

2015 (University of California PIMA VARIETY TRIAL)

Seed cotton yields, lint percent, gin turnout percent, lint yields

Questions?	Cooperative Project by: 1/18/2016 version
Contact: Bob Hutmacher, (Univ. CA) Cell: (559) 260-8957 email: rbhutmacher@ucdavis.edu	University of California Cooperative Extension (UC-ANR) / Univ. CA Davis Plant Sci. Dept./ Univ. CA West Side REC Funding by: CA Cotton Growers Assoc., CA Cotton Alliance, UC-ANR / UCCE, UCD Plant Sciences Cooperators: multiple growers, Steve Wright, Dan Munk, Mark Keeley, Raul Delgado, Tarilee Frigulti, Nick Clark, Bill Weir, Brian Marsh, SJV Quality Cotton Growers Assoc - Shafter, UCCE Tulare, Kings, Fresno, Kern, Merced Co.'s

LOCATION: RIVERDALE (Fresno County)

HARVEST DATE: 10/22

30 inch row spacing trial

VARIETY	SEED COMPANY	SEED COTTON LBS/A	LINT %	GIN T.O. %	LINT YIELD LBS/A	LINT YIELD % OF PHY 805RF
PHY-805RF	Phytogen	4510	38.7	34.5	1555	100
PX8431RF-CB	Phytogen	4644	39.7	35.2	1636	105
PX8188RF-HB	Phytogen	4657	40.1	35.6	1660	107
PHY-811RF	Phytogen	4592	37.5	33.6	1540	99
DP-348RF	Monsanto	4472	37.6	33.0	1475	95
DP-358RF	Monsanto	4632	37.4	33.0	1528	98
MEAN		4585	38.5	34.2	1566	
LSD 0.05		NS	1.0	1.4	NS	
%CV		5.2	1.6	2.8	6.1	
P		0.835	0.000	0.004	0.118	

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LOCATION: SHAFTER (Kern County)

HARVEST DATE: 11/09

40 inch row spacing

VARIETY	SEED COMPANY	SEED COTTON LBS/A	LINT %	GIN T.O. %	LINT YIELD LBS/A	LINT YIELD % OF PHY-805RF
PHY-805RF	Phytogen	3161	37.6	33.2	1049	100
PX8431RF-CB	Phytogen	3528	38.3	34.0	1200	114
PX8188RF-HB	Phytogen	3422	38.4	33.7	1153	110
PHY-811RF	Phytogen	2871	35.7	31.6	906	86
DP-348RF	Monsanto	3203	37.0	32.9	1058	101
DP-358RF	Monsanto	3498	35.9	31.5	1102	105
PHY-802RF	Phytogen	3237	37.4	33.1	1071	102
MEAN		3274	37.2	32.9	1077	
LSD 0.05		NS	1.0	1.2	NS	
%CV		14.8	1.9	1.9	16.0	
P		0.518	0.000	0.000	0.366	

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LOCATION: CORCORAN (Kings County)

HARVEST DATE: 10/26

30 inch row spacing trial

VARIETY	SEED COMPANY	SEED COTTON LBS/A	LINT %	GIN T.O. %	LINT YIELD LBS/A	LINT YIELD % OF PHY 805RF
PHY-805RF	Phytogen	5748	38.3	34.1	1958	100
PX8431RF-CB	Phytogen	5371	38.7	34.4	1848	94
PX8188RF-HB	Phytogen	5769	39.2	34.9	2016	103
PHY-811RF	Phytogen	5729	36.9	32.4	1857	95
DP-348RF	Monsanto	6296	37.6	33.3	2094	107
DP-358RF	Monsanto	5960	36.9	32.6	1939	99
MEAN		5812	37.9	33.6	1952	
LSD 0.05		188	0.8	1.4	84	
%CV		2.1	1.4	2.8	2.8	
P		0.000	0.000	0.008	0.000	

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LOCATION: LOS BANOS (Merced County)

HARVEST DATE: 10/20

30 inch row spacing trial

VARIETY	SEED COMPANY	SEED COTTON LBS/A	LINT %	GIN T.O. %	LINT YIELD LBS/A	LINT YIELD % OF PHY 805RF
PHY-805RF	Phytogen	2777	38.1	32.1	890	100
PX8431RF-CB	Phytogen	2948	39.2	33.6	990	111
PX8188RF-HB	Phytogen	3077	39.0	33.0	1015	114
PHY-811RF	Phytogen	3270	37.3	31.7	1036	116
DP-348RF	Monsanto	3376	38.3	32.5	1097	123
DP-358RF	Monsanto	3425	37.8	32.2	1102	124
HA-1432	Hazera	6249	37.1	33.4	2090	235
MEAN		3589	38.1	32.6	1174	
LSD 0.05		347	NS	NS	138	
%CV		3.9	2.3	2.8	4.8	
P		0.000	0.256	0.393	0.000	