

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	<u>Cooperative Project by:</u> 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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VARIETY	Seed Company Providing Entry	40" ROWS SHAFTER	30" CORCORAN	40" WEST SIDE REC	40" MENDOTA	30" DOS PALOS	LINT YIELD (LBS/A) MEAN	LINT YIELDS AS % OF PHY-800
PHY-800	Phytogen	1020	1671	1712	831	1294	1306	100
DP-340	Monsanto	1189	1649	1851	855	1334	1376	105
DP-357	Monsanto	1215	1620	1854	837	1319	1369	105
COBALT	Bayer	1104	1501	1752	504	1282	1229	94
PHY-802RF	Phytogen	940	1553	1709	1031	1208	1288	99
PHY-805RF	Phytogen	1116	1558	1693	1087	1380	1367	105
PO6X8188	Phytogen	1062	1732	1719	794	1402	1342	103
PO7X8227	Phytogen	1181	1725	1839	873	1308	1385	106
MEAN		1103	1626	1766	852	1316	1333	
LSD 0.05		172		95	130	NS	60	
LSD 0.10			137					
CV%		10.6	6.9	3.7	12.6	6.7	6.9	
P		0.044	0.076	0.003	0.000	0.132	0.000	

Variety by Location Differences

LSD 0.05	149
%CV	8
P	0.000

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SEED COTTON YIELD

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VARIETY	Seed Company Providing Entry	40" ROWS SHAFTER	30" CORCORAN	40" WEST SIDE REC	40" MENDOTA	30" DOS PALOS	SEED COTTON (LBS/ACRE) MEAN
PHY-800	Phytogen	3109	5030	5227	2717	3995	4016
DP-340	Monsanto	3582	4794	5480	2726	4050	4126
DP-357	Monsanto	3624	4707	5554	2688	4052	4125
COBALT	Bayer	3425	4504	5338	1674	4022	3793
PHY-802RF	Phytogen	2854	4743	5231	3313	3716	3971
PHY-805RF	Phytogen	3278	4631	5094	3369	4032	4081
PO6X8188	Phytogen	3174	4952	5221	2372	4239	3992
PO7X8227	Phytogen	3577	4981	5490	2783	3952	4157
MEAN		3328	4793	5329	2705	4007	4033
LSD 0.05		470	NS	NS	457	NS	173
CV%		9.6	6.9	4.4	11.4	6.0	6.5
P		0.027	0.327	0.117	0.000	0.235	0.006

Variety by Location Difference

LSD 0.05	418
%CV	7.4
P	0.000

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GIN TURNOUT (%)

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VARIETY	Seed Company Providing Entry	40" ROWS SHAFTER	30" CORCORAN	40" WEST SIDE REC	40" MENDOTA	30" DOS PALOS	GIN TURNOUT (percent) MEAN
PHY-800	Phytogen	32.8	33.2	32.8	30.6	32.4	32.4
DP-340	Monsanto	33.2	34.4	33.9	31.4	33.0	33.2
DP-357	Monsanto	33.5	34.4	33.4	31.2	32.5	33.0
COBALT	Bayer	32.2	33.3	32.8	30.1	31.9	32.1
PHY-802RF	Phytogen	33.0	32.7	32.7	31.1	32.5	32.4
PHY-805RF	Phytogen	34.0	33.7	33.2	32.3	34.2	33.5
PO6X8188	Phytogen	33.4	35.0	32.9	33.0	33.1	33.5
PO7X8227	Phytogen	33.0	34.7	33.5	31.4	33.0	33.1
MEAN		33.1	33.9	33.2	31.4	32.8	32.9
LSD 0.05		0.8	0.7	NS	NS	1.1	0.6
CV%		1.7	1.4	1.9	4.2	2.3	2.6
P		0.011	0.000	0.171	0.132	0.013	0.000

Variety by Location Difference

LSD 0.05	NS
%CV	2.5
P	0.116

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LINT PERCENT

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VARIETY	Seed Company Providing Entry	40" ROWS SHAFTER	30" CORCORAN	40" WEST SIDE REC	40" MENDOTA	30" DOS PALOS	LINT % MEAN
PHY-800	Phytogen	37.0	37.6	37.3	36.5	37.1	37.1
DP-340	Monsanto	36.7	38.5	38.4	36.7	37.0	37.5
DP-357	Monsanto	36.8	38.7	38.1	36.5	36.7	37.4
COBALT	Bayer	35.9	37.6	37.2	36.4	36.1	36.6
PHY-802RF	Phytogen	37.0	37.8	37.6	37.0	37.1	37.3
PHY-805RF	Phytogen	37.9	38.7	38.5	38.1	39.0	38.4
PO6X8188	Phytogen	37.1	38.7	37.8	38.4	37.8	38.0
PO7X8227	Phytogen	37.4	39.1	38.8	37.0	37.7	38.0
MEAN		37.0	38.3	38.0	37.1	37.3	37.5
LSD 0.05		0.7	0.4	0.8		1.1	0.4
LSD 0.10					1.2		
CV%		1.2	0.8	1.5	2.7	1.9	1.7
P		0.000	0.000	0.007	0.062	0.001	0.000

Variety by Location Difference

LSD 0.05	0.9
%CV	1.7
P	0.029