA-195)			
Questions?		Cooperative Project by:					
Contact - Bob Hutmacher (Univ. CA)		San Joaquin Valley Cotton Board / University of California / Various Seed Companies					
cell # (559) 260-8957		California Department of Food and Agriculture / Supima Association					
or e-mail: rbhutmacher@ucdavis.edu		Cooperators: Hutmacher, Wright, Marsh, Munk, Weir, Keeley, Delgado, Banuelos, Wroble					
<i>*see notes below table</i>							
'LOCATION: SAN JOAQUIN VALLEY (SJV) - (3 Locations + West Side REC site shown separately - right side of page)							
					AVG.		LENGTH
VARIETY	SHAFTER REC	MENDOTA	LOS BANOS	LENGTH (in.)			WEST SIDE REC**
OA-360	1.37	1.39	1.35	1.37			1.36
PO7X.8212 RF	1.45	1.46	1.42	1.44			1.43
PO7X.8213 RF	1.40	1.44	1.37	1.41			1.39
PHY-800	1.43	1.45	1.40	1.42			1.42
PHY-830	1.40	1.41	1.37	1.39			1.38
COBALT	1.39	1.39	1.32	1.36			***
DP-357	1.37	1.40	1.36	1.37			1.38
HA-195	1.35	1.38	1.35	1.36			1.38
MEAN	1.40	1.42	1.37	1.39			1.39
LSD 0.05	0.02	0.03	0.03	0.02			0.04
CV%	1.0	1.3	1.6	1.4			1.9
P	0.000	0.000	0.000	0.000			0.023
<i>* these locations are included in the five-location comparison with 7 entries shown in separate tables, but only these 3 sites include Hazera HA-195</i>							
<i>* West Side REC location shown includes HA-195 but did not have Cobalt, so is excluded from the over-location summary</i>							
<i>*** the entry Cobalt was mistakenly not planted at the West Side location</i>							
			VAR * LOC				
			LSD 0.10	0.02			
			%CV	1.2			
			P	0.086			

2009 PIMA SJVCB VARIETY TRIALS - STRENGTH							
University of California / San Joaquin Valley Cotton Board							1/29/2010
YEAR 2 & YEAR 3 ENTRY TRIALS plus UCCE entries				locations with 8 varieties included (includes HA-195)			
Questions?		Cooperative Project by:					
Contact - Bob Hutmacher (Univ. CA)		San Joaquin Valley Cotton Board / University of California / Various Seed Companies					
cell # (559) 260-8957		California Department of Food and Agriculture / Supima Association					
or e-mail: rbhutmacher@ucdavis.edu		Cooperators: Hutmacher, Wright, Marsh, Munk, Weir, Keeley, Delgado, Banuelos, Wroble					
<i>*see notes below table</i>							
'LOCATION: SAN JOAQUIN VALLEY (SJV) - (3 Locations + West Side REC site shown separately - right side of page)							
					AVG.		STRENGTH
VARIETY	SHAFTER REC	MENDOTA	LOS BANOS	STRENGTH (g/T)			WEST SIDE REC**
OA-360	42.7	44.3	38.2	41.7			41.1
PO7X.8212 RF	43.6	46.3	41.5	43.8			43.4
PO7X.8213 RF	43.6	46.8	42.7	44.3			43.9
PHY-800	43.7	44.1	41.0	42.9			42.5
PHY-830	43.9	43.4	41.4	42.9			41.0
COBALT	42.7	44.3	38.0	41.6			***
DP-357	40.4	42.8	37.7	40.3			40.4
HA-195	36.9	39.5	35.8	37.4			36.5
MEAN	42.2	43.9	39.5	41.9			41.3
LSD 0.05	2.2	2.1	2.5	1.5			1.6
CV%	3.6	3.3	4.4	4.1			2.7
P	0.000	0.000	0.000	0.000			0.000
<i>* these locations are included in the five-location comparison with 7 entries shown in separate tables, but only these 3 sites include Hazera HA-195</i>							
<i>* West Side REC location shown includes HA-195 but did not have Cobalt, so is excluded from the over-location summary</i>							
<i>*** the entry Cobalt was mistakenly not planted at the West Side location</i>							
			VAR * LOC				
			LSD 0.10	1.8			
			%CV	3.6			
			P	0.086			

2009 PIMA SJVCB VARIETY TRIALS - UNIFORMITY								
University of California / San Joaquin Valley Cotton Board								1/29/2010
YEAR 2 & YEAR 3 ENTRY TRIALS plus UCCE entries					locations with 8 varieties included (includes HA-195)			
Questions?		Cooperative Project by:						
Contact - Bob Hutmacher (Univ. CA)		San Joaquin Valley Cotton Board / University of California / Various Seed Companies						
cell # (559) 260-8957		California Department of Food and Agriculture / Supima Association						
or e-mail: rbhutmacher@ucdavis.edu		Cooperators: Hutmacher, Wright, Marsh, Munk, Weir, Keeley, Delgado, Banuelos, Wroble						
*see notes below table								
'LOCATION: SAN JOAQUIN VALLEY (SJV) - (3 Locations + West Side REC site shown separately - right side of page)								
					AVG.		UNIFORMITY	
VARIETY	SHAFTER REC	MENDOTA	LOS BANOS		UNIFORMITY		WEST SIDE REC**	
OA-360	86.1	86.6	84.7		85.8		84.9	
PO7X.8212 RF	88.0	87.0	84.3		86.4		85.9	
PO7X.8213 RF	86.9	87.0	84.4		86.1		86	
PHY-800	88.3	87.4	85.1		86.9		85.9	
PHY-830	87.8	87.0	85.3		86.7		85.3	
COBALT	86.0	86.1	83.9		85.3		***	
DP-357	87.1	86.7	84.2		86.0		85.3	
HA-195	85.6	85.7	84.2		85.1		85.7	
MEAN	87.0	86.7	84.5		86.0		85.6	
LSD 0.05	1.3		NS		0.6		NS	
LSD 0.10		0.9						
CV%	1.1	0.9	0.8		0.9		1	
P	0.002	0.077	0.114		0.000		0.541	
* these locations are included in the five-location comparison with 7 entries shown in separate tables, but only these 3 sites include Hazera HA-195								
* West Side REC location shown includes HA-195 but did not have Cobalt, so is excluded from the over-location summary								
*** the entry Cobalt was mistakenly not planted at the West Side location								
			VAR * LOC					
			LSD 0.05		NS			
			%CV		1.0			
			P		0.364			

2009 PIMA SJVCB VARIETY TRIALS - LEAF GRADE (MANUAL CLASSING)							
University of California / San Joaquin Valley Cotton Board					1/29/2010		
YEAR 2 & YEAR 3 ENTRY TRIALS plus UCCE entries				locations with 8 varieties included (includes HA-195)			
Questions?		Cooperative Project by:					
Contact - Bob Hutmacher (Univ. CA)		San Joaquin Valley Cotton Board / University of California / Various Seed Companies					
cell # (559) 260-8957		California Department of Food and Agriculture / Supima Association					
or e-mail: rbhutmacher@ucdavis.edu		Cooperators: Hutmacher, Wright, Marsh, Munk, Weir, Keeley, Delgado, Banuelos, Wroble					
<i>*see notes below table</i>							
'LOCATION: SAN JOAQUIN VALLEY (SJV) - (3 Locations + West Side REC site shown separately - right side of page)							
				AVG.			
				LEAF		LEAF GRADE	
VARIETY	SHAFTER REC	MENDOTA	LOS BANOS	GRADE		WEST SIDE REC**	
OA-360	3.5	3.0	4.5	3.7		3.5	
PO7X.8212 RF	3.3	4.3	5.0	4.2		3.5	
PO7X.8213 RF	3.3	4.0	4.8	4.0		3.3	
PHY-800	3.5	3.8	5.0	4.1		3.3	
PHY-830	3.0	3.0	4.0	3.3		2.3	
COBALT	2.5	3.0	3.3	2.9		***	
DP-357	3.3	3.0	4.3	3.5		2.8	
HA-195	4.0	4.3	4.3	4.2		4.5	
MEAN	3.3	3.6	4.4	3.7		3.3	
LSD 0.05	0.8	0.4	0.9	0.3		0.7	
CV%	16.5	8.5	14.3	9.5		14.3	
P	0.046	0.000	0.013	0.000		0.000	
<i>* these locations are included in the five-location comparison with 7 entries shown in separate tables, but only these 3 sites include Hazera HA-195</i>							
<i>* West Side REC location shown includes HA-195 but did not have Cobalt, so is excluded from the over-location summary</i>							
<i>*** the entry Cobalt was mistakenly not planted at the West Side location</i>							
			VAR * LOC				
			LSD 0.05	NS			
			%CV	15.5			
			P	0.149			

2009 PIMA SJVCB VARIETY TRIALS - HVI COLOR							
University of California / San Joaquin Valley Cotton Board							1/29/2010
YEAR 2 & YEAR 3 ENTRY TRIALS plus UCCE entries				locations with 8 varieties included (includes HA-195)			
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*see notes below table							
'LOCATION: SAN JOAQUIN VALLEY (SVJ) - (3 Locations + West Side REC site shown separately - right side of page)							
				AVG.			
				HVI		HVI COLOR	
VARIETY	SHAFTER REC	MENDOTA	LOS BANOS	COLOR		WEST SIDE REC**	
OA-360	1.8	1.5	3.0	2.1		1.25	
PO7X.8212 RF	2.0	2.0	3.0	2.3		1.75	
PO7X.8213 RF	2.0	2.0	3.0	2.3		1.25	
PHY-800	1.5	1.8	3.0	2.1		1.25	
PHY-830	1.5	1.3	2.3	1.7		1.25	
COBALT	2.0	2.0	3.0	2.3		***	
DP-357	2.0	2.0	2.8	2.3		1	
HA-195	2.0	2.0	2.0	2.0		1.75	
MEAN	1.8	1.8	2.8	2.1		1.36	
LSD 0.05		0.5	0.4	0.2			
LSD 0.10	0.4					0.47	
CV%	17.4	17.6	8.9	12.7		28.2	
P	0.097	0.015	0.000	0.000		0.092	
* these locations are included in the five-location comparison with 7 entries shown in separate tables, but only these 3 sites include Hazera HA-195							
* West Side REC location shown includes HA-195 but did not have Cobalt, so is excluded from the over-location summary							
*** the entry Cobalt was mistakenly not planted at the West Side location							
			VAR * LOC				
			LSD 0.05	0.4			
			%CV	14.6			
			P	0.004			

2009 PIMA SJVCB VARIETY TRIALS - HVI TRASH							
University of California / San Joaquin Valley Cotton Board							1/29/2010
YEAR 2 & YEAR 3 ENTRY TRIALS plus UCCE entries				locations with 8 varieties included (includes HA-195)			
Questions?		Cooperative Project by:					
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*see notes below table							
'LOCATION: SAN JOAQUIN VALLEY (SJV) - (3 Locations + West Side REC site shown separately - right side of page)							
				AVG.			
				HVI		HVI TRASH	
VARIETY	SHAFTER REC	MENDOTA	LOS BANOS	TRASH		WEST SIDE REC**	
OA-360	0.68	0.68	1.88	1.08		0.65	
PO7X.8212 RF	0.65	0.93	1.78	1.12		1.13	
PO7X.8213 RF	0.75	1.50	1.83	1.36		0.88	
PHY-800	0.65	1.00	2.05	1.23		0.78	
PHY-830	0.55	0.50	1.30	0.78		0.5	
COBALT	0.48	0.50	1.08	0.68		***	
DP-357	0.43	0.65	1.00	0.69		0.58	
HA-195	0.80	1.45	1.68	1.31		1.23	
MEAN	0.62	0.90	1.58	1.03		0.82	
LSD 0.05		0.35	0.56	0.27		0.35	
LSD 0.10	0.21						
CV%	27.4	26.4	24.2	31.1		29.1	
P	0.064	0.000	0.004	0.000		0.003	
* these locations are included in the five-location comparison with 7 entries shown in separate tables, but only these 3 sites include Hazera HA-195							
* West Side REC location shown includes HA-195 but did not have Cobalt, so is excluded from the over-location summary							
*** the entry Cobalt was mistakenly not planted at the West Side location							
			VAR * LOC				
			LSD 0.05	0.37			
			%CV	25.2			
			P	0.002			

2009 PIMA SJVCB VARIETY TRIALS - RD						
University of California / San Joaquin Valley Cotton Board						1/29/2010
YEAR 2 & YEAR 3 ENTRY TRIALS plus UCCE entries			locations with 8 varieties included (includes HA-195)			
Questions?		Cooperative Project by:				
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<i>*see notes below table</i>						
'LOCATION: SAN JOAQUIN VALLEY (SJV) - (3 Locations + West Side REC site shown separately - right side of page)						
					AVG.	RD
VARIETY	SHAFTER REC	MENDOTA	LOS BANOS		RD	WEST SIDE REC**
OA-360	70.9	71.8	66.7		69.8	70.8
PO7X.8212 RF	71.7	70.8	67.5		70.0	71.3
PO7X.8213 RF	70.7	70.4	66.9		69.3	71.1
PHY-800	71.3	71.3	66.9		69.8	71.4
PHY-830	72.0	72.4	68.0		70.8	71.3
COBALT	68.7	69.6	65.2		67.8	***
DP-357	70.6	70.9	67.6		69.7	71.1
HA-195	72.8	71.8	70.4		71.6	72
MEAN	71.1	71.1	67.4		69.9	71.3
LSD 0.05	1.0	0.7	0.7		0.5	0.6
CV%	0.9	0.7	0.7		0.8	0.5
P	0.000	0.000	0.000		0.000	0.009
<i>* these locations are included in the five-location comparison with 7 entries shown in separate tables, but only these 3 sites include Hazera HA-195</i>						
<i>* West Side REC location shown includes HA-195 but did not have Cobalt, so is excluded from the over-location summary</i>						
<i>*** the entry Cobalt was mistakenly not planted at the West Side location</i>						
			VAR * LOC			
			LSD 0.05	1.0		
			%CV	1.0		
			P	0.001		

2009 PIMA SJVCB VARIETY TRIALS - +B							
University of California / San Joaquin Valley Cotton Board						1/29/2010	
YEAR 2 & YEAR 3 ENTRY TRIALS plus UCCE entries				locations with 8 varieties included (includes HA-195)			
Questions?		Cooperative Project by:					
Contact - Bob Hutmacher (Univ. CA)		San Joaquin Valley Cotton Board / University of California / Various Seed Companies					
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or e-mail: rbhutmacher@ucdavis.edu		Cooperators: Hutmacher, Wright, Marsh, Munk, Weir, Keeley, Delgado, Banuelos, Wroble					
<i>*see notes below table</i>							
'LOCATION: SAN JOAQUIN VALLEY (SJV) - (3 Locations + West Side REC site shown separately - right side of page)							
				AVG.		+B	
VARIETY	SHAFTER REC	MENDOTA	LOS BANOS	+B		WEST SIDE REC**	
OA-360	11.2	11.1	11.9	11.4		12	
PO7X.8212 RF	10.9	11.1	11.6	11.2		11.4	
PO7X.8213 RF	11.3	11.2	11.7	11.4		11.7	
PHY-800	11.1	11.1	11.7	11.3		11.7	
PHY-830	11.1	11.1	11.8	11.3		12.1	
COBALT	12.4	12.2	13.1	12.6		***	
DP-357	11.5	11.5	12.0	11.6		12.1	
HA-195	9.7	10.1	10.6	10.1		10.4	
MEAN	11.2	11.2	11.8	11.4		11.6	
LSD 0.05	0.3	0.3	0.3	0.2		0.3	
CV%	1.6	1.9	1.7	1.6		1.7	
P	0.000	0.000	0.000	0.000		0.000	
<i>* these locations are included in the five-location comparison with 7 entries shown in separate tables, but only these 3 sites include Hazera HA-195</i>							
<i>* West Side REC location shown includes HA-195 but did not have Cobalt, so is excluded from the over-location summary</i>							
<i>*** the entry Cobalt was mistakenly not planted at the West Side location</i>							
			VAR * LOC				
			LSD 0.05	NS			
			%CV	1.8			
			P	0.189			