

1965 Supplement to Agricultural Economic Report No. 99

1965 SUPPLEMENT TO

**costs of producing  
UPLAND COTTON  
in the United States,  
1964**

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## PREFACE

A survey was made in 1966 to measure the cost of producing upland cotton in the United States in 1965. This report presents the highlights of the results of the survey of costs in the major producing areas of the country. The results of the survey of costs in 1964 are reported in Costs of Producing Upland Cotton in the United States, 1964, Agricultural Economic Report 99, published by the U. S. Department of Agriculture, September 1966. This report was an integral part of the U. S. Department of Agriculture's accelerated research program on reducing costs of cotton production as provided for by the Congress in Public Law 88-297, the Agricultural Act of 1964.

Cost estimates for 1965 were based primarily on current survey information obtained through personal interview of 4,680 farmers, but certain cost estimates were based on results from the survey of 1964 costs. The 1964 survey questionnaire provided for comprehensive coverage of the cost items used in cotton production; the 1965 questionnaire was modified and shortened to include only the most variable production practices and costs.

Only farms planting 5 or more acres of cotton in 1965, as in 1964, were included in the sample. For this reason, in addition to the exclusion of cotton farms outside the 15 selected cotton-producing regions and to sampling error, some of the data contained in this report, such as acreages, yields, production, harvest methods, and prices received for lint, vary from official data published by the Statistical Reporting Service or other agencies of the Department of Agriculture.

Results from a survey of 1966 cotton costs are being processed. Further analysis of the data from these surveys will emphasize the major cost determinants and the differences in input composition among regions and on farms of various sizes.

The authors wish to express appreciation to many of their colleagues for assistance in developing the methodology and in obtaining and processing the necessary data. The Statistical Reporting Service conducted the enumerative survey and the Data Processing Center, SRS, provided systems analysis and contracting services in the tabulation of data. The Agricultural Stabilization and Conservation Service provided lists of producers from which the sample was drawn.

Special acknowledgment is made to Grady B. Crowe, W. H. Brown, and G. T. Barton of the Washington staff of the Farm Production Economics Division for their aid in developing the research program and reviewing the results; and to W. F. Hughes, W. W. Pawson, and C. V. Moore of the field staff of the Farm Production Economics Division for their work in developing irrigation cost estimates.

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## SUMMARY

The total cost of producing the U. S. crop of upland cotton in 1965 was 27.3 cents per pound of lint, compared with 28.4 cents per pound in 1964. This total cost figure includes market rates of return to all inputs except unpaid management. The total direct cost of producing cotton (this excludes payments to land and farm overhead items) was 20.9 cents per pound of lint. These costs are associated with an average yield of 576 pounds of lint per acre, which reflects generally favorable weather in most of the 15 regions in 1965. Yields in 1964 averaged 540 pounds per acre. About 73 percent of U. S. cotton was produced at a total cost of less than 30 cents per pound, whereas about 92 percent was produced at a direct cost of less than 30 cents per pound of lint. Survey respondents received 28.4 cents per pound of lint in 1965, compared with 29.3 cents per pound in 1964.

The 1-cent decline in cost per pound in 1965 was largely due to higher yields. In addition, a decline in labor input, especially hand harvesting, also contributed to the lower cost. Labor costs per acre harvested in 1964 totaled \$42, but dropped to \$37 per acre in 1965. Per acre costs of most other inputs increased from 1964. Power and equipment costs per acre harvested increased from \$34 in 1964 to \$37 in 1965. About 85 percent of the 1965 crop was machine harvested, compared with 76 percent of the 1964 crop.

Estimates of total cost per pound of lint ranged from 24.7 cents in the Mississippi Delta Region to 34.9 cents in the Upper Rio Grande-Trans Pecos Region of Texas and New Mexico. Total costs per pound of lint in 5 regions averaged less than 26 cents. These regions were the Mississippi Delta, Southern California and Southwest Arizona, the Coastal Prairie of Texas, the High Plains of Texas, and Rolling Plains of Texas and Oklahoma. Total costs in these 5 regions ranged from 24.7 cents to 25.3 cents per pound of lint in 1965. The first three regions listed above were among the four lowest cost regions in 1964. Both the Rolling Plains and the High Plains were high-cost areas in 1964 because of drought, but better weather in 1965 resulted in higher yields and lower unit costs.

1965 Supplement to

COSTS OF PRODUCING UPLAND COTTON IN THE UNITED STATES, 1964

By

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INTRODUCTION

This report contains the initial results of the second in a planned series of enumerative surveys of the cost of producing upland cotton in the United States. It was conducted for the primary purpose of measuring year-to-year changes in the cost of producing cotton. Thus, the previous year's questionnaire was modified and shortened to include only the most variable production practices and costs. This report is patterned after the report of 1964 costs

In 1965, the United States produced 14.9 million bales of upland cotton (500 pound gross weight), or about 200,000 bales less than in 1964, while mill consumption increased by roughly 300,000 bales. However, exports in the year beginning August 1, 1965, dropped about 1.1 million bales, contributing to a record-high carryover of about 16.6 million bales on August 1, 1966. Reduced production in 1966 (9.6 million bales) and increased disappearance in 1966-67 reduced this carryover to 12-1/2 million bales by August 1, 1967.

Essentially the same farm program provisions were continued in 1965 as in 1964, with minor modifications in price-support levels. The loan level in 1965 was 29.0 cents per pound of Middling 1-inch cotton. An additional price-support payment of 4.35 cents per pound was available for those who participated in the domestic allotment program. About 1 million acres were taken out of cotton production in 1965 under the domestic allotment program. Skip-row planting rules in 1965 were the same as in 1964, with no penalty involved for skipping less than 4 rows. Acres planted to upland cotton in the United States in 1965 totaled 14.1 million, compared with 14.7 million in 1964 and an average of 15.8 million in 1959-63. Production, however, was maintained by record-high yields in 1965.

The unfavorable cotton supply-demand relationship is of concern in the effort to increase farm income. In the 14 major cotton-producing States included in this study, cash receipts from cotton comprised about 16 percent of total cash receipts from farm marketings and 29 percent of receipts from all crops in 1965.<sup>1/</sup>

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<sup>1/</sup> U. S. Department of Agriculture. Farm Income, State Estimates, 1949-65. Supplement to the July 1966 "Farm Income Situation." Econ. Res. Serv., FIS 203. August 1966.

To date, efforts to alleviate the income problem in cotton production have included: (1) Government programs for managing production and maintaining incomes, (2) research on the potential of expanding demand for U. S. cotton, and (3) research to reduce the cost of producing cotton. This study is part of the third effort, cost reduction research, and is a systematic attempt to measure costs of producing cotton at the regional and national levels. The broad objectives of this study are to:

1. Establish a reliable benchmark of regional and national aggregates of inputs used in producing cotton.
2. Develop annual estimates of regional and national aggregate inputs and costs to facilitate analysis of trends.
3. Appraise annually the effect of changes in inputs, input prices, and yield on the cost of producing cotton.
4. Define more accurately those inputs that are closely associated with changes in cost levels. In turn, this will aid scientists in planning future cost reduction research.

An enumerative survey of about 4,680 cotton farms was conducted in 1966 to provide the basic data used in this analysis. Cost estimates were developed for 15 regions (fig. 1).<sup>2/</sup> The cost components derived in this study, with the exception of irrigation water and facilities and certain other cost items that were based on 1964 data, are averages of cost data obtained from the 4,680 sample farms. Included are all direct and indirect factors, both paid and unpaid, used in producing the 1965 cotton crop. The cost estimates are representative of the farm operating unit, which includes all farming operations and tracts of land under common management, regardless of who owned the land or allotments.

Changes in the original sampling procedure and methodology are discussed in appendix A. A detailed summary of survey results is presented in the tables of appendix B.

## SURVEY RESULTS

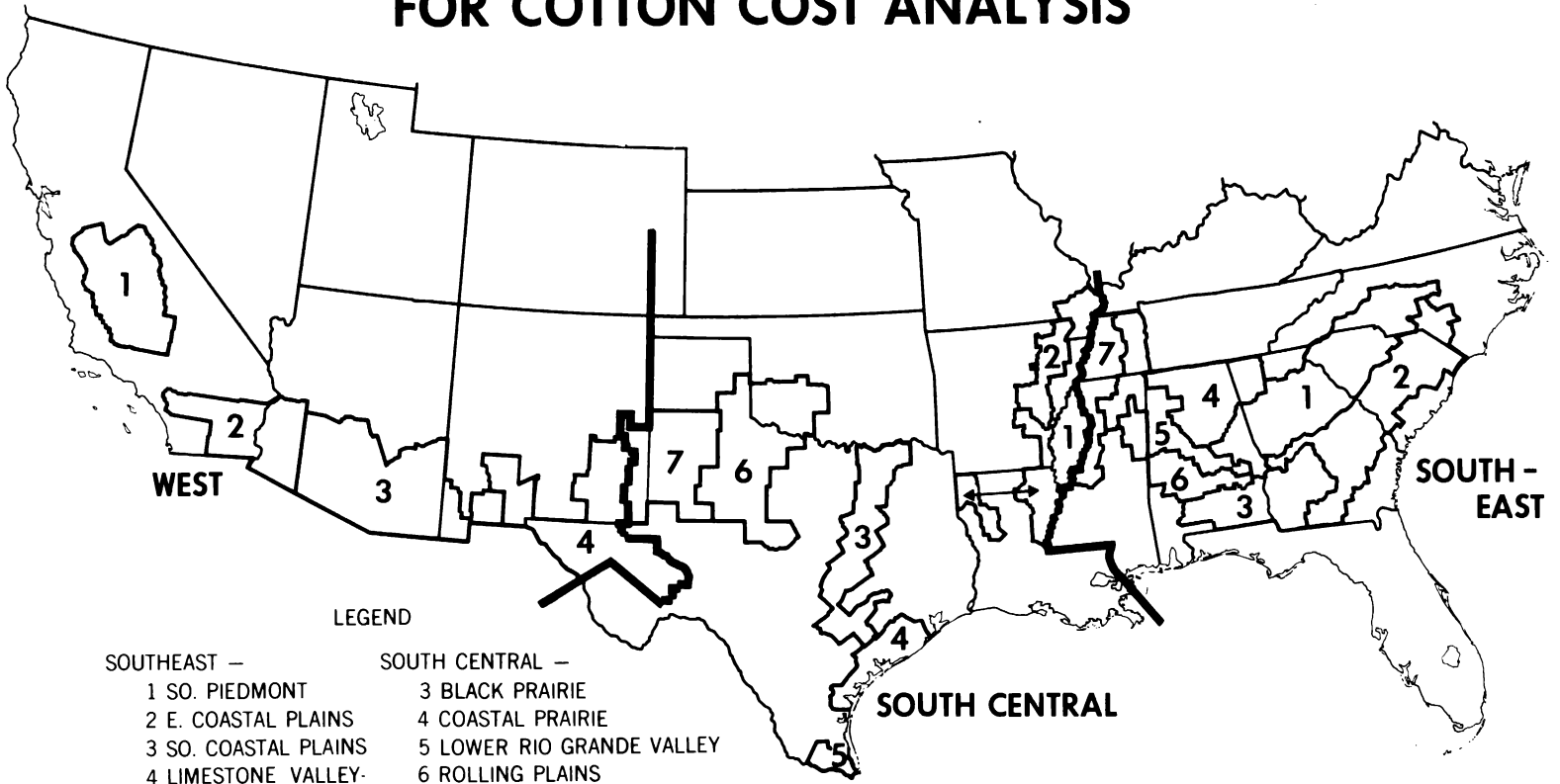
### National Highlights

The estimated average total cost of producing a pound of lint cotton in the United States in 1965 was 27.3 cents, or about 1 cent less than in 1964 (table 1). The estimate is based on market rates of return to all input items used in producing cotton, including charges for land and items of general farm overhead. Total

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<sup>2/</sup> To reduce the cost of the survey and the burden on respondents, regions SE-1, SE-5, and SE-6, (Southern Piedmont, Clay Hills, and Black Belt) were sampled as a single region and SE-2 and SE-3 (Eastern Coastal Plains and Southern Coastal Plains) were sampled as a single region. Therefore, comparable data for these individual regions are not available for the 2 years.

# COTTON PRODUCTION REGIONS FOR COTTON COST ANALYSIS



**LEGEND**

- |   |  |
|---|--|
| <p><b>SOUTHEAST —</b></p> <ul style="list-style-type: none"> <li>1 SO. PIEDMONT</li> <li>2 E. COASTAL PLAINS</li> <li>3 SO. COASTAL PLAINS</li> <li>4 LIMESTONE VALLEY-SAND MTN.</li> <li>5 CLAY HILLS</li> <li>6 BLACK BELT</li> <li>7 BROWN LOAM</li> </ul> | <p><b>SOUTH CENTRAL —</b></p> <ul style="list-style-type: none"> <li>3 BLACK PRAIRIE</li> <li>4 COASTAL PRAIRIE</li> <li>5 LOWER RIO GRANDE VALLEY</li> <li>6 ROLLING PLAINS</li> <li>7 HIGH PLAINS</li> </ul> |
| <p><b>SOUTH CENTRAL —</b></p> <ul style="list-style-type: none"> <li>1 MISSISSIPPI DELTA</li> <li>2 N. E. ARKANSAS</li> </ul>   | <p><b>WEST —</b></p> <ul style="list-style-type: none"> <li>1 SAN JOAQUIN VALLEY</li> <li>2 SO. CALIFORNIA AND S.W. ARIZONA</li> <li>3 SO. ARIZONA</li> <li>4 UPPER RIO GRANDE-TRANS PECOS</li> </ul>          |

3

Figure 1

Table 1.--Upland cotton production: Costs per bale,  
United States, 1964 and 1965

Item	Average cost per bale		Percentage of total cost <u>1/</u>	
	1964	1965	1964	1965
	<u>Dollars</u>		<u>Percent</u>	
Labor-----	37.67	31.06	23.5	20.0
Power and equipment-----	30.25	31.23	18.8	20.1
Materials:				
Seed-----	2.90	2.73	1.8	1.8
Fertilizer-----	10.18	9.83	6.3	6.3
Herbicides-----	1.41	2.12	.9	1.4
Insecticides and fungicides-----	5.07	5.17	3.2	3.3
Defoliants-----	.89	.85	.5	.5
Other chemicals-----	.27	.32	.2	.2
Total materials-----	20.72	21.03	12.9	13.5
Ginning, bagging, and ties-----	17.01	18.03	10.6	11.6
Custom services-----	6.89	8.53	4.3	5.5
Irrigation-----	7.45	7.33	4.6	4.7
Interest on operating capital-----	2.21	2.17	1.4	1.4
Total direct costs <u>2/</u> -----	122.20	119.38	76.1	76.7
Land-----	21.76	21.49	13.5	13.8
General overhead-----	16.66	14.71	10.4	9.5
Total cost per bale of lint and associated seed-----	160.62	155.58	100.0	100.0
Less value of seed produced-----	-18.42	-19.13	---	---
Cost per bale of lint <u>3/</u> -----	142.20	136.45	---	---
Total cost per pound of lint-----	.284	.273	---	---
Direct cost per pound of lint-----	.216	.209	---	---
Receipts per pound of lint <u>4/</u> -----	.293	.284	---	---

1/ Totals do not necessarily add because of rounding.

2/ Includes all cost items other than land and general overhead.

3/ Total cost of producing a bale of lint and associated seed minus the value of associated seed.

4/ Includes domestic allotment participation payments when applicable.



direct costs, or all cost items other than land and general overhead, averaged 20.9 cents per pound. Direct costs are chiefly those expenditures which producers must make annually. These estimates were derived by subtracting the value of seed produced from the total cost of producing lint and associated seed, under the assumption that the cost of producing seed, a byproduct, is equal to its value.

The above cost was associated with an average yield of 576 pounds of lint per acre as based on survey results in the 15 major regions. Weather was favorable for cotton production in most areas of the Cotton Belt in 1965, and yields generally equaled or exceeded record-high 1964 levels. Yields in northwest Texas and Oklahoma were near record levels in 1965 after a poor 1964 crop due to drought.

An average of 28.4 cents per pound of lint was received by farmers in the survey. This estimate includes the price-support payment of 4.35 cents per pound for those who participated in the domestic allotment program in 1965. It also reflects the respondent's best estimate of the expected price to be received for cotton in storage or not sold at time of enumeration.

Table 2, which shows the cumulative percentage of cotton produced below specified cost levels for two major groups of cost items, indicates that about 92 percent of total cotton produced in the United States in 1965 was produced at a direct cost of less than 30 cents per pound of lint. When all costs, both direct and imputed, are included, about 73 percent of the total U. S. production was produced at a total cost of less than 30 cents per pound, compared with 64 percent in 1964.

Many farmers are producing cotton at costs that differ greatly from those indicated in table 1. About 14 percent of U. S. cotton was produced at a direct cost of less than 15 cents per pound of lint, while about 5 percent was produced at a direct cost of 33 cents or more. When land and overhead costs are included, our measurements show that 20 percent of total production was produced at a total cost of less than 21 cents per pound of lint, while 19 percent was produced at a total cost of 33 or more cents per pound.

Part of the 1-cent decline in cost per pound from 1964 was due to higher yields in 1965. In addition, a decline in labor input, especially hand harvesting, contributed to the lower cost. Labor costs per acre in 1964 totaled \$42, and dropped to \$37 per acre in 1965 (table 8). The substitution of inputs such as mechanical harvesting and chemical weed control for labor has reduced labor costs but has increased power and equipment costs. Power and equipment costs per acre harvested increased from \$34 in 1964 to \$37 in 1965. About 85 percent of the 1965 crop was machine harvested, compared with 76 percent of the 1964 crop. Most other input items showed an increase in per acre cost.

The use of herbicides increased markedly in 1965. The cost of herbicide materials averaged \$2.55 per acre in 1965, an increase of 60 percent over the cost in 1964. An estimated 39 percent of the 1965 planted acreage was covered with pre-emergence herbicides. Post-emergence applications were made on about 18 percent of the acreage. Labor costs for chopping and hoeing remained at about the 1964 level, but are expected to decline significantly as chemicals gain wider use.

Table 2.--Cumulative percentage of upland cotton produced below specified cost levels, United States, 1964 and 1965

Cost per pound of lint	Direct costs only <u>1/</u>		Total costs <u>2/</u>	
	1964	1965	1964	1965
	<u>Percent</u>		<u>Percent</u>	
Less than 15 cents-----	19.3	14.1	0.4	2.1
Less than 18 cents-----	39.3	35.8	10.3	7.6
Less than 21 cents-----	57.8	58.5	20.2	20.4
Less than 24 cents-----	70.9	76.7	36.0	38.4
Less than 27 cents-----	81.2	86.6	51.6	58.6
Less than 30 cents-----	87.8	92.2	64.1	72.6
Less than 33 cents-----	91.5	95.4	74.6	81.4
Less than 36 cents-----	93.1	97.3	81.9	88.2
Less than 39 cents-----	94.4	98.2	87.3	92.5
All levels of cost-----	100.0	100.0	100.0	100.0

1/ Includes the cost of labor, power and equipment, all materials (seed, fertilizer, herbicides, insecticides, defoliant and other chemicals), ginning, custom services, irrigation, and interest on operating capital.

2/ Includes direct costs, land changes, and the annual costs of overhead items of real estate and social security taxes; insurance expenses; administrative costs; and maintenance of drainage ditches, fences, terraces, etc.

Fertilizer costs averaged \$11.79 per acre in 1965, or about 3 percent higher than the 1964 level. However, 11 percent more nitrogen per acre was applied than was applied in 1964. Nitrogen applications in 1965 averaged 72 pounds per acre planted, compared with 65 pounds in 1964. About 82 percent of the 1965 cotton acreage received commercial fertilizer applications.

### Regional Highlights

Costs per unit of production varied widely among regions in 1965 (table 3). Total costs varied from an average of 24.7 cents per pound of lint in the Mississippi Delta Region to 34.9 cents in the Upper Rio Grande-Trans Pecos Region. Total costs per pound of lint in five regions were less than 26 cents. These regions were the Mississippi Delta, Southern California and Southwest Arizona, the Coastal Prairie of Texas, the High Plains of Texas, and the Rolling Plains of Texas and Oklahoma. Total costs in these five regions ranged from 24.7 cents to 25.3 cents per pound of lint. Over 94 percent of the cotton crop in these regions was produced at a direct cost of less than 30 cents per pound of lint, and 80 percent or more of the crop in each region was produced at a total cost of less than 30 cents per pound (table 7). The first three regions listed above were among the four lowest cost regions in 1964. Both the Rolling Plains and the High Plains were high-cost areas in 1964 because of drought and resulting low yields. In 1965, however, weather improved and yields were higher, resulting in lower than average costs.

Total costs in seven of the 10 other regions averaged less than 30 cents per pound of lint. Costs in some regions changed markedly between 1964 and 1965 as a result of yield changes. Costs per pound of lint in the Lower Rio Grande Valley, the Rolling Plains, and the High Plains dipped sharply because of higher yields. As in 1964, some Southeast regions produced at cost levels close to the national average and at least comparable with those of some South Central and Western regions. Average unit costs in the Limestone Valley-Sand Mountain and Brown Loam Regions, for example, were comparable to those in the San Joaquin Valley of California, Southern Arizona, and the Lower Rio Grande Valley.

Interregional comparisons of unit costs should take into account the extremely varied resources and composition of inputs in U. S. cotton production. Similarly, account should be taken of the differences among regions in the quality of cotton produced and the corresponding price differences. For example, the total cost of producing cotton in the San Joaquin Valley of California in 1965 was about 29.6 cents per pound, compared with a much lower cost of 25.1 cents per pound in the High Plains of Texas. Average receipts per pound of lint, however, were considerably higher in the San Joaquin Valley, averaging 32.4 cents per pound, compared with 25.2 cents per pound in the High Plains. Receipts per pound in the Black Prairie, the Rolling Plains, and the High Plains, were, on the average, consistently lower than those of other regions in both 1964 and 1965.

The national average cost per acre harvested rose slightly from \$181 in 1964 to \$187 in 1965 (table 4). Per acre average costs rose in 12 of the 15 regions. The lowest cost per harvested acre again occurred in the Black Prairie of Texas, followed by the Rolling Plains of Texas and Oklahoma. The most intensive cotton production practices, as measured by production costs per acre, were found in Southern California and Southwest Arizona, followed by the San Joaquin Valley and Southern Arizona.

Table 3.--Upland cotton production: Average costs and receipts per pound of lint, 15 regions, 1964 and 1965

Region <u>1</u> /	:Direct costs :		: Total cost :		: Receipts :	
	: per pound :		: per pound :		: per pound <u>2</u> / :	
	: 1964 :	: 1965 :	: 1964 :	: 1965 :	: 1964 :	: 1965 :
	: Cents :	: Cents :	: Cents :	: Cents :	: Cents :	: Cents :
SE-1,5,6: Southern Piedmont, Clay Hills, Black Belt-----	:23.5	: 24.3	: 30.0	: 31.1	: 29.9	: 29.6
SE-2,3: Coastal Plains-----	:25.9	: 25.8	: 31.3	: 31.3	: 28.7	: 28.8
SE-4: Limestone Valley-Sand Mountain-----	:22.0	: 20.9	: 28.8	: 27.3	: 29.5	: 28.5
SE-7: Brown Loam-----	:18.9	: 20.6	: 25.4	: 27.7	: 29.9	: 29.2
SC-1: Mississippi Delta--	:17.9	: 19.3	: 23.4	: 24.7	: 29.4	: 28.5
SC-2: Northeast Arkansas--	:21.6	: 22.6	: 28.7	: 29.9	: 29.5	: 28.5
SC-3: Black Prairie-----	:21.4	: 19.6	: 29.6	: 26.3	: 25.9	: 26.1
SC-4: Coastal Prairie-----	:17.0	: 18.5	: 24.6	: 25.3	: 28.5	: 27.9
SC-5: Lower Rio Grande Valley-----	:25.1	: 22.6	: 33.5	: 29.0	: 30.6	: 28.6
SC-6: Rolling Plains-----	:23.8	: 18.0	: 32.9	: 24.9	: 26.1	: 26.2
SC-7: High Plains-----	:22.4	: 18.6	: 30.3	: 25.1	: 26.5	: 25.2
W-1: San Joaquin Valley--	:23.1	: 22.7	: 31.0	: 29.6	: 34.3	: 32.4
W-2: Southern California: and Southwest Arizona-----	:18.9	: 19.7	: 24.3	: 25.3	: 29.0	: 27.0
W-3: Southern Arizona---	:25.5	: 22.5	: 31.9	: 28.7	: 28.7	: 28.3
W-4: Upper Rio Grande-Trans Pecos-----	:29.5	: 27.5	: 38.1	: 34.9	: 32.2	: 32.6
United States-----	:21.6	: 20.9	: 28.4	: 27.3	: 29.3	: 28.4

1/ See figure 1, page 3, for names and locations of regions.

2/ Includes domestic allotment participation payments when applicable.

Table 4.--Upland cotton production: Average yields and costs per acre harvested, and cost per pound of lint, 15 regions, 1965

Region	Yield per acre harvested	Costs per acre harvested				Total cost per pound of lint <sup>1/</sup>
		Direct	Overhead	Land	Total	
	Pounds	Dollars	Dollars	Dollars	Dollars	Cents
SE-1,5,6: Southern Piedmont, Clay Hills, Black Belt-----	521	146.86	25.32	15.58	187.76	31.1
SE-2,3: Coastal Plains-----	502	149.78	19.28	12.69	181.75	31.3
SE-4: Limestone Valley-Sand Mountain-----	598	145.25	22.28	22.48	190.01	27.3
SE-7: Brown Loam-----	672	163.12	29.26	26.42	218.80	27.7
SC-1: Mississippi Delta-----	716	166.74	18.11	29.02	213.87	24.7
SC-2: Northeast Arkansas-----	559	147.99	16.31	31.62	195.92	29.9
SC-3: Black Prairie-----	229	53.22	6.33	11.95	71.50	26.3
SC-4: Coastal Prairie-----	409	90.04	9.37	23.70	123.11	25.3
SC-5: Lower Rio Grande Valley-----	539	143.19	11.81	28.64	183.64	29.0
SC-6: Rolling Plains-----	325	70.56	9.91	17.22	97.69	24.9
SC-7: High Plains-----	515	117.06	12.94	27.48	157.48	25.1
W-1: San Joaquin Valley-----	1,116	296.91	34.87	56.28	388.06	29.6
W-2: Southern California and Southwest Arizona-----	1,600	377.77	40.26	68.77	486.80	25.3
W-3: Southern Arizona-----	1,094	291.57	29.34	50.35	371.26	28.7
W-4: Upper Rio Grande-Trans Pecos--	753	241.77	29.78	35.13	306.68	34.9
United States-----	576	143.27	17.65	25.79	186.71	27.3

<sup>1/</sup> Obtained by subtracting the value of seed from the total costs of producing lint and associated seed, and dividing by yield plus an allowance for the weight of bagging and ties.

Substantial changes occurred in some production practices. For example, over 50 percent of the 1964 crop in the Southeast regions, collectively, was harvested by hand in 1964. In 1965, this proportion had dropped to 36 percent. About 15 percent of the total U. S. crop was hand harvested in 1965. Labor costs per acre harvested diminished substantially in those Southeast regions in which mechanical harvesting further displaced hand requirements. The added power and equipment costs associated with mechanization offset some, but not all, of the reduction in labor cost. In the Limestone Valley-Sand Mountain Region, for example, total labor cost per acre harvested dropped nearly \$15, compared with an increase in power and equipment costs of \$3 per acre (table 8).

## APPENDIX A

### Sampling

The sampling procedure for 1965 was essentially the same as that used in 1964, with two modifications. For sampling purposes, the Southern Piedmont, Clay Hills, and Black Belt Regions were combined. The Eastern Coastal Plains and Southern Coastal Plains were also combined. These combinations resulted in a total of 15 regions. The same sample counties used in 1964, however, were again involved. The sample was designed to yield 4,200 respondents, 1,200 less than in 1964. As in 1964, the sample was allocated equally among three farm size groups.

A major modification of the sample design involved the selection of sample farms. For purposes of efficient measurement of changes in costs over time, the sample was divided into two equal parts. One part consisted of a subsample of respondents in the 1964 survey and the other consisted of cotton producers drawn from a new list provided by the Agricultural Stabilization and Conservation Service. The retention of "identical" farms from the previous year will be a continuing feature of these surveys.

### Accounting Methods

The cost items included in this analysis are outlined in the 1964 report. Several accounting procedures were changed, however, because of modifications in the questionnaire.

The data from the comprehensive survey of 1964 costs provided the first benchmark of regional and national costs and inputs. The 1965 questionnaire was modified and shortened to include only the most variable production practices and the costs associated with those practices. Included in the 1965 questionnaire were two preharvest field operations--chopping and hoeing, and irrigation; all material inputs--seed, fertilizer, insecticides, herbicides, defoliants, etc.; hired labor wage rates; harvest practices; land tenure agreements and cropland organization; and farm sales data. The cost items which were not surveyed for 1965 included (1) preharvest field operations other than chopping, hoeing, and irrigation, (2) all power and equipment, and (3) general farm overhead such as property taxes, insurance, telephone, electricity, and repair of buildings and fences. To derive a total cost of producing cotton in 1965, the costs associated with the inputs not included in the 1965 questionnaire were based on 1964 results. Irrigation costs for 1965, as in 1964, were estimated from revised budgets prepared by the U. S. Department of Agriculture's field personnel in Texas, Arizona, and California.

## APPENDIX B

### Guide to Tables

The following tables are keyed to the 1964 report. Tables 5, 6, 12, 15, and 16 of that report are omitted.

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Table 7.--Cumulative percentage of upland cotton produced below specified cost levels,  
15 regions, United States, 1965

Cost per pound of lint	Region SE-1,5,6			Region SE-2,3		
	Direct costs only <u>1/</u>	Direct and overhead costs <u>2/</u>	Direct, overhead and land costs <u>3/</u>	Direct costs only <u>1/</u>	Direct and overhead costs <u>2/</u>	Direct, overhead, and land costs <u>3/</u>
	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Less than 15 cents--:	8.9	1.2	0.9	4.0	0.7	0.4
Less than 18 cents--:	20.2	11.3	4.8	21.0	8.6	5.0
Less than 21 cents--:	39.8	26.8	15.2	36.8	25.1	20.3
Less than 24 cents--:	57.2	39.8	26.4	50.9	42.0	33.9
Less than 27 cents--:	74.2	54.6	42.8	67.8	51.5	46.0
Less than 30 cents--:	84.9	68.9	59.0	78.0	64.8	55.5
Less than 33 cents--:	89.5	76.2	69.1	83.7	73.4	65.9
Less than 36 cents--:	92.7	83.3	78.6	90.9	84.7	74.2
Less than 39 cents--:	95.4	88.2	84.6	93.4	88.8	84.1
All levels of cost--:	100.0	100.0	100.0	100.0	100.0	100.0
	Region SE-4					
Less than 15 cents--:	13.9	7.4	1.3			
Less than 18 cents--:	36.3	23.8	10.8			
Less than 21 cents--:	61.3	45.4	21.3			
Less than 24 cents--:	76.5	62.4	44.2			
Less than 27 cents--:	87.8	71.7	59.7			
Less than 30 cents--:	93.2	80.4	72.0			
Less than 33 cents--:	96.1	88.3	78.6			
Less than 36 cents--:	97.7	93.1	87.0			
Less than 39 cents--:	98.1	94.4	92.9			
All levels of cost--:	100.0	100.0	100.0			



Table 7.--Cumulative percentage of upland cotton produced below specified cost levels,  
15 regions, United States, 1965--Continued

Cost per pound of lint	Region SE-7			Region SC-1		
	Direct costs only <u>1</u> /	Direct and overhead costs <u>2</u> /	Direct, overhead, and land costs <u>3</u> /	Direct costs only <u>1</u> /	Direct and overhead costs <u>2</u> /	Direct, overhead, and land costs <u>3</u> /
	Percent	Percent	Percent	Percent	Percent	Percent
Less than 15 cents--	16.7	10.6	2.8	12.6	8.3	4.4
Less than 18 cents--	34.0	24.2	15.9	43.6	20.2	10.5
Less than 21 cents--	58.9	41.2	26.9	71.6	57.0	22.9
Less than 24 cents--	76.6	60.7	38.7	87.8	75.5	50.5
Less than 27 cents--	87.2	71.1	55.1	94.6	88.4	71.1
Less than 30 cents--	93.9	80.5	68.9	97.6	93.7	83.8
Less than 33 cents--	97.5	86.5	75.9	98.6	97.2	91.6
Less than 36 cents--	98.4	91.9	84.7	99.3	98.7	95.8
Less than 39 cents--	98.9	93.7	89.3	99.5	98.9	97.5
All levels of cost--	100.0	100.0	100.0	100.0	100.0	100.0
	Region SC-2			Region SC-3		
Less than 15 cents--	1.4	---	---	29.8	12.1	4.1
Less than 18 cents--	14.7	5.9	---	54.5	40.9	10.5
Less than 21 cents--	43.8	23.9	1.8	68.1	61.8	32.6
Less than 24 cents--	67.7	50.7	11.3	80.0	71.4	51.8
Less than 27 cents--	83.6	70.7	35.9	89.4	80.6	67.2
Less than 30 cents--	91.5	82.1	59.0	92.8	86.8	75.3
Less than 33 cents--	97.8	91.0	73.9	95.5	91.3	83.3
Less than 36 cents--	98.9	95.2	86.0	97.0	93.7	88.7
Less than 39 cents--	99.3	98.0	92.9	97.7	96.2	91.6
All levels of cost--	100.0	100.0	100.0	100.0	100.0	100.0

Table 7.--Cumulative percentage of upland cotton produced below specified cost levels, 15 regions, United States, 1965--Continued

Cost per pound of lint	Region SC-4			Region SC-5		
	Direct costs only <u>1</u> /	Direct and overhead costs <u>2</u> /	Direct, overhead, and land costs <u>3</u> /	Direct costs only <u>1</u> /	Direct and overhead costs <u>2</u> /	Direct, overhead, and land costs <u>3</u> /
	Percent	Percent	Percent	Percent	Percent	Percent
Less than 15 cents--:	20.8	12.9	1.8	0.3	---	---
Less than 18 cents--:	56.3	38.1	7.7	13.1	2.5	---
Less than 21 cents--:	79.1	68.1	19.3	51.1	36.0	4.9
Less than 24 cents--:	92.0	83.6	48.9	72.8	64.1	17.6
Less than 27 cents--:	94.1	90.8	74.0	84.7	79.7	45.7
Less than 30 cents--:	96.9	94.2	85.2	91.0	86.8	69.7
Less than 33 cents--:	98.3	96.6	91.7	93.8	91.9	84.6
Less than 36 cents--:	99.3	97.7	95.2	95.9	93.4	88.3
Less than 39 cents--:	99.5	98.6	97.1	97.8	95.0	92.6
All levels of cost--:	100.0	100.0	100.0	100.0	100.0	100.0
	Region SC-6			Region SC-7		
Less than 15 cents--:	38.8	22.5	5.1	27.4	13.7	1.4
Less than 18 cents--:	60.7	47.5	18.7	57.3	42.0	7.8
Less than 21 cents--:	74.6	60.7	37.6	76.3	62.9	31.5
Less than 24 cents--:	86.3	74.6	54.0	87.5	78.1	54.2
Less than 27 cents--:	92.9	86.8	67.7	91.3	88.0	73.1
Less than 30 cents--:	95.4	91.0	80.5	94.2	91.1	84.3
Less than 33 cents--:	97.9	94.6	87.7	96.6	94.2	88.7
Less than 36 cents--:	98.4	96.4	92.7	98.0	96.2	92.8
Less than 39 cents--:	98.7	97.6	94.6	98.8	97.5	95.1
All levels of cost--:	100.0	100.0	100.0	100.0	100.0	100.0

Table 7.--Cumulative percentage of upland cotton produced below specified cost levels, 15 regions, United States, 1965--Continued

Cost per pound of lint	Region W-1			Region W-2		
	Direct costs only <u>1/</u>	Direct and overhead costs <u>2/</u>	Direct, overhead, and land costs <u>3/</u>	Direct costs only <u>1/</u>	Direct and overhead costs <u>2/</u>	Direct, overhead, and land costs <u>3/</u>
	Percent	Percent	Percent	Percent	Percent	Percent
Less than 15 cents--	1.6	0.3	---	12.4	5.5	1.2
Less than 18 cents--	12.0	5.7	0.7	39.2	21.5	5.6
Less than 21 cents--	32.8	15.1	5.2	73.4	52.0	20.2
Less than 24 cents--	70.5	57.6	11.6	85.7	79.3	47.7
Less than 27 cents--	83.3	71.7	45.6	92.1	88.0	69.5
Less than 30 cents--	92.0	82.5	61.8	97.8	92.1	80.7
Less than 33 cents--	96.1	90.8	72.1	98.1	97.2	89.9
Less than 36 cents--	98.3	95.0	84.4	99.5	98.0	94.4
Less than 39 cents--	99.1	97.2	90.8	99.5	98.6	98.8
All levels of cost--	100.0	100.0	100.0	100.0	100.0	100.0
	Region W-3			Region W-4		
Less than 15 cents--	3.0	1.5	0.9	---	---	---
Less than 18 cents--	16.0	7.6	1.5	4.5	0.4	---
Less than 21 cents--	42.6	24.7	8.6	18.7	7.7	0.4
Less than 24 cents--	68.2	50.3	21.8	40.4	21.7	4.1
Less than 27 cents--	87.4	71.7	43.7	52.2	40.6	12.1
Less than 30 cents--	91.0	86.6	67.7	68.4	51.1	28.5
Less than 33 cents--	97.6	90.8	81.3	78.2	63.4	49.4
Less than 36 cents--	98.7	96.1	86.4	87.3	75.8	64.8
Less than 39 cents--	98.9	98.1	93.0	93.9	84.4	75.1
All levels of cost--	100.0	100.0	100.0	100.0	100.0	100.0

1/ Includes the cost of labor, power and equipment, all materials (seed, fertilizer, herbicides, insecticides, defoliants, and other chemicals), ginning, custom services, irrigation, and interest on operating capital.

2/ Includes direct costs plus the annual costs of overhead items of real estate and social security taxes, insurance expenses, administrative costs, and maintenance of irrigation ditches, fences, terraces, etc.

3/ Total cost of producing cotton.

Table 8.--Upland cotton production: Average yield and costs per acre harvested, and total cost per pound of lint, 15 regions, 1964 and 1965

Region and year		Yield	Costs per harvested acre									Total cost per pound of lint <u>2/</u>	
			Labor	Power and equipment	Materials			Other direct <u>1/</u>	Total direct	General overhead	Land		Total
					Fertilizer	Insecticides	Total						
		Lb.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Cents	
SE-1,5,6:	1964--	536	51.44	37.89	19.06	7.26	32.00	25.04	146.37	27.57	12.88	186.82	30.0
	1965--	521	43.59	40.64	18.95	8.39	35.03	27.60	146.86	25.32	15.58	187.76	31.1
SE-2,3:	1964--	491	44.99	32.58	21.50	12.52	40.72	28.46	146.75	19.26	10.93	176.94	31.3
	1965--	502	32.50	37.81	23.14	15.81	47.86	31.61	149.78	19.28	12.69	181.75	31.3
SE-4:	1964--	579	54.61	39.21	19.21	1.93	25.90	27.84	147.56	25.89	20.04	193.49	28.8
	1965--	598	39.99	42.16	20.12	4.11	31.91	31.19	145.25	22.28	22.48	190.01	27.3
SE-7:	1964--	709	58.63	44.28	16.50	3.34	25.52	30.86	159.29	25.21	29.16	213.66	25.4
	1965--	672	51.38	48.74	17.00	3.44	27.32	35.68	163.12	29.26	26.42	218.80	27.3
SC-1:	1964--	741	51.72	42.67	11.53	6.85	27.84	37.78	160.01	21.91	27.14	209.06	23.4
	1965--	716	47.76	47.01	12.40	8.41	30.85	41.12	166.74	18.11	29.02	213.87	24.7
SC-2:	1964--	563	42.61	44.24	14.10	2.15	22.82	33.77	143.44	15.30	31.77	190.51	28.7
	1965--	559	39.17	47.75	13.92	2.51	24.15	36.92	147.99	16.31	31.62	195.92	29.9
SC-3:	1964--	198	17.62	13.08	3.57	1.90	9.16	9.88	49.74	6.84	12.09	68.67	29.6
	1965--	229	15.61	15.36	3.46	2.64	10.32	11.93	53.22	6.33	11.95	71.50	26.3
SC-4:	1964--	409	20.82	22.66	6.39	6.72	16.96	22.32	82.76	11.53	25.30	119.59	24.6
	1965--	409	24.27	24.00	7.02	5.50	16.53	25.24	90.04	9.37	23.70	123.11	25.3
SC-5:	1964--	424	32.96	27.50	5.39	14.44	24.32	37.15	121.93	13.65	27.24	162.82	33.5
	1965--	539	33.69	32.93	7.50	13.35	25.13	51.44	143.19	11.81	28.64	183.64	29.0

Table 8.--Upland cotton production: Average yield and costs per acre harvested, and total cost per pound of lint, 15 regions, 1964 and 1965--Continued

Region and year	Yield	Costs per harvested acre										Total cost per pound of lint <sup>2/</sup>	
		Labor	Power and equipment	Materials			Other direct <sup>1/</sup>	Total Direct	General overhead	Land	Total		
				Fertilizer	Insecticides	Total							
	Lb.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Cents	
SC-6:	1964--	213	20.26	17.86	2.51	0.86	6.68	14.49	59.29	9.28	13.49	82.06	32.9
	1965--	325	19.38	20.31	2.38	1.06	7.20	23.67	70.56	9.91	17.22	97.69	24.9
SC-7:	1964--	432	36.10	27.52	5.91	.48	11.84	39.07	114.53	13.35	26.98	154.86	30.3
	1965--	515	27.21	30.21	6.86	.32	13.06	46.58	117.06	12.94	27.48	157.48	25.1
W-1:	1964--	1,054	80.48	62.94	18.74	12.86	39.69	100.36	283.47	36.61	60.61	380.69	31.0
	1965--	1,116	73.87	60.40	17.07	16.75	46.73	115.91	296.91	34.87	56.28	388.06	29.6
W-2:	1964--	1,667	77.65	63.11	40.32	13.71	67.64	170.05	378.45	47.97	59.44	485.86	24.3
	1965--	1,600	78.19	67.21	36.83	12.17	64.25	168.12	377.77	40.26	68.77	486.80	25.3
W-3:	1964--	1,026	55.57	58.24	22.82	19.64	51.80	139.21	304.82	33.14	43.74	381.70	31.9
	1965--	1,094	60.07	66.69	20.47	8.52	37.70	127.11	291.57	29.34	50.35	371.26	28.7
W-4:	1964--	723	69.21	52.16	16.14	13.56	35.50	88.01	244.88	31.68	40.04	316.60	38.1
	1965--	753	59.99	57.19	14.85	8.53	30.58	94.01	241.77	29.78	35.13	306.68	34.9
United States	1964--	540	42.40	34.04	11.44	5.69	23.26	37.76	137.46	18.74	24.49	180.69	28.4
	1965--	576	37.27	37.48	11.79	6.20	25.24	43.28	143.27	17.65	25.79	186.71	27.3

<sup>1/</sup> Includes the cost of irrigation, ginning, custom services, and interest on operating capital.

<sup>2/</sup> Obtained by subtracting the value of seed from the total costs of producing lint and associated seed and dividing by yield plus an allowance for the weight of bags and ties.

Table 9.--Upland cotton production: Methods of harvest,  
15 regions, 1964 and 1965

Region and year	By machine				By hand			
	Picked	Stripped	Gleaned	Total	Picked	Snapped	Total	
	Percent	Percent	Percent	Percent	Percent	Percent	Percent	
SE-1,5,6:	1964----	40.6	<u>1/</u>	<u>1/</u>	40.6	57.5	1.9	59.4
	1965----	57.8	<u>1/</u>	<u>1/</u>	57.8	40.8	1.4	42.2
SE-2,3:	1964----	51.7	---	---	51.7	48.0	.3	48.3
	1965----	68.5	---	---	68.5	31.4	.1	31.5
SE-4:	1964----	46.9	0.3	---	47.2	31.5	21.3	52.8
	1965----	66.4	.7	---	67.1	23.7	9.2	32.9
SE-7:	1964----	50.7	---	0.1	50.8	46.2	3.0	49.2
	1965----	64.0	---	<u>1/</u>	64.0	33.7	2.3	36.0
SC-1:	1964----	76.1	.2	<u>1/</u>	76.3	23.1	.6	23.7
	1965----	86.7	.2	<u>1/</u>	87.3	12.5	.2	12.7
SC-2:	1964----	72.9	1.8	.1	74.8	21.3	3.9	25.2
	1965----	84.0	1.0	.1	85.1	10.7	4.2	14.9
SC-3:	1964----	.5	79.1	---	79.6	.4	20.0	20.4
	1965----	2.1	87.4	<u>1/</u>	89.5	---	10.5	10.5
SC-4:	1964----	74.2	6.4	.8	81.4	1.7	16.9	18.6
	1965----	67.9	14.3	.7	82.9	1.8	15.3	17.1
SC-5:	1964----	76.2	1.5	2.1	79.8	14.9	5.3	20.2
	1965----	82.2	2.3	3.0	87.5	8.0	4.5	12.5
SC-6:	1964----	.8	81.6	.2	82.6	<u>1/</u>	17.4	17.4
	1965----	2.8	84.1	.2	87.1	---	12.9	12.9
SC-7:	1964----	<u>1/</u>	91.1	.5	91.6	<u>1/</u>	8.4	8.4
	1965----	---	95.4	.4	95.8	---	4.2	4.2
W-1:	1964----	93.6	.1	.9	94.6	5.3	.1	5.4
	1965----	97.3	---	.7	98.0	2.0	---	2.0
W-2:	1964----	89.2	---	8.4	97.6	2.4	<u>1/</u>	2.4
	1965----	92.8	---	6.0	98.8	1.1	.1	1.2
W-3:	1964----	85.2	---	12.2	97.4	2.6	<u>1/</u>	2.6
	1965----	89.1	---	9.0	98.1	1.6	.3	1.9
W-4:	1964----	65.1	10.4	6.2	81.7	17.1	1.2	18.3
	1965----	84.0	.6	7.1	91.7	7.3	.8	8.1
United States	1964----	54.9	19.4	1.2	75.5	19.9	4.6	24.5
	1965----	60.5	23.6	1.1	85.2	11.6	3.2	14.8

1/ Less than one-tenth of 1 percent.

Table 10.--Fertilizer used in producing upland cotton,  
15 regions, 1964 and 1965

Region and year	Pounds per acre planted		
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O
SE-1,5,6: 1964-----	72	64	71
1965-----	73	67	74
SE-2,3: 1964-----	75	75	98
1965-----	83	71	94
SE-4: 1964-----	74	72	72
1965-----	85	71	72
SE-7: 1964-----	81	56	57
1965-----	79	56	60
SC-1: 1964-----	83	24	26
1965-----	89	24	27
SC-2: 1964-----	63	37	51
1965-----	64	38	50
SC-3: 1964-----	21	16	2
1965-----	33	23	3
SC-4: 1964-----	37	33	3
1965-----	44	37	7
SC-5: 1964-----	35	15	1
1965-----	63	25	2
SC-6: 1964-----	11	12	3
1965-----	24	25	8
SC-7: 1964-----	40	28	2
1965-----	57	38	3
W-1: 1964-----	150	35	2
1965-----	138	31	1
W-2: 1964-----	348	108	0
1965-----	348	96	0
W-3: 1964-----	175	41	0
1965-----	150	37	0
W-4: 1964-----	134	44	1
1965-----	120	53	4
United States 1964-----	65	35	26
1965-----	72	39	27

Table 11.--Upland cotton: Average receipts per pound of lint,  
15 regions, 1964 and 1965

Region	Average receipts per pound <u>1/</u>	
	1964	1965
	<u>Cents</u>	<u>Cents</u>
SE-1,5,6-----	29.9	29.6
2,3-----	28.7	28.8
4-----	29.5	28.5
7-----	29.9	29.2
SC-1-----	29.4	28.5
2-----	29.5	28.5
3-----	25.9	26.1
4-----	28.5	27.9
5-----	30.6	28.6
6-----	26.1	26.2
7-----	26.5	25.2
W-1-----	34.3	32.4
2-----	29.0	27.0
3-----	28.7	28.3
4-----	32.2	32.6
United States-----	29.3	28.4

1/ Includes domestic allotment participation payments when applicable.



Table 13.--Upland cotton production: Average costs per unit of production, by cost level, 15 regions, United States, 1965

Total cost per pound of lint, by region	Percent of production	Yield per harvested acre	Costs of producing a bale of lint and associated seed								Cost per bale of lint <sup>2/</sup>	Cost per pound of lint
			Labor	Power and equipment	Total materials	Other direct <sup>1/</sup>	Total direct	General over-head	Land	Total		
	Percent	Pounds	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Cents
Region SE-1,5,6:												
Under 15 cents-----	0.8	980	6.54	29.42	25.14	19.91	81.01	4.23	5.23	90.47	70.76	14.2
15 to 17 cents-----	3.9	790	9.68	31.56	23.94	22.26	87.44	7.76	9.05	104.25	86.52	17.3
18 to 20 cents-----	10.4	809	13.57	29.29	26.38	22.32	91.56	8.39	16.30	116.25	99.15	19.8
21 to 23 cents-----	11.2	649	23.94	30.68	28.44	22.64	105.70	11.72	13.74	131.16	113.08	22.6
24 to 26 cents-----	16.6	638	27.35	30.99	31.58	26.10	116.02	15.15	14.49	145.66	127.94	25.6
27 to 29 cents-----	16.3	546	41.16	32.93	30.77	25.83	130.69	17.71	12.85	161.25	142.93	28.6
30 to 32 cents-----	10.1	508	47.72	34.76	29.58	24.86	136.92	23.44	14.06	174.42	157.51	31.5
33 to 35 cents-----	9.4	516	48.72	36.53	34.66	28.23	148.14	25.28	15.05	188.47	171.72	34.3
36 to 38 cents-----	6.0	476	50.06	41.12	37.08	27.08	155.34	32.75	16.64	204.73	186.82	37.4
39 cents and up-----	15.3	309	78.22	62.31	42.32	27.64	210.49	56.75	15.65	282.89	265.76	53.2
Total or average <sup>3/</sup> -	100.0	521	40.19	37.46	32.28	25.44	135.37	23.34	14.36	173.07	155.53	31.1
Region SE-2,3:												
Under 15 cents-----	0.3	1,335	5.48	31.91	25.47	17.52	80.38	5.74	5.75	91.87	74.34	14.9
15 to 17 cents-----	4.6	986	14.19	26.55	28.35	18.19	87.28	7.12	6.76	101.16	83.17	16.6
18 to 20 cents-----	15.4	724	14.14	28.85	35.63	21.28	99.90	10.02	7.51	117.43	99.56	19.9
21 to 23 cents-----	13.7	674	17.15	30.60	37.52	24.46	109.73	12.06	7.78	129.57	112.86	22.6
24 to 26 cents-----	12.2	653	20.91	28.44	41.58	32.65	123.58	10.83	11.60	146.01	128.14	25.6
27 to 29 cents-----	9.5	540	26.19	31.02	44.56	32.00	133.77	15.17	11.86	160.80	143.33	28.7
30 to 32 cents-----	10.4	504	35.43	31.09	43.78	32.23	142.53	19.42	11.80	173.75	155.70	31.1
33 to 35 cents-----	8.2	434	30.98	40.84	53.57	28.49	153.88	22.01	14.61	190.50	172.71	34.5
36 to 38 cents-----	9.8	459	38.54	35.03	50.97	45.48	170.02	18.93	12.07	201.02	184.64	36.9
39 cents and up-----	15.9	286	65.01	58.20	64.04	34.45	221.70	40.52	20.16	282.38	264.60	52.9
Total or average <sup>3/</sup> -	100.0	502	31.10	36.19	45.81	30.25	143.35	18.46	12.14	173.95	156.43	31.3

Table 13.--Upland cotton production: Average costs per unit of production, by cost level, 15 regions, United States, 1965--Continued

Total cost per pound of lint, by region	Percent of production	Yield per harvested acre	Cost of producing a bale of lint and associated seed								Cost per bale of lint	Cost per pound of lint
			Labor	Power and equipment	Total materials	Other direct	Total direct	General overhead	Land	Total		
	Percent	Pounds	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Cents
Region SE-4:												
Under 15 cents--	1.3	1,309	11.82	28.91	10.73	19.93	71.39	4.47	10.27	86.13	62.25	12.4
15 to 17 cents--	9.5	836	15.39	25.71	17.79	23.87	82.76	6.81	11.94	101.51	85.65	17.1
18 to 20 cents--	10.5	796	19.18	29.69	20.59	21.55	91.01	8.13	14.59	113.73	96.92	19.4
21 to 23 cents--	22.9	700	22.88	29.66	24.88	24.18	101.60	9.68	18.17	129.45	113.41	22.7
24 to 26 cents--	15.5	615	25.90	30.74	27.86	26.11	110.61	11.82	20.76	143.19	127.02	25.4
27 to 29 cents--	12.3	545	34.81	32.63	27.10	25.67	120.21	16.96	20.96	158.13	142.72	28.5
30 to 32 cents--	6.6	547	52.81	31.41	22.91	26.67	133.80	24.58	15.24	173.62	157.95	31.6
33 to 35 cents--	8.4	504	39.97	40.55	32.61	27.45	140.58	29.58	17.69	187.85	172.93	34.6
36 to 38 cents--	5.9	490	53.33	39.88	27.83	24.96	146.00	30.69	24.12	200.81	185.03	37.0
39 cents and up--	7.1	347	68.91	62.38	33.30	27.65	192.24	59.82	19.16	271.22	255.96	51.2
Total or average 3/---	100.0	598	32.12	33.87	25.63	25.05	116.67	17.90	18.06	152.63	136.71	27.3
Region SE-7:												
Under 15 cents--	2.8	1,314	15.23	23.55	12.23	22.41	73.42	9.02	7.80	90.24	71.76	14.4
15 to 17 cents--	13.1	948	17.32	30.25	16.29	18.79	82.65	9.86	8.38	100.89	82.06	16.4
18 to 20 cents--	11.0	778	23.59	30.92	17.25	21.11	92.87	11.75	12.85	117.47	100.30	20.1
21 to 23 cents--	11.8	732	30.51	28.92	19.91	25.37	104.71	12.27	12.98	129.96	112.16	22.4
24 to 26 cents--	16.4	749	37.79	30.19	19.72	24.27	111.97	14.60	20.05	146.62	128.56	25.7
27 to 29 cents--	13.8	645	38.27	32.96	21.36	28.21	120.80	17.13	21.70	159.63	141.85	28.4
30 to 32 cents--	7.0	592	46.02	34.96	19.62	27.08	127.68	23.70	24.70	176.08	158.20	31.6
33 to 35 cents--	8.8	567	43.32	38.64	21.75	31.95	135.66	28.45	26.42	190.53	172.36	34.5
36 to 38 cents--	4.6	564	52.80	41.10	20.71	33.29	147.90	34.09	24.00	205.99	187.43	37.5
39 cents and up--	10.7	450	63.95	57.27	22.17	27.84	171.23	56.88	29.55	257.66	239.95	48.0
Total or average 3/---	100.0	672	36.72	34.84	19.51	25.49	116.56	20.92	18.89	156.37	138.38	27.7

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Table 13.--Upland cotton production: Average costs per unit of production, by cost level, 15 regions, United States, 1965--Continued

Total cost per pound of lint, by region	Percent of production	Yield per harvested acre	Cost of producing a bale of lint and associated seed								Cost per bale of lint <sup>2/</sup>	Cost per pound of lint
			Labor	Power and equipment	Total materials	Other direct <sup>1/</sup>	Total direct	General overhead	Land	Total		
	Percent	Pounds	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Cents
Region SC-1:												
Under 15 cents--	4.4	1,281	18.94	23.94	11.85	21.25	75.98	7.93	9.92	93.83	68.10	13.6
15 to 17 cents--	6.1	1,183	22.10	26.18	16.07	23.66	88.01	7.64	8.51	104.16	81.98	16.4
18 to 20 cents--	12.4	945	27.23	27.42	17.78	23.83	96.26	9.71	12.77	118.74	97.79	19.6
21 to 23 cents--	27.6	787	28.90	28.36	18.64	28.04	103.94	10.70	17.20	131.84	111.73	22.3
24 to 26 cents--	20.6	675	31.29	32.84	21.26	27.08	112.47	11.38	22.16	146.01	127.67	25.5
27 to 29 cents--	12.7	608	34.56	34.87	22.24	30.61	122.28	14.50	22.81	159.59	141.36	28.3
30 to 32 cents--	7.8	565	41.38	36.18	24.94	29.87	132.37	14.71	27.57	174.65	156.11	31.2
33 to 35 cents--	4.2	523	49.45	37.08	27.19	31.06	144.78	17.28	28.05	190.11	171.72	34.3
36 to 38 cents--	1.7	447	49.06	40.90	24.93	32.85	147.74	22.29	34.58	204.61	185.94	37.2
39 cents and up:	2.5	426	60.86	55.10	44.95	33.60	194.51	29.52	31.90	255.93	238.01	47.6
Total or average <u>3/</u> --	100.0	716	32.03	31.53	20.70	27.58	111.84	12.15	19.46	143.45	123.74	24.7
Region SC-2:												
Under 15 cents--	---	---	---	---	---	---	---	---	---	---	---	---
15 to 17 cents--	---	---	---	---	---	---	---	---	---	---	---	---
18 to 20 cents--	1.8	718	20.24	35.77	17.73	24.54	98.28	5.75	10.55	114.58	95.73	19.1
21 to 23 cents--	9.5	673	19.70	37.07	14.85	26.50	98.12	9.80	24.69	132.61	113.56	22.7
24 to 26 cents--	24.6	633	25.20	38.64	18.25	28.09	110.18	10.56	25.85	146.59	127.81	25.6
27 to 29 cents--	23.1	604	30.13	38.85	20.60	30.57	120.15	12.41	27.51	160.07	141.66	28.3
30 to 32 cents--	14.9	564	34.73	40.46	21.38	34.75	131.32	13.94	30.74	176.00	157.58	31.5
33 to 35 cents--	12.1	477	45.28	42.87	23.78	36.06	147.99	16.55	26.86	191.40	172.41	34.5
36 to 38 cents--	6.9	453	49.35	45.23	21.67	35.84	152.09	20.95	31.80	204.84	186.48	37.3
39 cents and up:	7.1	392	58.46	56.06	30.80	38.58	183.90	27.86	26.17	237.93	219.33	43.9
Total or average <u>3/</u>	100.0	559	33.61	40.97	20.72	31.69	126.99	14.00	27.14	168.13	149.48	29.9

Table 13.--Upland cotton production: Average costs per unit of production, by cost level, 15 regions, United States, 1965--Continued

Total cost per pound of lint, by region	Percent of production	Yield per harvested acre	Cost of producing a bale of lint and associated seed								Cost per bale of lint <u>2/</u>	Cost per pound of lint
			Labor	Power and equipment	Total materials	Other direct <u>1/</u>	Total direct	General over-head	Land	Total		
	Percent	Pounds	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Cents
<b>Region SC-3:</b>												
Under 15 cents--	4.1	413	19.29	19.83	8.61	21.54	69.27	5.46	11.39	86.12	68.04	13.6
15 to 17 cents--	6.4	333	18.26	22.61	14.95	21.87	77.69	7.23	17.80	102.72	84.27	16.9
18 to 20 cents--	22.1	316	22.94	23.15	17.56	24.32	87.97	7.62	21.55	117.14	99.30	19.9
21 to 23 cents--	19.2	258	24.51	28.47	17.01	21.74	91.73	10.13	28.14	130.00	112.14	22.4
24 to 26 cents--	15.7	240	27.13	29.76	23.70	25.82	106.41	11.64	27.19	145.24	126.66	25.3
27 to 29 cents--	8.1	207	35.54	35.16	24.05	26.62	121.37	13.48	25.79	160.64	141.80	28.4
30 to 32 cents--	8.0	169	41.45	38.15	30.61	24.51	134.72	13.82	27.07	175.61	157.26	31.5
33 to 35 cents--	5.4	174	48.61	43.42	22.19	27.59	141.81	24.56	25.94	192.31	173.41	34.7
36 to 38 cents--	2.9	208	65.74	39.39	24.98	25.14	155.25	21.56	30.42	207.23	187.54	37.5
39 cents and up:	8.1	123	71.01	62.17	37.08	34.19	204.45	36.63	29.06	270.14	251.44	50.3
Total or average <u>3/-</u> :	100.0	229	32.73	32.20	21.63	25.02	111.58	13.27	25.06	149.91	131.60	26.3
<b>Region SC-4:</b>												
Under 15 cents--	1.8	696	11.50	17.41	14.22	32.85	75.98	4.75	6.31	87.04	69.24	13.8
15 to 17 cents--	5.9	638	16.94	25.26	16.12	22.41	80.73	6.71	15.87	103.31	84.41	16.9
18 to 20 cents--	11.6	494	17.38	24.78	12.65	28.24	83.05	7.35	27.16	117.56	99.36	19.9
21 to 23 cents--	29.6	459	21.91	25.96	17.05	29.40	94.32	8.85	27.32	130.49	112.90	22.6
24 to 26 cents--	25.1	391	25.66	29.68	20.04	29.30	104.68	10.42	30.26	145.36	127.68	25.5
27 to 29 cents--	11.2	368	38.60	28.83	21.23	30.57	119.23	13.28	27.41	159.92	141.25	28.2
30 to 32 cents--	6.5	324	45.17	28.80	22.78	30.35	127.10	12.59	34.69	174.38	156.32	31.3
33 to 35 cents--	3.5	347	48.09	30.70	29.75	35.92	144.46	17.93	28.00	190.39	172.80	34.6
36 to 38 cents--	1.9	293	52.52	32.22	40.25	37.95	162.94	16.10	25.28	204.32	185.04	37.0
39 cents and up:	2.9	212	84.06	55.06	34.64	34.48	208.24	41.94	39.96	290.14	271.55	54.3
Total or average <u>3/-</u> :	100.0	409	28.49	28.18	19.40	29.62	105.69	11.01	27.82	144.52	126.54	25.3

Table 13.--Upland cotton production: Average costs per unit of production, by cost level, 15 regions, United States, 1965--Continued

Total cost per pound of lint, by region	Percent of production	Yield per harvested acre	Cost of producing a bale of lint and associated seed								Cost per bale of lint <sup>2/</sup>	Cost per pound of lint
			Labor	Power and equipment	Total materials	Other direct <sup>1/</sup>	Total direct	General overhead	Land	Total		
	Percent	Pounds	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Cents
Region SC-5:												
Under 15 cents--	---	---	---	---	---	---	---	---	---	---	---	---
15 to 17 cents--	---	---	---	---	---	---	---	---	---	---	---	---
18 to 20 cents--	4.9	760	15.87	28.18	17.29	39.74	101.08	6.83	11.81	119.72	101.55	20.3
21 to 23 cents--	12.7	697	18.86	25.48	19.32	40.46	104.12	7.11	22.28	133.51	113.94	22.8
24 to 26 cents--	28.1	692	19.32	25.54	20.61	45.72	111.19	8.07	25.39	144.65	126.46	25.3
27 to 29 cents--	24.0	606	30.23	28.43	21.08	44.71	124.45	8.93	26.51	159.89	141.40	28.3
30 to 32 cents--	14.9	484	31.51	30.17	23.92	48.41	134.01	11.03	28.73	173.77	155.49	31.1
33 to 35 cents--	3.7	383	46.93	30.75	20.97	48.32	146.97	15.74	27.55	190.26	172.05	34.4
36 to 38 cents--	4.3	415	49.03	33.09	32.28	48.41	162.81	14.83	26.07	203.71	185.27	37.1
39 cents and up--	7.4	250	74.88	48.84	33.53	54.82	212.07	26.92	29.19	268.18	249.53	49.9
Total or average <sup>3/</sup> --	100.0	539	30.01	29.33	22.38	45.83	127.55	10.52	25.51	163.58	145.09	29.0
Region SC-6:												
Under 15 cents--	5.1	550	15.67	17.46	3.42	26.67	63.22	6.62	17.74	87.58	67.21	13.4
15 to 17 cents--	13.6	470	15.79	21.76	5.08	28.50	71.13	9.04	22.30	102.47	83.57	16.7
18 to 20 cents--	18.9	417	20.72	24.48	7.33	31.71	84.24	11.26	20.64	116.14	97.38	19.5
21 to 23 cents--	16.4	374	22.92	26.08	10.26	31.52	90.78	12.16	27.78	130.72	111.33	22.3
24 to 26 cents--	13.7	305	33.42	29.03	9.35	35.31	107.11	14.95	25.37	147.43	127.25	25.4
27 to 29 cents--	12.8	330	25.87	31.09	16.21	45.86	119.03	15.17	28.71	162.91	141.99	28.4
30 to 32 cents--	7.2	258	42.64	34.30	15.02	39.25	131.21	17.19	26.92	175.32	155.63	31.1
33 to 35 cents--	5.0	211	42.92	43.12	18.29	36.12	140.45	22.24	30.35	193.04	171.87	34.4
36 to 38 cents--	1.9	212	47.54	42.66	15.71	44.57	150.48	24.47	28.90	203.85	185.63	37.1
39 cents and up--	5.4	152	70.77	68.16	18.78	42.87	200.58	39.18	33.85	273.61	254.54	50.9
Total or average <sup>3/</sup> --	100.0	325	28.58	29.96	10.63	34.90	104.07	14.62	25.40	144.09	124.46	24.9

Table 13.--Upland cotton production: Average costs per unit of production, by cost level, 15 regions, United States, 1965--Continued

Total cost per pound of lint, by region	Percent of production	Yield per harvested acre	Cost of producing a bale of lint and associated seed								Cost per bale of lint <sup>2/</sup>	Cost per pound of lint
			Labor	Power and equipment	Total materials	Other direct <sup>1/</sup>	Total direct	General overhead	Land	Total		
	Percent	Pounds	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Cents
Region SC-7:												
Under 15 cents--	1.4	749	13.60	18.49	8.03	32.40	72.52	5.97	10.80	89.29	68.26	13.7
15 to 17 cents--	6.4	710	15.85	20.85	6.88	32.38	75.96	7.02	21.72	104.70	84.11	16.8
18 to 20 cents--	23.7	644	18.35	22.13	9.20	37.64	87.32	7.97	23.88	119.17	97.92	19.6
21 to 23 cents--	22.7	598	21.12	23.74	11.29	41.53	97.68	9.42	26.25	133.35	112.24	22.4
24 to 26 cents--	18.9	512	24.59	28.14	12.90	44.34	109.97	12.77	25.88	148.62	126.90	25.4
27 to 29 cents--	11.2	467	28.99	31.27	13.81	48.05	122.12	13.94	27.25	163.31	142.30	28.5
30 to 32 cents--	4.4	418	32.65	34.97	14.17	47.52	129.31	16.66	31.04	177.01	156.39	31.3
33 to 35 cents--	4.1	348	39.93	37.60	16.80	56.79	151.12	16.86	24.91	192.89	170.20	34.0
36 to 38 cents--	2.3	312	44.00	45.57	15.33	54.90	159.80	20.28	28.58	208.66	187.26	37.5
39 cents and up--	4.9	284	59.08	57.94	23.89	60.80	201.71	31.80	28.90	262.41	240.55	48.1
Total or average <sup>3/</sup> ---	100.0	515	25.34	28.13	12.17	43.38	109.02	12.05	25.59	146.66	125.36	25.1
Region W-1:												
Under 15 cents--	---	---	---	---	---	---	---	---	---	---	---	---
15 to 17 cents--	0.7	1,582	17.53	16.39	9.08	41.63	84.63	6.60	11.82	103.05	84.47	16.9
18 to 20 cents--	4.5	1,341	21.75	24.40	14.37	37.49	98.01	9.29	14.05	121.35	101.24	20.2
21 to 23 cents--	6.4	1,276	22.89	27.57	12.70	34.32	97.48	12.82	18.97	129.27	111.80	22.4
24 to 26 cents--	34.0	1,510	28.71	16.72	16.86	56.04	118.33	10.03	14.80	143.16	124.52	24.9
27 to 29 cents--	16.2	1,088	27.18	29.40	19.50	42.99	119.07	15.61	27.26	161.94	142.69	28.5
30 to 32 cents--	10.3	1,008	34.22	29.12	23.67	45.85	132.86	14.86	26.99	174.71	155.78	31.2
33 to 35 cents--	12.3	964	35.24	29.78	24.13	51.79	140.94	16.29	33.68	190.91	172.60	34.5
36 to 38 cents--	6.4	912	36.87	32.95	25.80	56.14	151.76	19.38	33.69	204.83	187.05	37.4
39 cents and up--	9.2	689	52.32	40.94	28.51	53.92	175.69	32.60	40.54	248.83	230.94	46.2
Total or average <sup>3/</sup> ---	100.0	1,116	31.76	25.97	20.09	49.83	127.65	14.99	24.20	166.84	148.24	29.6

Table 13.--Upland cotton production: Average costs per unit of production, by cost level, 15 regions, United States, 1965--Continued

Total cost per pound of lint, by region	Percent of production	Yield per harvested acre	Costs of producing a bale of lint and associated seed								Cost per bale of lint <u>2/</u>	Cost per pound of lint
			Labor	Power and equipment	Total materials	Other direct <u>1/</u>	Total direct	General overhead	Land	Total		
	Percent	Pounds	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Cents
<b>Region W-2:</b>												
Under 15 cents--:	1.2	2,265	12.11	20.51	10.29	30.74	73.65	4.29	11.20	89.14	71.67	14.3
15 to 17 cents--:	4.4	2,113	12.71	18.22	11.38	37.74	80.05	8.58	14.05	102.68	84.60	16.9
18 to 20 cents--:	14.6	1,869	17.64	19.99	13.55	40.71	91.89	10.01	15.43	117.33	98.05	19.6
21 to 23 cents--:	27.5	1,749	21.03	20.35	17.92	44.76	104.06	10.33	17.48	131.87	112.31	22.5
24 to 26 cents--:	21.8	1,629	24.84	17.09	21.15	51.26	114.34	11.27	19.29	144.90	125.54	25.1
27 to 29 cents--:	11.8	1,580	25.88	19.35	23.61	51.31	120.15	12.12	28.91	161.18	140.99	28.2
30 to 32 cents--:	9.2	1,409	27.33	21.06	23.83	66.61	138.83	13.74	24.88	177.45	157.93	31.6
33 to 35 cents--:	4.5	1,184	31.17	28.39	18.62	59.80	137.98	19.48	31.66	189.12	170.53	34.1
36 to 38 cents--:	2.4	973	38.98	26.00	26.56	66.92	158.46	18.86	29.80	207.12	186.74	37.3
39 cents and up--:	2.6	944	42.08	31.49	26.96	94.39	194.92	35.42	30.29	260.63	241.31	48.3
Total or average <u>3/</u> ----	100.0	1,600	23.45	20.16	19.26	50.43	113.30	12.08	20.63	146.01	126.59	25.3
<b>Region W-3:</b>												
Under 15 cents--:	0.9	1,769	14.09	22.49	9.81	32.07	78.46	6.94	6.51	91.91	72.08	14.4
15 to 17 cents--:	.6	1,525	13.92	22.98	7.00	40.62	84.52	5.55	17.95	108.02	85.59	17.1
18 to 20 cents--:	7.1	1,372	16.78	24.98	14.03	43.55	99.34	7.30	12.88	119.52	99.04	19.8
21 to 23 cents--:	13.2	1,327	20.17	27.22	14.46	46.09	107.94	9.41	16.15	133.50	113.92	22.8
24 to 26 cents--:	21.9	1,199	23.29	28.91	13.17	51.24	116.61	10.89	19.54	147.04	127.86	25.6
27 to 29 cents--:	24.0	1,101	26.88	28.69	14.97	55.54	126.08	12.18	23.29	161.55	142.35	28.5
30 to 32 cents--:	13.6	1,061	28.04	27.87	18.64	64.43	138.98	14.14	21.56	174.68	155.81	31.2
33 to 35 cents--:	5.1	939	32.51	34.17	16.16	60.48	143.32	17.27	30.93	191.52	170.45	34.1
36 to 38 cents--:	6.6	960	33.34	30.39	31.87	66.94	162.54	15.97	25.62	204.13	184.27	36.9
39 cents and up--:	7.0	686	43.70	39.96	22.29	74.82	180.77	26.37	39.98	247.12	227.95	45.6
Total or average <u>3/</u> ----	100.0	1,094	26.36	29.26	16.54	55.78	127.94	12.87	22.09	162.90	143.44	28.7

Table 13.--Upland cotton production: Average costs per unit of production, by cost level, 15 regions, United States, 1965--Continued

Total cost per pound of lint, by region	Percent of production	Yield per harvested acre	Costs of producing a bale of lint and associated seed								Cost per bale of lint <sup>2/</sup>	Cost per pound of lint
			Labor	Power and equipment	Total materials	Other direct <sup>1/</sup>	Total direct	General overhead	Land	Total		
	Percent	Pounds	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Cents
Region W-4:												
Under 15 cents--	---	---	---	---	---	---	---	---	---	---	---	---
15 to 17 cents--	---	---	---	---	---	---	---	---	---	---	---	---
18 to 20 cents--	0.4	1,145	14.82	35.94	13.84	27.27	91.87	8.58	20.12	120.57	103.53	20.7
21 to 23 cents--	3.7	986	30.38	32.75	6.57	35.99	105.69	13.28	13.12	132.09	113.07	22.6
24 to 26 cents--	8.0	884	30.23	36.53	7.92	36.12	110.80	14.18	23.41	148.39	127.32	25.5
27 to 29 cents--	16.4	815	29.93	36.69	14.90	45.11	126.63	14.91	23.92	165.46	143.95	28.8
30 to 32 cents--	20.9	845	31.80	36.67	16.80	49.05	134.32	16.96	26.02	177.30	156.68	31.3
33 to 35 cents--	15.4	760	36.63	35.05	20.60	63.25	155.53	20.84	19.21	195.58	173.87	34.8
36 to 38 cents--	10.3	724	38.68	36.45	24.98	70.52	170.63	19.21	18.78	208.62	187.52	37.5
39 cents and up--	24.9	617	53.88	37.34	27.58	83.93	202.73	24.71	22.74	250.18	229.35	45.9
Total or average <sup>3/</sup> ----	100.0	753	38.25	36.46	19.50	59.92	154.13	18.99	22.40	195.52	174.52	34.9
United States												
average <sup>3/</sup> -----	---	576	31.06	31.23	21.03	36.06	119.38	14.71	21.49	155.58	136.45	27.3

<sup>1/</sup> Includes the cost of irrigation, ginning, custom services, and interest on operating capital.  
<sup>2/</sup> Total cost of producing a bale of lint and associated seed minus the value of associated seed.  
<sup>3/</sup> Includes cost of operations on cotton not harvested.



Table 14.--Upland cotton production: Costs per bale, by type of costs, 15 regions, 1965

Item	SE-1,5,6		SE-2,3		SE-4	
	Average cost	Percentage of total cost <u>1/</u>	Average cost	Percentage of total cost <u>1/</u>	Average cost	Percentage of total cost <u>1/</u>
	Dollars	Percent	Dollars	Percent	Dollars	Percent
Labor-----	40.19	23.2	31.10	17.9	32.12	21.0
Power and equipment-----	37.46	21.6	36.19	20.8	33.87	22.2
Materials:						
Seed-----	2.40	1.4	2.89	1.7	2.41	1.6
Fertilizer-----	17.47	10.1	22.15	12.7	16.16	10.6
Herbicides-----	4.04	2.3	4.27	2.4	3.29	2.2
Insecticides and fungicides--	7.73	4.5	15.14	8.7	3.30	2.2
Defoliants-----	.60	.3	1.23	.7	.39	.3
Other chemicals-----	.04	<u>2/</u>	.13	.1	.08	.1
Total materials-----	32.28	18.7	45.81	26.3	25.63	16.8
29 Ginning, bagging, and ties-----	14.20	8.2	14.60	8.4	13.87	9.1
Custom services-----	8.66	5.0	12.47	7.2	8.89	5.8
Irrigation-----	.01	<u>2/</u>	.04	<u>2/</u>	.06	<u>2/</u>
Interest on operating capital--	2.57	1.5	3.14	1.8	2.23	1.5
Total direct costs <u>3/</u> -----	135.37	78.2	143.35	82.4	116.67	76.4
Overhead-----	23.34	13.5	18.46	10.6	17.90	11.7
Land-----	14.36	8.3	12.14	7.0	18.06	11.8
Total cost, lint and associated seed-----	173.07	100.0	173.95	100.0	152.63	100.0
Less value of seed-----	17.54	---	17.52	---	15.92	---
Cost per bale of lint <u>4/</u> -----	155.53	---	156.43	---	136.71	---
Cost per pound of lint-----	.311	---	.313	---	.273	---
Receipts per pound of lint <u>5/</u> --	.296	---	.288	---	.285	---

Table 14.--Upland cotton production: Costs per bale, by type of costs, 15 regions, 1965--Continued

Item	SE-7		SC-1		SC-2	
	Average cost	Percentage of total cost <u>1/</u>	Average cost	Percentage of total cost <u>1/</u>	Average cost	Percentage of total cost <u>1/</u>
	Dollars	Percent	Dollars	Percent	Dollars	Percent
Labor-----	36.72	23.5	32.03	22.4	33.61	20.0
Power and equipment-----	34.84	22.3	31.53	22.1	40.97	24.4
Materials:						
Seed-----	1.81	1.2	2.02	1.4	2.55	1.5
Fertilizer-----	12.15	7.8	8.31	5.8	11.95	7.1
Herbicides-----	2.59	1.7	3.09	2.2	2.96	1.8
Insecticides and fungicides--	2.46	1.6	5.64	3.9	2.15	1.3
Defoliants-----	.46	.3	.99	.7	.64	.4
Other chemicals-----	.04	<u>2/</u>	---	---	.47	.3
Total materials-----	19.51	12.5	20.05	14.0	20.72	12.3
Ginning, bagging, and ties----	16.34	10.4	17.42	12.2	19.58	11.6
Custom services-----	7.03	4.5	6.89	4.8	6.85	4.1
Irrigation-----	---	---	1.20	.8	2.88	1.7
Interest on operating capital--	2.07	1.3	2.07	1.4	2.38	1.4
Total direct costs <u>3/</u> ----	116.51	74.5	111.19	77.9	126.99	75.5
Overhead-----	20.92	13.4	12.15	8.5	14.00	8.3
Land-----	18.89	12.1	19.46	13.6	27.14	16.1
Total cost, lint and associated seed-----	156.32	100.0	142.80	100.0	168.13	100.0
Less value of seed-----	17.99	---	19.71	---	18.65	---
Cost per bale of lint <u>4/</u> -----	138.33	---	123.09	---	149.48	---
Cost per pound of lint-----	.277	---	.246	---	.299	---
Receipts per pound of lint <u>5/</u> ---	.292	---	.285	---	.285	---

Table 14.--Upland cotton production: Costs per bale, by type of costs, 15 regions, 1965--Continued

Item	SC-3		SC-4		SC-5	
	Average cost	Percentage of total cost <u>1/</u>	Average cost	Percentage of total cost <u>1/</u>	Average cost	Percentage of total cost <u>1/</u>
	Dollars	Percent	Dollars	Percent	Dollars	Percent
Labor-----	32.73	21.8	28.49	19.7	30.01	18.3
Power and equipment-----	32.20	21.5	28.18	19.5	29.33	17.9
Materials:						
Seed-----	5.08	3.4	3.06	2.1	2.19	1.3
Fertilizer-----	7.26	4.8	8.24	5.7	6.68	4.1
Herbicides-----	1.43	1.0	.44	.3	.27	.2
Insecticides and fungicides--	5.53	3.7	6.46	4.5	11.89	7.3
Defoliants-----	2.25	1.5	1.18	.8	1.26	.8
Other chemicals-----	.08	.1	.02	<u>2/</u>	.09	.1
Total materials-----	21.63	14.4	19.40	13.4	22.38	13.7
Ginning, bagging, and ties----	19.00	12.7	17.93	12.4	20.99	12.8
Custom services-----	3.60	2.4	9.15	6.3	16.55	10.1
Irrigation-----	.21	.1	.57	.4	5.96	3.6
Interest on operating capital--	2.21	1.5	1.97	1.4	2.33	1.4
Total direct costs <u>3/</u> ----	111.58	74.4	105.69	73.1	127.55	78.0
Overhead-----	13.27	8.9	11.01	7.6	10.52	6.4
Land-----	25.06	16.7	27.82	19.2	25.51	15.6
Total cost, lint and associated seed-----	149.91	100.0	144.52	100.0	163.58	100.0
Less value of seed-----	18.31	---	17.98	---	18.49	---
Cost per bale of lint <u>4/</u> -----	131.60	---	126.54	---	145.09	---
Cost per pound of lint-----	.263	---	.253	---	.290	---
Receipts per pound of lint <u>5/</u> --	.261	---	.279	---	.286	---

Table 14.--Upland cotton production: Costs per bale, by type of costs, 15 regions, 1965--Continued

Item	SC-6		SC-7		W-1	
	Average cost	Percentage of total cost <u>1/</u>	Average cost	Percentage of total cost <u>1/</u>	Average cost	Percentage of total cost <u>1/</u>
	Dollars	Percent	Dollars	Percent	Dollars	Percent
Labor-----	28.58	19.8	25.34	17.3	31.76	19.0
Power and equipment-----	29.96	20.8	28.13	19.2	25.97	15.6
Materials:						
Seed-----	4.10	2.8	4.20	2.9	2.20	1.3
Fertilizer-----	3.51	2.4	6.39	4.4	7.34	4.4
Herbicides-----	.69	.5	.84	.6	1.13	.7
Insecticides and fungicides--	1.57	1.1	.30	.2	7.20	4.3
Defoliant-----	.76	.5	.43	.3	1.11	.7
Other chemicals-----	---	---	.01	<u>2/</u>	1.11	.7
Total materials-----	10.63	7.4	12.17	8.3	20.09	12.0
Ginning, bagging, and ties-----	19.86	13.8	20.93	14.3	18.41	11.0
Custom services-----	6.84	4.7	3.41	2.3	13.52	8.1
Irrigation-----	6.37	4.4	17.35	11.8	15.57	9.3
Interest on operating capital--	1.83	1.3	1.69	1.2	2.33	1.4
Total direct costs <u>3/</u> -----	104.07	72.2	109.02	74.3	127.65	76.5
Overhead-----	14.62	10.1	12.05	8.2	14.99	9.0
Land-----	25.40	17.6	25.59	17.4	24.20	14.5
Total cost, lint and associated seed-----	144.09	100.0	146.66	100.0	166.84	100.0
Less value of seed-----	19.63	---	21.30	---	18.60	---
Cost per bale of lint <u>4/</u> -----	124.46	---	125.36	---	148.24	---
Cost per pound of lint-----	.249	---	.251	---	.296	---
Receipts per pound of lint <u>5/</u> --	.262	---	.252	---	.324	---

Table 14.--Upland cotton production: Costs per bale, by type of costs, 15 regions, 1965--Continued

Item	W-2		W-3		W-4	
	Average cost	Percentage of total cost <u>1/</u>	Average cost	Percentage of total cost <u>1/</u>	Average cost	Percentage of total cost <u>1/</u>
	Dollars	Percent	Dollars	Percent	Dollars	Percent
Labor-----	23.45	16.1	23.36	14.6	38.25	19.6
Power and equipment-----	20.16	13.8	29.26	18.3	36.46	18.6
Materials:						
Seed-----	1.59	1.1	1.59	1.0	2.77	1.4
Fertilizer-----	11.05	7.6	8.98	5.6	9.47	4.8
Herbicides-----	1.60	1.1	1.45	.9	1.45	.7
Insecticides and fungicides--	3.65	2.5	3.74	2.3	5.44	2.8
Defoliant-----	1.38	.9	.59	.4	.25	.1
Other chemicals-----	.08	.1	.19	.1	.12	.1
Total materials-----	19.35	13.2	16.54	10.3	19.50	10.0
Ginning, bagging, and ties-----	19.45	13.3	19.08	11.9	18.15	9.3
Custom services-----	18.98	13.0	13.46	8.4	8.16	4.2
Irrigation-----	9.88	6.8	21.18	13.2	31.21	16.0
Interest on operating capital--	2.12	1.5	2.06	1.3	2.40	1.2
Total direct costs <u>3/</u> -----	113.39	77.6	124.94	78.1	154.13	78.8
Overhead-----	12.08	8.3	12.87	8.0	18.99	9.7
Land-----	20.63	14.1	22.09	13.8	22.40	11.5
Total cost, lint and associated seed-----	146.10	100.0	159.90	100.0	195.52	100.0
Less value of seed-----	19.42	---	19.46	---	21.00	---
Cost per bale of lint <u>4/</u> -----	126.68	---	140.44	---	174.52	---
Cost per pound of lint-----	.253	---	.281	---	.349	---
Receipts per pound of lint <u>5/</u> --	.270	---	.283	---	.326	---

1/ Totals do not necessarily add because of rounding.2/ Less than 0.05 percent.3/ Includes all cost items other than land and general overhead.4/ Total cost of producing a bale of lint and associated seed minus the value of associated seed.5/ Includes price-support payments for participation in domestic allotment program.

Table 17.--Upland cotton production: Distribution of acreage, yields and production, 15 regions, 1965 <sup>1/</sup>

Region	Number of farms	Planted acreage	Harvested acreage	Yield per harvested acre	Total production
	<u>Number</u>	<u>Acres</u>	<u>Acres</u>	<u>Pounds</u>	<u>Bales</u>
SE-1,5,6----	35,969	761,626	751,882	521	815,577
SE-2,3-----	37,147	1,005,850	956,526	502	999,466
SE-4-----	16,851	423,036	418,182	598	520,586
SE-7-----	20,571	627,513	626,997	672	877,151
SC-1-----	24,307	2,058,615	2,039,337	716	3,040,677
SC-2-----	8,928	446,308	440,463	539	513,294
SC-3-----	12,664	963,918	928,255	229	442,722
SC-4-----	5,154	423,307	417,898	409	355,931
SC-5-----	3,599	372,605	365,652	539	410,538
SC-6-----	19,566	1,434,450	1,387,630	325	940,844
SC-7-----	14,714	2,014,374	1,975,912	515	2,121,925
W-1-----	6,686	658,977	657,875	1,116	1,530,118
W-2-----	856	94,746	94,615	1,600	315,423
W-3-----	1,972	294,488	293,796	1,094	669,528
W-4-----	2,147	200,025	198,115	753	310,762
United States---	211,131	11,779,838	11,553,135	576	13,864,542

<sup>1/</sup> These data are based on farms planting 5.0 or more acres of cotton in the 15 specified regions.