

A secondary objective of the test was to again demonstrate that satisfactory yields can be obtained with relatively low inputs. Irrigation was terminated on August 25 which permitted early harvest in a year which was considerably late in development and maturity.

The top yield of 2-1/2 bales (DPL 61) certainly is well above the average yield for the area in which it was grown. The out-of-pocket costs of production were well below the average cost of production for the same producing area.

FRUITING PATTERN PERCENT BLOOM SET AND YIELD OF 4 VARIETIES

B.B. Taylor, S. Stedman, E. Gilbert and D. Richardson

Cotton varieties were planted in single rows. Blooms were tagged each day in 6.55 foot plots from July 2 through August 27, 1973. Treatments were replicated four times.

In the fall after the bolls opened they were hand picked, separated according to date on tag, counted and weighed. Values in the table represents the number of blooms produced each week and the percent blooms that set and developed into bolls. The table also includes pounds of lint per acre derived from blooms tagged within the time period indicated.

NUMBER OF FLOWERS PER PLOT THAT BLOOMED EACH WEEK DURING THE GROWING SEASON

Variety	Before	July	July	July	July	July	July	July	August	August	August	August	TOTAL
	July 2	2-8	9-15	16-22	23-29	30	to	5	6-12	13-19	20-26	27	
DPL 16	8	23	12	25	40	69			59	34	15	0	285
ST 213	6	17	13	28	39	71			57	49	8	1	289
DPL 66	5	19	8	21	43	86			69	45	33	3	332
DPL 61	4	17	7	21	48	71			69	48	27	1	313
Percent blooms per plot that developed into bolls													
DPL 16	3	16	61	44	56	44			43	32	34	0	
ST 213	0	4	46	52	58	53			47	24	56	0	
DPL 66	6	14	52	64	68	57			43	63	33	18	
DPL 61	0	19	46	36	53	56			44	51	39	33	
Yield each week of lint in pounds per acre													
DPL 16		53	83	119	287	277			158	116	93		1186
ST 213		8	45	111	191	327			273	85	62		1102
DPL 66		15	30	95	223	360			202	178	93		1103
DPL 61		38	30	56	239	335			281	194	170		1343

Single Row
 CROP HISTORY: PREVIOUS CROP: 72 cotton. PLOT SIZE: 4 rows x 558 ft. 38" beds 4 reps. PLANTED: April 7 in moisture and capped at 11 lb/A. IRRIGATION: preirrigation and 6 additional irrigations with cutoff September 13. HERBICIDE: 3/4 lb/A treflan + 1.3 lb/A Karmex in a 16 gal/A tank mix over the bed and incorporated with power mulcher. INSECT CONTROL: Cygon 1 1/8 pt/A on safflower. DEFOLIATION: Sodium Chlorate. HARVEST DATE: 1st pick October 26, 2nd pick December 3. Spindle.