

## PIMA COTTON SKIP-ROW TEST

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A skip-row test involving Pima cotton varieties S-3 and S-4 was conducted at Marana in 1969. The skip-row treatments and yields are shown in Table 1. Lint yields are shown first on a cropped area basis; that is, skip rows are not counted in cropped area. Then yields are reported on the total area basis. Results were similar to 1968, except yield of S-3 was much lower than S-4. In both years S-3 gave higher yield response to skip row than did S-4.

Table 1. Lint yield of Pima cotton grown in skip-row patterns at Marana, Arizona, 1969.

Treatment				Lint yield on crop area basis				Lint yield on total-area basis		
Number of rows		Row pair	Variety	Lbs/A.		% of no-skip yield		Lbs/A.	% of no-skip yield	
Yield rows	Rows skipped			by rows	by field	1969	68-69 mean		1969	68-69 mean
1	1		S-3	844 bc <sup>1/</sup>	844 de	160	162	422 e	80	81
1	1		S-4	1228 a	1228 ab	132	139	614 bcd	66	70
2	1		S-3	665 cde	665 f	126	134	443 de	84	90
2	1		S-4	1004 b	1004 cd	108	117	669 bc	72	78
2	2		S-3	700 cde	700 ef	133	138	350 e	67	69
2	2		S-4	1296 a	1296 a	140	129	648 bc	70	65
4	2	1,4 2,3	S-3	678 cde 479 f	578 f	110	117	385 e	73	78
4	2	1,4 2,3	S-4	1225 a 909 b	1067 bc	115	115	711 bc	77	77
6	2	1,6 2,5 3,4	S-3	721 cd 543 def 526 ef	597 f	113	114	448 de	85	86
6	2	1,6 2,5 3,4	S-4	1297 a 964 b 929 b	1063 bc	114	114	797 ab	86	86
No-skip S-3 (from rows 3 & 4 of 6 & 2)				526		100		526 cde		
No-skip S-4 (from rows 3 & 4 of 6 & 2)				929		100		929 a		
Mean				876						
C.V. (%)				11.6%						

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<sup>1/</sup> Lint yields within a group of means are not significantly different at the .05 level if followed by the same letter.