

LONG STAPLE VARIETY TRIAL

Lee Hunt--Thatcher

Agricultural Extension Agent--John Sears

Variety	Pick	Turnout (%)	<u>1/</u> Lint (lb/A)	Total Lint (lb/A)	Length (UHM)	Strength (Pressley 1/8")	Micro-naire <u>2/</u>
S-2	1st	33.10	754	925	1.30	4.89	3.85
	2nd	32.35	171		1.20	3.88	2.98
P-19	1st	38.35	818	1029	1.37	4.58	3.83
	2nd	32.35	211		1.33	3.96	3.15
P-21	1st	38.40	867	1005	1.43	4.46	3.78
	2nd	32.00	138		1.28	4.09	2.88

1/ Percent turnout based upon laboratory gin results.

2/ Quality measurements made at University of Arizona Cotton Laboratory.

CROP HISTORY: ELEVATION: 2900 ft. PLANTED: 4/21/70. HARVESTED: First pick 10/23/70, second pick 11/26/70. PREVIOUS CROP: Barley and Grain Sorghum. IRRIGATION: Pre-irrigated and three other irrigations the last of which was on 8/15/70. SOURCE OF WATER: Well and ditch. FERTILIZER: None on cotton, previous barley crop had 300 lb/A of 16-20-0 and 75 lb/A NH₃. Previous grain sorghum crop had 200 lb/A urea and 65 lb/A NH₃. WEED CONTROL: 1 1/3 pint/A Treflan as a preemergence. INSECT CONTROL: None, slight pink bollworm infestation. DISEASE CONTROL: None. DEFOLIANT: None. AREA HARVESTED FOR TEST: Four, 40' rows 925 feet in length. NOTE: This test was damaged by hail.

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LONG STAPLE VARIETY TRIAL

Denny Layton--Pima

Agricultural Extension Agent--John Sears

Variety	Pick	Turnout (%)	<u>1/</u> Lint (lb/A)	Total Lint (lb/A)	Length (UHM)	Strength (Pressley 1/8")	Micro-naire <u>2/</u>
S-4	1st	37.9	828	1056	1.38	4.66	3.83
	2nd	33.3	228		1.33	4.01	3.55
P-19	1st	36.0	657	987	1.40	4.66	4.10
	2nd	33.6	330		1.35	4.22	3.85
P-21	1st	38.9	766	1032	1.35	4.66	4.18
	2nd	34.0	267		1.40	3.92	3.45

1/ Percent turnout based upon laboratory gin results.

2/ Quality measurements made at University of Arizona Cotton Laboratory.

CROP HISTORY: ELEVATION: 2900 ft. PLANTED: 4/1/70. HARVESTED: First pick 10/29/70, second pick 11/25/70. PREVIOUS CROP: Milo. IRRIGATION: Pre-irrigated 3/1/70 with four other irrigations (every other row) the last of which was on 9/1/70. SOURCE OF WATER: River and well. FERTILIZER: Milo crop had 500 lb/A urea, 200 lb/A of 24-6-0 applied to cotton on 5/15/70. WEED CONTROL: 1 1/2 pt/A Treflan as a preplant. Hoed twice, cultivated six times. INSECT CONTROL: Sprayed four times for pink bollworm. DISEASE CONTROL: None. DEFOLIANT: None. AREA HARVESTED FOR TEST: Four-38" rows, 1218 feet in length.

LONG STAPLE VARIETY TRIAL

Dale Clonts--Safford			Agricultural Extension Agent--John Sears				
Variety	Pick	Turnout <u>1/</u> (%)	Total		Length (UHM)	Strength (Pressley 1/8")	Micro- naire <u>2/</u>
			Lint (lb/A)	Lint (lb/A)			
S-2	1st	35.5	615	808	1.24	4.42	3.63
	2nd	35.9	193		1.20	4.20	3.36
S-3	1st	33.9	579	798	1.25	4.51	3.60
	2nd	35.0	219		1.19	4.50	2.95
126	1st	32.9	618	817	1.26	4.55	3.68
	2nd	34.0	199		1.23	4.28	3.33

1/ Percent turnout based upon laboratory gin results.

2/ Quality measurements made at University of Arizona Cotton Laboratory.

LONG STAPLE TRIAL
Solid vs. Skip Row 1/

Dale Clonts--Safford			Agricultural Extension Agent--John Sears				
Variety	Pick	Turnout <u>2/</u> (%)	Total		Length (UHM)	Strength (Pressley 1/8")	Micro- naire <u>3/</u>
			Lint (lb/A)	Lint (lb/A)			
S-4 SKIP	1st	37.7	504	639	1.25	4.62	3.80
	2nd	33.2	135		1.22	4.22	3.10
S-4 SOLID	1st	37.7	519	652	1.25	4.62	3.80
	2nd	33.2	133		1.22	4.22	3.10

1/ Four 38" rows - one row skipped.

2/ Percent turnout based upon laboratory gin results.

3/ Quality measurements made at University of Arizona Cotton Laboratory.

CROP HISTORY: PLANTED: 4/5/70. HARVESTED: First pick 10/16/70, second pick 11/17/70. PREVIOUS CROP: Maize. IRRIGATION: Pre-irrigated, then beginning one month after planting, irrigated every other row every 14 days, increased to every 10 days with last irrigation being on 9/1/70. SOURCE OF WATER: Well. FERTILIZER: None. WEED CONTROL: Hand-hoed three times, cultivated five times. INSECT CONTROL: Wasps for aphid control. DEFOLIANTS: None. DISEASE CONTROL: None. AREA HARVESTED FOR TEST: Four-38" rows and four-38" rows plus a skip row 2200 feet in length.

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LONG STAPLE VARIETY TRIAL

Marvin Montierth

Agricultural Extension Agent--Carry Page

Variety	Pick	Turnout <u>1/</u> (%)	Total		Length (UHM)	Strength (Pressley 1/8")	Micro- naire <u>2/</u>
			Lint (lb/A)	Lint (lb/A)			
S-2	1st	35.3	1084	1139	1.23	4.38	4.13
	2nd	32.8	55		1.24	4.49	3.60
S-3	1st	38.6	1244	1285	1.34	4.38	3.87
	2nd	26.9	41		1.27	4.60	3.20
S-4	1st	34.9	1150	1205	1.26	4.66	4.01
	2nd	34.4	55		1.24	4.40	3.70

1/ Percent turnout based upon laboratory gin results.

2/ Quality measurements made at University of Arizona Cotton Laboratory.

CROP HISTORY: PLANTED: 4/3/70. HARVESTED: First pick 11/5/70, second pick 12/1/70. PREVIOUS CROP: Cotton and Maize. IRRIGATION: Pre-irrigation 3/15/70 with ten other irrigations the last of which was on 9/24/70. SOURCE OF WATER: Well. FERTILIZER: 200 lb/A 21-0-0 on 3/1/70 (Broadcast), 250 lb/A 11-48-0 on 5/1/70 (Sidedress), 40 lb/A in water 82-0-0 on 6/3/70, 100 lb/A in water 20-0-0-42 on 6/10/70, 20 lb/A in water 82-0-0 on 7/13/70. WEED CONTROL: Three cultivations 5/1, 6/5, 6/25, 3 pt. Treflan (Broadcast & disc) on 3/1/70, 4 qts/100 gal + 1 qt. spreader of Ansar for Johnsongrass control on 5/1/70. Hand-hoed on 5/12/70 and 7/7/70. INSECT CONTROL: 5 lbs. Thimet under seed on 4/3/70. DISEASE CONTROL: None. DEFOLIANT: None. AREA HARVESTED FOR TEST: Four-40" rows, 1237 feet in length.

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