

2011 PIMA Univ. of CA / SJVCB VARIETY TRIALS

LINT YIELDS - 2011

University of California / San Joaquin Valley Cotton Board

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 California Department of Food and Agriculture / Supima Association Cooperators: Hutmacher, Wright, Munk, Marsh, Weir, Keeley, Delgado, Banuelos, Wroble
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** note that these are the trial locations where we had ten entries included in the trials
 Hazera hybrid entries were included at locations shown in this table*

VARIETY	Seed Company Providing Entries	40" ROWS SHAFTER	40" WEST SIDE REC	40" MENDOTA	30" DOS PALOS	LINT YIELD (LBS/A) MEAN	LINT YIELDS AS % OF PHY-800
PHY-800	Phytogen	1020	1712	831	1294	1214	100
DP-340	Monsanto	1189	1851	855	1334	1307	108
DP-357	Monsanto	1215	1854	837	1319	1306	108
COBALT	Bayer	1104	1736	528	1282	1163	96
HA-195	Hazera	1511	1961	1104	1975	1638	135
HA-222	Hazera	1372	2056	1187	2005	1655	136
PHY-802RF	Phytogen	940	1710	1031	1208	1222	101
PHY-805RF	Phytogen	1116	1693	1087	1380	1319	109
PO6X8188	Phytogen	1062	1719	796	1402	1245	103
PO7X8227	Phytogen	1181	1854	873	1308	1304	107
MEAN		1171	1815	913	1451	1337	
LSD 0.05		168	129	202	130	70	
CV%		9.9	4.9	15.2	6.2	7.2	
P		0.000	0.000	0.000	0.000	0.000	

** the Shafter, West Side REC, Mendota and Dos Palos locations are also included in the 5-location comparison with 8 entries shown in separate tables, but only these 4 locations include the Hazera entries, for a total of 10 entries.*

Variety by Location Differences

LSD 0.05	165
%CV	8.8
P	0.000

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VARIETY	Seed Company Providing Entries	40" ROWS SHAFTER	40" WEST SIDE REC	40" MENDOTA	30" DOS PALOS	SEED COTTON YIELD (LBS/ACRE)
						MEAN
PHY-800	Phytogen	3109	5227	2717	3995	3762
DP-340	Monsanto	3582	5480	2726	4050	3960
DP-357	Monsanto	3624	5554	2688	4052	3980
COBALT	Bayer	3425	5294	1756	4022	3624
HA-195	Hazera	4389	5888	3435	5853	4891
HA-222	Hazera	4218	6232	3808	6099	5089
PHY-802RF	Phytogen	2854	5225	3313	3716	3777
PHY-805RF	Phytogen	3278	5094	3369	4032	3943
PO6X8188	Phytogen	3174	5221	2378	4239	3753
PO7X8227	Phytogen	3577	5536	2783	3952	3962
MEAN		3523	5475	2897	4401	4074
LSD 0.05		474	440	604	362	206
CV%		9.3	5.5	14.3	5.7	7.0
P		0.000	0.001	0.000	0.000	0.000

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Variety by Location Difference	
LSD 0.05	483
%CV	8.4
P	0.000

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GIN TURNOUT %

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VARIETY	Seed Company Providing Entries	40" ROWS SHAFTER	40" WEST SIDE REC	40" MENDOTA	30" DOS PALOS	GIN TURNOUT % MEAN
PHY-800	Phytogen	32.8	32.8	30.6	32.4	32.2
DP-340	Monsanto	33.2	33.9	31.4	33.0	32.9
DP-357	Monsanto	33.5	33.4	31.2	32.5	32.7
COBALT	Bayer	32.2	32.8	30.1	31.9	31.8
HA-195	Hazera	34.5	33.3	32.2	33.8	33.5
HA-222	Hazera	32.5	33.0	31.2	32.9	32.4
PHY-802RF	Phytogen	33.0	32.7	31.1	32.5	32.3
PHY-805RF	Phytogen	34.0	33.2	32.3	34.2	33.4
PO6X8188	Phytogen	33.4	32.9	33.0	33.1	33.1
PO7X8227	Phytogen	33.0	33.5	31.4	33.0	32.7
MEAN		33.2	33.2	31.5	32.9	32.7
LSD 0.05		0.8	NS		1.0	0.7
LSD 0.10				1.5		
CV%		1.7	1.9	3.9	2.1	2.8
P		0.000	0.250	0.095	0.004	0.000

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Variety by Location Difference	
LSD 0.05	NS
%CV	2.5
P	0.346

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VARIETY	Seed Company Providing Entries	40" ROWS SHAFTER	40" WEST SIDE REC	40" MENDOTA	30" DOS PALOS	LINT % MEAN
PHY-800	Phytogen	37.0	37.3	36.5	37.1	37.0
DP-340	Monsanto	36.7	38.4	36.7	37.0	37.2
DP-357	Monsanto	36.8	38.1	36.5	36.7	37.0
COBALT	Bayer	35.9	37.2	36.4	36.1	36.4
HA-195	Hazera	37.7	38.0	37.1	38.4	37.8
HA-222	Hazera	35.9	36.9	35.7	36.8	36.3
PHY-802RF	Phytogen	37.0	37.6	37.0	37.1	37.2
PHY-805RF	Phytogen	37.9	38.5	38.1	39.0	38.4
PO6X8188	Phytogen	37.1	37.8	38.4	37.8	37.8
PO7X8227	Phytogen	37.4	38.8	37.0	37.7	37.7
MEAN		36.9	37.9	36.9	37.4	37.3
LSD 0.05		0.7	0.8	1.3	1.0	0.5
CV%		1.3	1.4	2.5	1.8	1.9
P		0.000	0.001	0.011	0.000	0.000

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Variety by Location Difference	
LSD 0.05	0.9
%CV	1.7
P	0.032