

# 2013 ACALA / UPLAND UC VARIETY TRIALS - VISALIA CLASSING OFFICE

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

Questions?	<u>Cooperative Project by:</u>
Contact - Bob Hutmacher (Univ. CA)	San Joaquin Valley Cotton Board / University of California / Various Seed Companies
cell # (559) 260-8957	California Department of Food and Agriculture
or e-mail: rbhutmacher@ucdavis.edu	Cooperators: Hutmacher, Wright, Munk, Marsh, Keeley, Delgado, Banuelos, Wroble, Weir

Average of 9 VARIETIES (San Joaquin Valley)

## MICRONAIRE

VARIETY	40" ROWS	30" ROWS	30" ROWS	AVG.
	WSREC	TULARE CO.	MERCED CO.	MICRONAIRE
PHY 725RF	4.33	3.83	4.10	4.08
PHY 499WRF	4.58	3.83	4.35	4.25
DAYTONA RF	4.43	3.73	4.23	4.13
FM 1944GLB2	4.45	3.55	4.13	4.04
ST 4946GLB2	4.15	3.63	4.00	3.93
ST 6448GLB2	4.13	3.65	3.93	3.90
PHY-7064-05WRF	4.20	3.68	4.08	3.98
ALLTEX NITRO 44	4.08	3.48	3.95	3.83
ALLTEX 13464	4.30	3.55	3.95	3.93
FM 2484B2F	4.05	---- *	3.73	
MEAN	4.27	3.66	4.05	4.01
LSD 0.05	0.14	0.19	NS	0.15
CV%	2.3	3.5	6.6	4.4
P	0.000	0.007	0.143	0.000

\* not included at this site

## Variety by Location Difference

LSD 0.05	NS
%CV	4.9
P	0.802

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VARIETY	LENGTH			AVG. LENGTH
	40" ROWS	30" ROWS	30" ROWS	
	WSREC	TULARE CO.	MERCED CO.	
PHY 725RF	1.22	1.24	1.23	1.23
PHY 499WRF	1.16	1.17	1.16	1.16
DAYTONA RF	1.18	1.19	1.17	1.18
FM 1944GLB2	1.16	1.20	1.19	1.18
ST 4946GLB2	1.16	1.19	1.17	1.17
ST 6448GLB2	1.19	1.20	1.17	1.19
PHY-7064-05WRF	1.20	1.22	1.19	1.20
ALLTEX NITRO 44	1.24	1.23	1.25	1.24
ALLTEX 13464	1.21	1.22	1.23	1.22
FM 2484B2F	1.21	---- *	1.19	
MEAN	1.19	1.21	1.20	1.20
LSD 0.05	0.02	0.02	0.02	0.01
CV%	1.0	1.2	1.2	1.3
P	0.000	0.000	0.000	0.000

\* not included at this site

### Variety by Location Difference

LSD 0.05	0.02
%CV	1.2
P	0.010

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<b>STRENGTH</b>				
VARIETY	40" ROWS	30" ROWS	30" ROWS	AVG.
	WSREC	TULARE CO.	MERCED CO.	STRENGTH
PHY 725RF	35.4	34.2	35.2	35.0
PHY 499WRF	33.3	32.7	32.8	33.0
DAYTONA RF	35.2	33.9	35.0	34.7
FM 1944GLB2	32.2	31.8	33.0	32.4
ST 4946GLB2	33.1	32.3	32.6	32.7
ST 6448GLB2	30.4	29.1	29.9	29.8
PHY-7064-05WRF	37.2	36.2	36.5	36.6
ALLTEX NITRO 44	34.4	33.2	33.5	33.7
ALLTEX 13464	34.0	32.8	33.2	33.3
FM 2484B2F	32.8	---- *	32.2	
MEAN	33.8	32.9	33.4	33.5
LSD 0.05	1.3	1.0	1.1	0.6
CV%	2.6	2.2	2.4	2.2
P	0.000	0.000	0.000	0.000

\* not included at this site

### Variety by Location Difference

LSD 0.05	NS
%CV	2.6
P	0.951

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Average of 9 VARIETIES (San Joaquin Valley)

### UNIFORMITY

VARIETY	40" ROWS	30" ROWS	30" ROWS	AVG. UNIFORMITY
	WSREC	TULARE CO.	MERCED CO.	
PHY 725RF	83.0	82.3	82.5	82.6
PHY 499WRF	83.0	81.9	82.4	82.4
DAYTONA RF	83.1	82.0	82.5	82.5
FM 1944GLB2	81.3	80.5	81.4	81.0
ST 4946GLB2	82.3	81.4	81.9	81.9
ST 6448GLB2	80.7	80.5	80.5	80.6
PHY-7064-05WRF	83.0	82.5	82.7	82.7
ALLTEX NITRO 44	83.4	81.8	83.0	82.7
ALLTEX 13464	83.0	81.1	82.5	82.2
FM 2484B2F	81.9	---- *	81.0	
MEAN	82.5	81.6	82.0	82.1
LSD 0.05	0.9	0.6	1.1	0.5
CV%	0.4	0.5	0.9	0.7
P	0.000	0.000	0.001	0.000

\* not included at this site

### Variety by Location Difference

LSD 0.05	NS
%CV	0.8
P	0.502

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## LEAF GRADE

VARIETY	40" ROWS	30" ROWS	30" ROWS	AVG. GRADE
	WSREC	TULARE CO.	MERCED CO.	
PHY 725RF	2.00	2.75	1.75	2.17
PHY 499WRF	3.00	3.25	2.25	2.83
DAYTONA RF	2.00	3.00	2.25	2.42
FM 1944GLB2	1.25	2.50	1.25	1.67
ST 4946GLB2	2.25	4.25	1.75	2.75
ST 6448GLB2	1.75	2.00	1.50	1.75
PHY-7064-05WRF	1.75	2.50	1.50	1.92
ALLTEX NITRO 44	2.75	3.25	2.50	2.83
ALLTEX 13464	2.75	3.25	2.00	2.67
FM 2484B2F	1.25	---- *	1.25	
MEAN	2.08	2.97	1.80	2.33
LSD 0.05	0.57	0.75	0.62	0.36
CV%	19.0	17.3	23.7	18.3
P	0.000	0.000	0.002	0.000

\* not included at this site

### Variety by Location Difference

LSD 0.05	0.73
%CV	22.1
P	0.045

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<u>HVI TRASH</u>				
VARIETY	40" ROWS	30" ROWS	30" ROWS	AVG. TRASH
	<u>WSREC</u>	<u>TULARE CO.</u>	<u>MERCED CO.</u>	
PHY 725RF	0.15	0.25	0.13	0.18
PHY 499WRF	0.28	0.33	0.15	0.25
DAYTONA RF	0.18	0.30	0.18	0.22
FM 1944GLB2	0.10	0.23	0.10	0.14
ST 4946GLB2	0.18	0.50	0.15	0.28
ST 6448GLB2	0.15	0.13	0.13	0.13
PHY-7064-05WRF	0.18	0.25	0.15	0.19
ALLTEX NITRO 44	0.30	0.38	0.23	0.30
ALLTEX 13464	0.23	0.38	0.15	0.25
FM 2484B2F	0.10	---- *	0.10	
MEAN	0.19	0.31	0.15	0.21
LSD 0.05	0.07	0.13	0.05	0.05
CV%	26.4	29.0	24.9	30.0
P	0.000	0.000	0.002	0.000

\* not included at this site

### Variety by Location Difference

LSD 0.05	0.10
%CV	32.6
P	0.003

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VARIETY	RD			AVG. RD
	40" ROWS	30" ROWS	30" ROWS	
	WSREC	TULARE CO.	MERCED CO.	
PHY 725RF	79.9	80.7	81.7	80.7
PHY 499WRF	79.9	79.7	81.4	80.3
DAYTONA RF	81.8	79.8	81.8	81.1
FM 1944GLB2	83.7	82.9	84.8	83.8
ST 4946GLB2	81.1	80.1	82.4	81.2
ST 6448GLB2	83.4	82.8	83.6	83.2
PHY-7064-05WRF	80.8	80.7	82.0	81.1
ALLTEX NITRO 44	81.3	80.6	83.2	81.7
ALLTEX 13464	80.5	80.8	82.7	81.3
FM 2484B2F	84.6	---- *	85.5	
MEAN	81.7	80.9	82.9	81.6
LSD 0.05	1.0	0.9	0.6	0.4
CV%	0.9	0.7	0.5	0.6
P	0.000	0.000	0.000	0.000

\* not included at this site

### Variety by Location Difference

LSD 0.10	0.9
%CV	0.9
P	0.082

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<u>+B</u>				
VARIETY	40" ROWS	30" ROWS	30" ROWS	AVG.
	WSREC	TULARE CO.	MERCED CO.	+B
PHY 725RF	9.18	8.95	8.33	8.82
PHY 499WRF	8.85	8.90	8.23	8.66
DAYTONA RF	8.75	9.08	8.30	8.71
FM 1944GLB2	7.70	8.03	7.35	7.69
ST 4946GLB2	8.70	8.65	8.15	8.50
ST 6448GLB2	8.65	8.65	7.85	8.38
PHY-7064-05WRF	8.83	9.05	8.28	8.72
ALLTEX NITRO 44	8.60	8.35	7.83	8.26
ALLTEX 13464	9.00	8.65	8.08	5.85
FM 2484B2F	7.88	--- *	7.18	
MEAN	8.61	8.70	7.96	8.48
LSD 0.05	0.33	0.22	0.31	0.16
CV%	2.6	1.7	0.5	2.2
P	0.000	0.000	0.000	0.000

\* not included at this site

<u>Variety by Location Difference</u>	
LSD 0.10	0.25
%CV	2.5
P	0.082