

2013 ACALA / UPLAND UC VARIETY TRIALS - **SEEDCOTTON YIELD (lbs / acre)**

3 locations / 4 replications average (University of California West Side REC)

Questions?

Contact - Bob Hutmacher (Univ. CA)

cell # (559) 260-8957

or e-mail: rbhutmacher@ucdavis.edu

Cooperative Project by:

University of California / Various Seed Companies

SJV Cotton Board, CA Dept Food and Agriculture, CA Cotton Growers Association Research Program

Cooperators: Hutmacher, Wright, Munk, Keeley, Weir, Delgado, Banuelos, Wroble, Marsh

9 VARIETIES included (at one location in San Joaquin Valley)

10 varieties included (at two locations in San Joaquin Valley)

VARIETY	SEED COTTON (LBS/ACRE)			SEED	SEED
	40" ROWS	30" ROWS	30" ROWS	COTTON	COTTON
	WSREC	TULARE CO.	MERCED CO.	YIELD	YIELD AS %
				(lbs/acre)	OF PHY-725RF
				AVERAGE	YIELD
PHY 725RF	5939	4851	5641	5477	100
PHY 499WRF	6117	5345	5558	5673	104
DAYTONA RF	5092	4054	6179	5108	93
FM 1944GLB2	5421	5076	5517	5338	97
ST 4946GLB2	6003	5303	6298	5868	107
ST 6448GLB2	5199	4551	6722	5491	100
PHY-7064-05WRF	5679	5153	6168	5667	103
ALLTEX NITRO 44	6119	5252	6165	5845	107
ALLTEX 13464	5888	5254	6005	5716	104
FM 2484B2F	5482	----	6353		
MEAN	5694	4982	6061	5576	
LSD 0.05	369	251	588	281	
CV%	4.5	3.5	6.7	6.0	
P	0.000	0.000	0.004	0.000	

Variety by Location Difference

LSD 0.05	530
%CV	6.7
P	0.000

2013 ACALA / UPLAND UC VARIETY TRIALS - *LINT PERCENT*

3 locations / 4 replications average (University of California West Side REC)

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9 VARIETIES included (at one location in San Joaquin Valley)

10 varieties included (at two locations in San Joaquin Valley)

VARIETY	LINT PERCENT			LINT PERCENT AVERAGE
	40" ROWS	30" ROWS	30" ROWS	
	WSREC	TULARE CO.	MERCED CO.	
PHY 725RF	37.9	35.6	37.7	37.1
PHY 499WRF	42.0	39.8	41.4	41.1
DAYTONA RF	41.9	40.5	43.0	41.8
FM 1944GLB2	39.6	36.9	39.0	38.5
ST 4946GLB2	39.8	37.5	39.3	38.9
ST 6448GLB2	38.8	36.9	38.9	38.2
PHY-7064-05WRF	40.8	38.7	40.6	40.0
ALLTEX NITRO 44	38.8	36.8	39.3	38.3
ALLTEX 13464	39.8	37.4	39.1	38.8
FM 2484B2F	40.6	----	40.7	
MEAN	40.0	37.8	39.9	39.2
LSD 0.05	0.5	0.7	0.8	0.4
CV%	0.9	1.2	1.3	1.1
P	0.000	0.000	0.000	0.000

Variety by Location Difference

LSD 0.05	NS
%CV	1.4
P	0.240

2013 ACALA / UPLAND UC VARIETY TRIALS - *GIN TURNOUT %*

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10 varieties included (at two locations in San Joaquin Valley)

VARIETY	GIN TURNOUT %			GIN TURNOUT PERCENT AVERAGE
	40" ROWS	30" ROWS	30" ROWS	
	WSREC	TULARE CO.	MERCED CO.	
PHY 725RF	33.9	31.1	33.7	32.9
PHY 499WRF	36.0	34.0	36.2	35.4
DAYTONA RF	37.2	35.0	38.0	36.7
FM 1944GLB2	36.1	32.3	34.8	34.4
ST 4946GLB2	35.3	32.5	34.6	34.1
ST 6448GLB2	34.3	32.8	34.7	33.9
PHY-7064-05WRF	36.4	33.4	36.0	35.3
ALLTEX NITRO 44	33.8	32.2	34.4	33.5
ALLTEX 13464	34.4	32.4	34.5	33.8
FM 2484B2F	36.5	----	36.2	
MEAN	35.4	32.9	35.3	34.4
LSD 0.05	1.0	1.2	0.9	0.6
CV%	1.9	2.6	1.8	2.2
P	0.000	0.000	0.000	0.000

Variety by Location Difference

LSD 0.05	NS
%CV	2.3
P	0.295

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VARIETY	LINT YIELD (LBS/ACRE)						LINT YIELD (lbs/acre) AVERAGE	LINT YIELD AS % OF PHY-725RF YIELD
	WSREC site		Tulare Co site		Merced Co site			
	40" ROWS	yield as % of	30" ROWS	yield as % of	30" ROWS	yield as % of		
	WSREC	Phy-725RF	TULARE CO.	Phy-725RF	MERCED CO.	Phy-725RF		
PHY 725RF	2014	100	1509	100	1904	100	1809	100
PHY 499WRF	2198	109	1818	120	2013	106	2010	111
DAYTONA RF	1893	94	1417	94	2345	123	1885	104
FM 1944GLB2	1955	97	1636	108	1927	101	1839	102
ST 4946GLB2	2118	105	1723	114	2176	114	2006	111
ST 6448GLB2	1781	88	1493	99	2334	123	1869	103
PHY-7064-05WRF	2069	103	1718	114	2221	117	2003	111
ALLTEX NITRO 44	2066	103	1689	112	2123	112	1959	108
ALLTEX 13464	2021	100	1702	113	2071	109	1931	107
FM 2484B2F	2003	99	**	**	2299	121		
MEAN	2012		1634		2141		1923	
LSD 0.05	118		80		230		101	
CV%	4.0		3.4		7.4		6.2	
P	0.000		0.000		0.002		0.001	

** inadequate seed supplies available at time of trial planting, so entry not included at this site.

Variety by Location Difference

LSD 0.05	195
%CV	7.2
P	0.000