

2-1 SKIP ROW VARIETY TRIAL

Bill Hilburn - Bowie		Agricultural Agent - Carmy Page	
Variety	lbs/A Seed Cotton	% Turnout <u>1/</u>	lbs. Lint/A
Stripper harvested			
Rilcot 90	3699	29.4	1088
Rilcot Stripper N	3881	29.8	1157
AZ 6401	3908	29.4	1149
Dunn 56C	3986	26.2	1044
Lockett BXL	4038	28.1	1135
Dunn 118	3986	24.7	985
Lockett 4789A	4012	28.1	1127
Paymaster 101A	3803	31.0	1179
Coker 310	4481	30.2	1353
Coker 4104	4585	30.3	1389
Stoneville 213	4637	29.2	1354
DPL-16	4585	30.4	1394
Spindle Picked			
Coker 310	3126	34.7	1085
Coker 4104	3230	34.6	1118
DPL-16	3152	34.2	1078

1/ Percent turnout based on laboratory gin results.

CROP HISTORY: PLANTING DATE: 5/20/71. ROW SPACING: 2 rows - skip 1, 38-inch beds. PLANTING RATE: 20-25 lbs/Acre. PREVIOUS CROP: fallow. CROP ROTATION: Milo, cotton, fallow, cotton. FERTILIZER APPLICATION: 150 lbs. urea preplant (5/2/71) 200 lbs. urea sidedress (7/10/71) Phosphorus 5/28/71. IRRIGATION: every 10 to 14 days. HERBICIDE: 1 1/2 pint Treflan broadcasted and disced - in preplant. INSECTICIDE: none. DEFOLIATION: none. HARVESTED: 1/10/72. INITIAL SOIL PHOSPHORUS LEVEL: 7.5 ppm. SOIL CLASS: sandy loam.

* * * * *

SHORT STAPLE VARIETY TRIAL

Dale Clonts - Safford			Agent in charge - J.L. Sears				
Variety	1st Pick Seed cotton/A	% Turn- out <u>1/</u>	lbs. Lint/A	2nd Pick Seed cotton/A	% Turn- out	lbs. Lint/A	Total Yield
Stoneville-213	2213	36.1	799	600	34.3	206	1005
AZ 6401	1973	37.1	732	668	36.3	242	974
1517-70	1880	33.9	637	544	34.7	189	826
1517-D	2315	33.7	780	521	33.6	175	955
DPL-16	2213	38.9	861	510	36.1	184	1045
Lockett	1835	35.5	651	405	34.1	138	790
Hopi	2270	36.0	817	510	36.2	185	1002

1/ Percent turnout based on laboratory gin results.

CROP HISTORY: Cotton 1970, PLOT SIZE: 12 rows/A 8 row plots 2 reps. HERBICIDES: spot spray for Johnsongrass with DSMA. INSECTICIDE: none. FERTILIZER: Applied liquid fertilizer in water 6/15/71 at 16 lbs. N and 54 lbs. P205 per acre. IRRIGATION: preplant irrigation plus 6 additional, last application 9/1/71. DEFOLIATION: none. HARVEST: 1st pick 10/8/71, 2nd pick 11/22/71.

SHORT STAPLE VARIETY TRIAL

Bob Calvin - Thatcher

Agent in Charge - J.L. Sears

Variety	lbs. Seed Cotton/A	% Turnout <u>1/</u>	lbs. lint/A
Coker 310	1804	31.1	561
1517-D	2076	36.0	747
Coker 4041	2119	33.7	714
Stoneville 213	2076	35.7	741
Hopi	1704	36.8	627
DPL-16	2191	36.1	791
AZ 6401	1833	38.7	709
Lockett BXL	1432	35.5	508

1/ Percent turnout based upon laboratory gin results.

CROP HISTORY: PLOT SIZE: 2 rows x 1200 ft. 38" beds 2 reps. PLANTED: 4/8/71 at 16 #/A seeding rate. HERBICIDE: 1 pt. treflan/A preplant disc incorporated, and 2 lbs. caporal/A after planting harrowed in. INSECTICIDES: 2 applications of tox-parathion, and 2 applications of gluthion. FERTILIZER: none. IRRIGATION: 10 irrigations 8/25/71 last. DEFOLIATION: DEF 10/22/71. HARVEST: single pick 11/22/71. PREVIOUS CROP: cotton 1970.

* * * * *

SHORT STAPLE VARIETY TRIAL

Lee Hunt - Thatcher

Agent in Charge - J.L. Sears

Variety	1st Pick		lbs. Lint/A	lbs. Seed Cotton/A	%	lbs. Lint/A	Total Yield lbs/A
	lbs. seed cotton /A	% Turnout <u>1/</u>					
DPL-16	3450.8	35.1	1211	966	37.5	363	1574
AZ 6401	2993.9	37.0	1108	520	37.6	195	1303

1/ Percent turnout based upon laboratory gin results

CROP HISTORY: Cotton 1970. No fertilizer double crop 1969 barley and maize. Used 300 lb/A 16-20-0 and 60 lb/A NH₃ on barley, 90 lb/A actual N as urea on maize. PLOT SIZE: 4 rows x 609 ft. 40" beds 3 reps. PLANTED: 4/16/71, seeding rate of 25 lb/A. pre-irrigated and planted in a mulch. HERBICIDES: preplant treflan 1 1/3 pt/A on flat and disked in layby 2 lb/A caparol 8/1/71. FERTILIZER: none applied. INSECT CONTROL: none. IRRIGATION: 1st irrigation 6/1/71, 4 additional irrigations every other row, last irrigation 8/15/71. DEFOLIATION: none. HARVEST DATE: 1st pick 9/29/71, 2nd pick 12/23/71.