

2014 (UC PIMA VARIETY TRIAL - 38")

Questions?	Cooperative Project by:	2/23/2015
Contact: Bob Hutmacher (Univ. CA)	University of California Cooperative Extension / Seed Companies / CA Cotton Growers Assoc. /	
cell #: (559) 260-8957	CA Cotton Alliance, SJV Quality Cotton-Shafter Station	
e-mail: rbhutmacher@ucdavis.edu	Cooperators: Growers, West Side REC, Hutmacher, Wright, Munk, Weir, Marsh, Keeley, Delgado	

LOCATION: Bakersfield area - Kern County

VARIETY	SEED COMPANY	MIC	LENGTH (inches)	STRENGTH (g/tex)	UNIFORMITY INDEX	MANUAL CLASSING		HVI TRASH	COLOR	
						LEAF GRADE	HVI COLOR		RD	+B
PHY-802RF	Phytogen	3.60	1.47	40.8	87.3	4.75	1.50	1.43	71.2	11.3
PHY-805RF	Phytogen	3.95	1.43	42.5	86.9	4.25	1.75	1.38	71.4	11.5
PHY-811RF	Phytogen	3.58	1.43	39.6	86.8	6.50	2.50	2.25	68.9	11.5
DP-358RF	Monsanto/Delta Pine	3.63	1.44	40.5	87.2	5.75	2.00	1.78	70.1	11.3
MON 13R348R2P	Monsanto	3.88	1.44	41.1	87.1	4.75	2.00	1.40	70.5	11.5
MON 12R254R2P	Monsanto	3.98	1.39	41.5	85.9	4.00	1.50	1.10	71.5	11.4
MEAN		3.77	1.44	41.0	86.9	5.00	1.88	1.55	70.6	11.4
LSD 0.05		0.18	0.02	NS	0.6	1.17	0.67	0.59	1.6	NS
%CV		3.2	0.9	3.5	0.5	15.5	23.7	25.3	1.5	1.9
P		0.000	0.000	0.162	0.004	0.003	0.049	0.014	0.023	0.646

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LOCATION: Buttonwillow area - Kern County

VARIETY	SEED COMPANY	MIC	LENGTH (inches)	STRENGTH (g/Tex)	UNIFORMITY INDEX	MANUAL CLASSING			COLOR	
						LEAF GRADE	HVI COLOR	HVI TRASH	RD	+B
PHY-802RF	Phytogen	4.05	1.46	45.5	88.0	3.00	1.25	0.68	72.6	11.0
PHY-805RF	Phytogen	4.33	1.41	44.9	86.8	2.00	1.25	0.43	72.6	11.1
PHY-811RF	Phytogen	4.30	1.43	43.5	87.8	3.00	1.75	0.63	72.0	11.0
DP-358RF	Monsanto/Delta Pine	4.10	1.42	44.7	87.4	2.50	1.25	0.55	73.1	10.9
MON 13R348R2P	Monsanto	4.38	1.42	44.6	87.3	2.50	1.25	0.50	73.1	11.1
MON 12R254R2P	Monsanto	4.40	1.38	46.0	86.6	2.25	1.25	0.50	72.7	11.3
HA-211	Hazera	4.33	1.39	36.7	86.1	3.25	1.50	0.93	73.1	10.1
HA-1432	Hazera	4.08	1.35	38.8	85.9	3.25	1.50	0.75	73.6	10.0
MEAN		4.24	1.41	43.1	87.0	2.72	1.38	0.62	72.8	10.8
LSD 0.05		0.16	0.05	2.1	1.3	0.69	NS	0.23	NS	0.2
%CV		2.6	2.2	3.3	1.0	17.3	29.7	25.2	1.3	1.3
P		0.000	0.003	0.000	0.020	0.006	0.555	0.004	0.442	0.000

2014 (UC PIMA VARIETY TRIAL - 30")

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LOCATION: Corcoran area - Kings County

VARIETY	SEED COMPANY	MIC	LENGTH (inches)	STRENGTH (g/Tex)	UNIFORMITY INDEX	MANUAL CLASSING		HVI		COLOR	
						LEAF GRADE	COLOR	TRASH	RD	+B	
PHY-802RF	Phytogen	3.83	1.48	43.6	87.7	5.00	2.00	1.50	70.1	10.9	
PHY-805RF	Phytogen	4.00	1.44	44.4	87.1	4.25	2.00	1.20	70.0	11.1	
PHY-811RF	Phytogen	3.98	1.42	41.7	87.3	6.25	2.75	2.18	68.0	11.1	
DP-358RF	Monsanto/Delta Pine	3.85	1.42	41.6	87.5	5.00	2.50	1.58	69.3	11.0	
MON 13R348R2P	Monsanto	4.05	1.43	43.8	87.6	4.75	2.25	1.33	70.0	11.1	
MON 12R254R2P	Monsanto	4.00	1.39	44.1	86.2	4.00	1.75	1.20	70.4	11.1	
MEAN		3.95	1.43	43.2	87.2	4.88	2.21	1.50	69.6	11.0	
LSD 0.05			0.02	2.1	1.0	1.30	NS	0.58	1.4	NS	
LSD 0.10		0.14									
%CV		2.9	1.1	3.2	0.7	17.7	26.5	25.7	1.3	2.3	
P		0.078	0.000	0.038	0.037	0.032	0.224	0.024	0.023	0.867	

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LOCATION: Los Banos area - Merced County

VARIETY	SEED COMPANY	MIC	LENGTH (inches)	STRENGTH (g/Tex)	UNIFORMITY INDEX	MANUAL CLASSING		HVI		COLOR	
						LEAF GRADE	COLOR	TRASH	RD	+B	
PHY-802RF	Phytogen	3.53	1.45	43.1	87.1	3.50	1.25	0.88	73.1	11.1	
PHY-805RF	Phytogen	3.80	1.41	43.1	86.8	3.00	1.25	0.70	72.4	11.3	
PHY-811RF	Phytogen	3.78	1.44	41.6	87.6	4.00	1.75	1.15	71.2	11.2	
DP-358RF	Monsanto/Delta Pine	3.30	1.41	40.3	86.3	3.50	1.25	0.88	72.1	11.3	
DP-13R348R2P	Monsanto/Delta Pine	3.65	1.42	41.7	87.1	3.25	1.00	0.85	72.6	11.5	
DP-12R254R2P	Monsanto/Delta Pine	3.80	1.38	43.5	86.8	3.25	1.00	0.68	73.0	11.3	
HA-211	Hazera	3.95	1.43	37.0	86.1	4.00	1.50	1.25	73.3	10.0	
HA-1432	Hazera	3.78	1.37	38.0	86.3	4.00	1.50	1.10	73.3	9.9	
MEAN		3.70	1.41	41.0	86.7	3.56	1.31	0.93	72.6	10.9	
LSD 0.05		0.36	0.02	1.8	0.8	NS	NS	NS		0.4	
LSD 0.10									1.1		
%CV		6.5	1.2	3.1	0.6	21.1	28.2	35.7	1.3	2.5	
P		0.032	0.000	0.000	0.016	0.396	0.111	0.192	0.053	0.000	

SWEN 3 2014 (UC PIMA VARIETY TRIAL - 40")

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LOCATION: West Side REC - Fresno County

VARIETY	SEED COMPANY	MIC	LENGTH (inches)	STRENGTH (g/Tex)	UNIFORMITY INDEX	MANUAL CLASSING		HVI		
						LEAF GRADE	HVI COLOR	HVI TRASH	COLOR	
									RD	+B
PHY-802RF	Phytogen	4.03	1.47	43.1	87.3	4.00	2.00	1.13	69.0	12.0
PHY-805RF	Phytogen	4.05	1.42	43.8	87.1	3.00	1.75	0.78	69.0	12.3
PHY-811RF	Phytogen	4.15	1.42	41.4	87.3	4.25	2.00	1.15	68.8	12.4
DP-358RF	Monsanto/Delta Pine	4.05	1.44	42.0	87.6	3.50	2.00	0.85	69.3	12.1
DP-13R348R2P	Monsanto/Delta Pine	4.15	1.43	40.7	87.6	4.00	2.50	1.15	67.9	12.3
DP-12R254R2P	Monsanto/Delta Pine	4.45	1.40	41.5	86.6	3.00	1.75	0.75	70.0	12.2
HA-211	Hazera	4.23	1.44	36.2	86.3	5.75	2.25	1.88	68.9	11.3
HA-1432	Hazera	3.83	1.37	36.1	85.2	4.25	2.00	1.23	70.3	11.3
DP-340	Monsanto/Delta Pine	4.40	1.41	39.0	87.0	2.50	1.25	0.50	70.4	12.1
MEAN		4.15	1.42	40.4	86.9	3.81	1.94	1.04	69.3	12.0
LSD 0.05		0.18	0.02	1.5	0.8	1.07	0.52	0.41	1.5	0.3
%CV		3.0	1.2	2.5	0.6	19.2	18.2	27.0	1.5	1.8
P		0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.034	0.000