

UNIVERSITY OF CALIFORNIA - 2016

UPLAND ADVANCED STRAINS TRIAL summary: 1/16-2017 update

Variety evaluation
 Conducted at Univ. CA West Side REC
 PI on project: Hutmacher, Bob

Questions?
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Cooperative Project by:
 University of CA Coop. Extension (UC-ANR) / Univ. CA Davis Plant Sci Dept. / Univ. CA West Side REC
 Funding by: CA Cotton Growers&Ginners Assoc., CA Cotton Alliance, Cotton Incorporated, UC-ANR/UCCE, UC Davis Plant Sci. Dept.
 Cooperators: multiple growers, Steve Wright, Brian Marsh, Mark Keeley, Raul Delgado, TariLee Frigulti,
 SJV Quality Cotton Growers Assoc.-Shafter, Univ CA Cooperative Extension Tulare and Kings Counties, Univ. CA West Side Research and Extension Center

LOCATION: WSREC (FIELD 16) HARVEST DATE: 10/14
 row spacing = 40 inches

VARIETY	SEED COMPANY	SEED COTTON LBS/A	MINI-GIN LINT PERCENT (%)	MINI-GIN TURNOUT T.O. %	LINT YIELD LBS/A	LINT YIELD - % OF PHY-725RF
PHY 725RF	Phytogen	6616	42.8	42.1	2787	100
BX 1733GLT	Bayer	6339	46.5	45.8	2905	104
BX 1737GLT	Bayer	6443	44.3	43.8	2821	101
BX 1738GLT	Bayer	6867	46.5	46.1	3166	114
BX 1739GLT	Bayer	5311	47.8	47.3	2514	90
BX 1773GLTP	Bayer	6351	43.9	43.6	2769	99
BX 1775GLTP	Bayer	5835	43.5	42.9	2500	90
BX 1736GLT	Bayer	5594	47.3	46.6	2605	93
BX 1776GLTP	Bayer	6329	44.7	43.5	2752	99
MON 15R513B2XF	Monsanto / Delta Pine	6511	46.3	45.4	2956	106
MON 15R535B2XF	Monsanto / Delta Pine	6141	50.0	49.4	3036	109
MON 15R556B2XF	Monsanto / Delta Pine	5696	50.6	50.2	2861	103
MON 16R229B2XF	Monsanto / Delta Pine	5652	48.2	47.7	2698	97
MON 16R247NRB2XF	Monsanto / Delta Pine	5804	49.2	48.8	2828	101
MON 16R251NRB2XF	Monsanto / Delta Pine	5361	49.0	49.0	2628	94
DP 1646B2XF	Monsanto / Delta Pine	6550	48.6	48.1	3147	113
DG 3445B2XF	Dynagro	5744	43.4	43.0	2468	89
DG 3526B2XF	Dynagro	6259	49.6	49.1	3073	110
CPS CT15574B2RF	Dynagro	6952	45.6	45.1	3133	112
MEAN		6124	46.7	46.2	2824	
LSD 0.05		495	0.9	1.0	242	
%CV		5.7	1.3	1.5	6.0	
P		0.000	0.000	0.000	0.000	

* NOTE: LINT YIELD VALUES shown were calculated using a mini-gin. This simple ginning method differs from UCCE methods in prior years (mini-gin does not have commercial gin style cleaners. Corrections were calculated for moisture loss/gain between field harvest weight timing and ginning timing, and basic gin loss estimates are typically lower with use of mini-gin. All samples were handled in an identical manner in terms of mini-gin operations, so gin turnout and lint percent numbers represent relative variety differences.

a LSD = least significant difference at 5% level (differences in mean values shown that differ by more than LSD value shown are significantly different)
 b C.V. = coefficient of variation across replications
 c P = probability (if value shown is 0.05 or less, there is greater than a 95% probability of significant differences between mean values shown)