

MAN-EQUIVALENT WORKERS PER COTTON FARM

The data in table 25 provides a more specific picture of the characteristics and size of the labor resource on cotton farms. These data indicate the average size of the labor force on cotton farms in each economic class for each region, in terms of estimated man-equivalents. A percentage distribution of this labor force in terms of operators, family workers, and hired workers is also given.

The size of the total labor force on cotton farms of various economic classes varies by region. Generally, regions in which mechanization of cotton production has progressed the most show significantly smaller total labor resources per farm than the other regions. Among regions of the humid climatic belt, for example, mechanization is more advanced in Regions IV and VI than in Regions I, II, III, and V. In Regions I, II, III, and V, Class I farms have an average labor force of 10 man-equivalents, while

in Regions IV and VI the labor resource on Class I farms is smaller, about 30 and 50 percent, respectively. Similar differences, though not as great, exist among other economic classes of farms in these two groups of regions.

Cotton production in Regions IX and X is also highly mechanized. Region IX has one of the smallest inputs of the labor resource per farm for each economic class of any region. This is particularly striking in the instance of Class I farms.

The labor resources per farm on Class I farms in Region X may not seem to indicate a high degree of mechanization, since the man-equivalents used here are almost twice those indicated for Class I farms in Region IX. Average sales of Class I farms in Region X, however, are more than twice as high as sales for the same class farms in Region IX (see table 31).

The percentage of the labor force which is comprised of operator workers, family workers, and hired workers on different economic classes of cotton farms is of particular interest (see table 25).

TABLE 25.—TOTAL MAN-EQUIVALENT PER ALL COMMERCIAL FARMS AND PER COTTON FARM, AND PERCENT DISTRIBUTION IN EACH ECONOMIC CLASS OF COTTON FARM, BY TYPE OF WORKER, BY REGIONS: 1954

Region and item	All commercial farms	Cotton farms by economic class of farm						
		All classes	I	II	III	IV	V	VI
REGION I								
Total man-equivalent.....	number.. 1.6	1.6	9.4	3.4	2.3	1.7	1.4	1.2
Operator.....	percent.. 53.6	54.5	8.4	24.1	39.7	51.7	60.3	70.0
Family workers.....	percent.. 24.0	30.4	1.5	6.9	30.6	36.1	33.3	27.5
Hired labor.....	percent.. 22.4	15.1	90.1	69.0	29.7	12.2	6.4	2.5
REGION II								
Total man-equivalent.....	number.. 1.3	1.2	10.0	3.1	2.0	1.5	1.3	1.1
Operator.....	percent.. 60.1	65.5	7.8	27.2	40.1	54.0	63.3	75.1
Family workers.....	percent.. 25.0	27.8	2.6	4.8	25.0	34.6	31.6	23.0
Hired labor.....	percent.. 14.9	6.7	89.6	68.0	34.9	11.4	5.1	1.9
REGION III								
Total man-equivalent.....	number.. 1.5	1.5	9.9	3.2	2.2	1.8	1.4	1.2
Operator.....	percent.. 56.4	56.9	8.5	26.6	39.2	48.5	58.5	70.9
Family workers.....	percent.. 31.4	34.7	1.5	13.0	37.2	42.7	37.5	27.3
Hired labor.....	percent.. 12.2	8.4	90.0	60.4	23.6	8.8	4.0	1.8
REGION IV								
Total man-equivalent.....	number.. 1.8	1.8	7.7	2.7	2.0	1.8	1.5	1.3
Operator.....	percent.. 48.6	48.8	11.7	33.4	43.7	49.7	58.5	70.1
Family workers.....	percent.. 30.9	33.0	1.8	12.4	35.6	43.2	38.4	28.6
Hired labor.....	percent.. 20.5	18.2	86.5	54.2	20.7	7.1	3.1	1.3
REGION V								
Total man-equivalent.....	number.. 1.3	1.5	10.8	3.1	2.1	1.7	1.4	1.2
Operator.....	percent.. 59.0	54.9	8.3	27.8	42.0	52.0	58.8	70.7
Family workers.....	percent.. 21.7	27.8	1.5	8.6	25.5	33.2	35.1	27.5
Hired labor.....	percent.. 19.3	17.3	90.2	63.6	32.5	14.8	6.1	1.8
REGION VI								
Total man-equivalent.....	number.. 1.7	1.7	4.6	2.2	1.9	1.6	1.3	1.2
Operator.....	percent.. 48.9	51.6	19.8	40.4	47.0	55.8	60.2	69.9
Family workers.....	percent.. 17.8	25.1	6.9	12.8	24.0	29.6	32.9	27.3
Hired labor.....	percent.. 33.3	23.3	73.3	46.8	29.0	14.6	6.9	2.8
REGION VII								
Total man-equivalent.....	number.. 1.6	1.8	8.1	2.8	1.9	1.4	1.2	1.2
Operator.....	percent.. 48.4	46.7	10.9	30.7	46.4	56.3	61.9	70.8
Family workers.....	percent.. 16.7	16.8	2.1	7.9	15.1	21.9	26.4	24.8
Hired labor.....	percent.. 34.9	36.5	87.0	61.4	38.5	21.8	11.7	4.4
REGION VIII								
Total man-equivalent.....	number.. 3.3	3.4	9.4	3.2	2.1	1.4	1.1	1.2
Operator.....	percent.. 23.6	23.7	9.3	26.7	39.5	48.5	56.9	68.1
Family workers.....	percent.. 5.4	5.5	1.6	4.6	8.3	14.7	21.9	23.7
Hired labor.....	percent.. 71.0	70.8	89.1	68.7	52.2	36.8	21.2	8.2
REGION IX								
Total man-equivalent.....	number.. 1.7	2.7	4.7	2.4	1.6	1.2	1.0	1.1
Operator.....	percent.. 48.0	31.9	20.2	37.8	48.6	60.3	67.2	68.9
Family workers.....	percent.. 16.8	6.8	3.4	7.8	12.7	15.9	21.7	33.6
Hired labor.....	percent.. 36.2	61.3	76.4	54.4	38.7	23.8	11.1	2.5
REGION X								
Total man-equivalent.....	number.. 2.8	4.1	8.3	2.0	1.4	1.1	0.9	1.0
Operator.....	percent.. 26.3	18.9	10.6	40.4	50.4	51.5	56.2	70.0
Family workers.....	percent.. 8.8	5.0	1.9	9.8	16.2	25.7	31.8	26.2
Hired labor.....	percent.. 64.9	76.1	87.5	49.8	33.4	22.8	12.0	3.8
TOTAL, 10 REGIONS								
Total man-equivalent.....	number.. 1.7	1.7	7.3	2.7	2.0	1.7	1.4	1.2
Operator.....	percent.. 49.8	49.9	12.3	32.9	43.4	50.8	59.4	71.2
Family workers.....	percent.. 23.4	27.8	2.2	9.4	28.1	38.3	35.9	26.9
Hired labor.....	percent.. 26.8	22.3	85.5	67.7	28.5	10.9	4.7	1.9