

Table 3. UNIVERSITY OF CALIFORNIA - CALIFORNIA UPLANDS ADVANCED STRAINS (Farm Advisors & Specialist Trials) – 2004. Lint yields (in lbs/acre and as % of Approved Acala variety “Phytogen-72”) by test location and average gin turnout by variety in *2004 California Upland Advanced Strains Variety Trial* (2 locations with 1 Acala variety (Phytogen-72) and 20 California Upland varieties). (UCCE Cooperators: R. Hutmacher, B. Marsh, M. Keeley, R. Delgado, S. Ball, F. Leal, E. Scott in fields at the UC Shafter and UC West Side Research & Extension Centers).

Seed Company Or Breeder	Variety Name or Number	40" rows Shafter REC (Kern County) Lint Yields & Gin Turnouts			40" rows West Side REC (Fresno Co.) Lint Yields & Gin Turnouts			Average Lint Yields Across 2 Locations		Average Gin Turnout Across Two locations (%)
		Lint yield (lbs lint per acre)	Lint yield (as % of Phy-72 Yield)	Gin Turnout (%)	Lint yield (lbs lint per acre)	Lint yield (as % of Phy-72 Yield)	Gin Turnout (%)	(lbs lint per acre)	(as % of Phy-72 Yield)	
Phytogen	Phytogen-72 (Acala for comparison)	1825	100	33.9	1926	100	34.7	1876	100	34.3
Bayer / Fibermax	FM-960 B2R	1556	85	34.0	2004	104	36.1	1780	95	35.1
Bayer / Fibermax	FM-966 LL	1772	97	35.2	2049	106	36.0	1911	102	35.6
Bayer / Fibermax	FM-958 LL	1826	100	35.4	1885	98	36.4	1856	99	35.9
Bayer / Fibermax	FM-960 RR	1674	92	35.8	2148	112	37.0	1911	102	36.4
Stoneville	STX-5454 B2R	1541	84	32.2	2010	104	34.3	1776	94	33.3
Stoneville	STX-4575 BR	1681	92	36.0	2435	126	36.8	2058	109	36.4
Stoneville	STX-4686 RR	1882	103	35.6	1989	103	35.4	1936	103	35.5
Stoneville	ST-6636 BR	1704	93	33.3	1887	98	34.3	1796	96	33.8
Stoneville	ST-6848 RR	1691	93	32.4	1877	97	34.2	1784	95	33.3
Stoneville	ST-5242 BR	1909	105	35.7	2234	116	36.7	2072	110	36.2
Delta & Pine Land Company	DP-444 BR	1997	109	36.7	2329	121	37.8	2163	115	37.3
Delta & Pine Land Company	DP-555 BR	1644	90	36.6	1676	87	38.2	1660	89	37.4
Delta & Pine Land Company	DP-494 RR	1597	88	35.6	1922	100	36.5	1760	94	36.1
Delta & Pine Land Company	DP-434 RR	1948	107	37.0	2470	128	38.6	2209	117	37.8
Delta & Pine Land Company	DP-432 RR	1856	102	34.6	2032	106	34.7	1944	104	34.7
Olvey and Associates	OA-85	1925	105	36.8	2075	108	38.2	2000	107	37.5
Syntech Research	SYN-0651	1472	81	30.3	1753	91	31.3	1613	86	30.8
Syntech Research	SYN-2226	1255	69	31.2	1755	91	33.0	1505	80	32.1
Syntech Research	SYN-2534	1332	73	31.1	1942	101	32.1	1637	87	31.6
Syntech Research	SYN-7184	1211	66	29.3	1805	94	31.0	1508	80	30.2
Mean		1681	-	34.2	2010	-	35.4	1845	-	34.8
LSD (0.05)		271	-	1.2	156	-	0.7	164	-	0.7
C.V. (%)		11.4	-	2.5	5.5	-	1.3	8.9	-	2.1
P (Probability)		0.000	-	0.000	0.000	-	0.000	0.000	-	0.000

VARIETY by LOCATION interaction (for yields): LSD(0.05) = 206; C.V. = 7.9 %; P = 0.000; LSD(0.10)=0.7; C.V.=1.8%; P=0.058

