

## 2014 (UC ACALA/UPLAND VARIETY TRIAL - 30" row spacing)

Seed cotton yields, lint %, gin turnout %, lint yields

Questions?	Cooperative Project by: <b>2/16/2015 version</b>
Contact: Bob Hutmacher (Univ. CA) cell #: (559) 260-8957 e-mail: rbhutmacher@ucdavis.edu	University of California Cooperative Extension / Seed Companies / CA Cotton Growers Assoc. / CA Cotton Alliance, Cotton Inc. State Support Committee, SJV Quality Cotton-Shafter Station Cooperators: Growers, West Side REC, Hutmacher, Wright, Munk, Weir, Marsh, Keeley, Delgado

### Location: Los Banos area - Merced County

Planting Date: April 16

Harvest Date: October 6

VARIETY	SEED COMPANY	SEED COTTON LBS/A	LINT %	GIN T.O. %	LINT YIELD LBS/A	LINT YIELD % OF PHY-725RF
PHY-725RF	Phytogen	4671	38.8	34.1	1593	100
PHY-PX7064-05WRF	Phytogen	5146	42.1	37.5	1928	121
PHY-499WRF	Phytogen	5099	41.7	35.9	1829	115
FM 1830GLT	Bayer	5052	43.5	39.1	1978	124
FM 2334GLT	Bayer	4965	44.4	40.5	2006	126
FM 2322GL	Bayer	4552	46.0	40.7	1850	116
DP 1252B2RF	Monsanto/Delta Pine	5613	43.7	39.1	2195	138
DP 1137B2RF	Monsanto/Delta Pine	5353	43.0	38.9	2079	131
DP 1050B2RF	Monsanto/Delta Pine	5623	42.9	38.9	2184	137
MEAN		5119	42.9	38.3	1960	
LSD 0.05		681	1.0	1.4	263	
%CV		9.1	1.6	2.5	9.2	
P		0.037	0.000	0.000	0.002	

# 2014 (UC ACALA/UPLAND VARIETY TRIAL - 40" row spacing)

Seed cotton yields, lint %, gin turnout %, lint yields

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

**Location: Mendota area - Fresno County**

Planting Date: April 8

Harvest Date: November

VARIETY	SEED COMPANY	SEED COTTON LBS/A	GIN TURNOUT (%) **	LINT YIELD LBS/A **	LINT YIELD % OF PHY-725RF
PHY-725RF	Phytogen	4657	40.3	1877	100
PHY-PX7064-05WRF	Phytogen	4314	43.0	1855	99
PHY-499WRF	Phytogen	4800	45.7	2196	117
FM 1830GLT	Bayer	4467	46.3	2067	110
FM 2334GLT	Bayer	4357	45.8	1994	106
FM 2322GL	Bayer	4458	46.8	2086	111
DP 1252B2RF	Monsanto/Delta Pine	4278	47.9	2050	109
DP 1137B2RF	Monsanto/Delta Pine	4323	47.3	2045	109
DP 1050B2RF	Monsanto/Delta Pine	4491	46.2	2075	111
MEAN		4461		2027	
LSD 0.05		212		110	
%CV		3.3		3.7	
P		0.000		0.000	

\*\* Lint yields calculations were based on large plot measured seedcotton yields plus gin turnout % determined on hand-picked samples. (The hand samples were deemed necessary due to the presence of some volunteer glyphosate-resistant Pima present in small quantities in field replications of planted varieties). Samples for gin turnout were hand picked so that we would still be able to also submit these mini-gin samples for fiber quality / hvi analyses (which we did not want contaminated with Pima lint). Actual field operation gin turnouts would normally be significantly lower.

**SWEN 1 2014 (Univ. CA ACALA/UPLAND VARIETY TRIAL - 40" row spacing)***Seed cotton yields, lint %, gin turnout %, lint yields*

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**Location: Univ. CA West Side REC, fld 22 - Fresno County**

Planting Date: April 17

Harvest Date: October 27

VARIETY	SEED COMPANY	SEED COTTON LBS/A	LINT %	GIN T.O. %	LINT YIELD LBS/A	LINT YIELD % OF PHY 725RF
PHY-725RF	Phytogen	5159	38.7	33.0	1700	100
PHY-PX7064-05WRF	Phytogen	5492	40.6	34.5	1894	111
PHY-499WRF	Phytogen	5534	43.0	35.2	1952	115
FM 1830GLT	Bayer	5372	43.8	36.7	1968	116
FM 2334GLT	Bayer	4963	43.7	37.0	1836	108
FM 2322GL	Bayer	4696	46.0	39.4	1851	109
DP 1252B2RF	Monsanto / Delta Pine	4849	45.0	38.2	1848	109
DP 1137B2RF	Monsanto / Delta Pine	5424	43.6	37.8	2050	121
DP 1050B2RF	Monsanto / Delta Pine	5076	44.0	37.5	1900	112
PHY-755RF	Phytogen	4783	37.9	32.5	1554	91
DAYTONA RF	Bayer	4834	42.7	35.4	1709	101
MEAN		5107	42.6	36.1	1842	
LSD 0.05		526	0.6	1.0	180	
%CV		7.1	0.9	1.9	6.8	
P		0.014	0.000	0.000	0.000	