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COST OF STORING AND HANDLING COTTON AT PUBLIC STORAGE FACILITIES

1971-72, with projections for 1973-74

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ABSTRACT

Decreasing volumes and increasing input costs continued to plague the cotton warehousing industry during fiscal 1971-72. Total storage cost increased almost 60 percent over comparable cost for 1970-71. Total fixed cost and personnel expenses accounted for 75 percent of the total storage cost. These findings are based on an analysis of accounting and operational data obtained from warehouse and compress facilities. Increases occurred in the cost of all other services with the exception of the breakout function.

Sample data were also used to develop projected storing and handling costs for fiscal 1973-74. These costs reflect projected changes in volumes handled and stored and expected changes in cost levels. Costs so developed were based on projected production of 11.4 and 13.0 million bales, beginning inventory in public storage of 2.9 million bales, and disappearance of 11.6 million bales.

Keywords: Cotton, costs, storage, warehouses, projections.

PREFACE

This report is the fourth in a continuing series of studies designed to determine the cost of storing and handling cotton in public storage facilities. These studies have been used by both industry and Government as background information in discussions concerning rates to be paid for storing and handling Government owned or controlled cotton. Moreover, these data form an integral part of a broader study designed to determine optimum warehouse locations and cotton shipping patterns.

The authors express their appreciation to members of the cotton warehousing industry for their continued support of this work and particularly to the many individuals who provided the cost and operating data necessary for this study. Special thanks are due William H. Freund, Leader, Automatic Data Processing Group, Marketing Economics Division, for assistance in computer program development.

RELATED STUDIES

Cost of Storing and Handling Cotton at Public Storage Facilities, 1964-65. U.S. Dept. Agr., Econ. Res. Serv., ERS-306, Oct. 1966.

Cost of Storing and Handling Cotton at Public Storage Facilities, 1968-69, With Projections for 1969-70 and 1970-71. U.S. Dept. Agr., Econ. Res. Serv., ERS-443, April 1970.

Cost of Storing and Handling Cotton at Public Storage Facilities, 1969-70, With Projections for 1971-72. U.S. Dept. Agr., Econ. Res. Serv., ERS-472, March 1971.

Cost of Storing and Handling Cotton at Public Storage Facilities, 1970-71, With Projections for 1972-73. U.S. Dept. Agr., Econ. Res. Serv., ERS-502, April 1972.

Storing and Handling Cotton in Public Facilities--An Evaluation of Cost Structures in 1964-65 and 1969-70. U.S. Dept. Agr., Econ. Res. Serv., ERS-469, April 1971.

CONTENTS

	<u>Page</u>
Summary.....	1
1. Sample cotton storage plants included in survey: Number, capacity, and major services performed, by area and type of facility, fiscal 1971-72.....	3
2. Storing and handling cotton: Average cost per bale, by area and type of facility, fiscal 1971-72.....	4
3-4. Storing and handling cotton: Estimated weighted average cost per bale, by area and type of facility, fiscal 1973-74.....	5-6
Appendix: Methodology.....	7
Sampling.....	7
Factors used to project costs.....	8
Appendix tables:	
5-8. Receiving: Estimated cost per bale of cotton at selected warehouses and compresses, by area and United States, fiscal 1971-72 and 1973-74.....	9-12
9-12. Storage: Estimated cost per bale of cotton per month at selected warehouses and compresses, by area and United States, fiscal 1971-72 and 1973-74.....	13-16
13-16. Breakout: Estimated cost per bale of cotton at selected warehouses and compresses, by area and United States, fiscal 1971-72 and 1973-74.....	17-20
17-20. Shipping: Estimated cost per bale of cotton at selected warehouses and compresses, by area and United States, fiscal 1971-72 and 1973-74.....	21-24
21-22. Standard-density compression: Estimated cost per bale of cotton at selected compresses, by area and United States, fiscal 1971-72 and 1973-74.....	25-26
23-24. High-density compression: Estimated cost per bale of cotton at selected compresses, by area and United States, fiscal 1971-72 and 1973-74.....	27-28
25-27. Cotton supply and disposition, by month 1971-72 and 1973-74 crop years.....	29-31
28-30. Volumes of cotton and estimated volumes stored in public storage facilities, by region and month, 1971-72 and 1973-74 crop years.....	32-34
31. Cotton warehouses and compresses: Number, storage capacity, and size group, by area and United States, fiscal 1970-71 and 1971-72....	35

COST OF STORING AND HANDLING COTTON AT PUBLIC STORAGE FACILITIES,
1971-72, WITH PROJECTIONS FOR 1973-74

by

Whitman M. Chandler, Jr. and Joseph L. Ghatti 1/

HIGHLIGHTS

Declining volumes available for storage and increasing input costs continued to plague the cotton warehousing industry during fiscal 1971-72. As a result, the average total cost for storage alone was \$7.608 per bale per year (63.40 cents per month) (table 2), compared with \$4.783 per bale per year (39.86 cents per month) in 1970-71. Average out-of-pocket cost for storing only was \$5.856 per bale per year (48.80 cents per month) in 1971-72, compared with \$3.470 per bale per year (28.92 cents per month) in 1970-71. A decrease of 4.8 million bale-months of storage was partly responsible for an increase in average fixed cost per bale from 20.0 to 24.6 cents per month at warehouses and from 15.0 to 23.1 cents per month at compresses during this same time (tables 9 and 11). Another contributing factor was an increase in capital investment resulting in higher depreciation charges for plant and equipment.

Substantial increases were also noted in most variable cost items associated with the storage function. For example, average personnel expenses per bale per month in 1971-72 were 30.2 cents for warehouses and 22.1 cents for compresses, compared with 12.9 and 12.3 cents, respectively, in 1970-71. On the average, fixed costs and personnel expenses accounted for over 75 percent of the total storage cost in 1971-72. With such a large portion of total cost being fixed (or semifixed as in the case of most labor), warehousemen will find it increasingly difficult to maintain (or even obtain) a favorable cost-revenue relationship.

These observations are based on an analysis of accounting and operational data obtained from a sample of 91 warehouses and compresses. The total capacity of sample plants was about 39 percent of that for all plants approved for storing and handling cotton owned or controlled by the Commodity Credit Corporation (CCC). The number of plants in the sample represented about 14 percent of the total plants approved by CCC. 2/ Detailed information on the methodology may be found in the appendix.

1/ Economist and Agricultural Economist, respectively, Marketing Economics Division, Economic Research Service.

2/ For a comparison of the total number of plants and total capacities in 1970-71 and 1971-72, see table 31.

The total cost involved in receiving a bale of cotton for storage averaged \$1.349 at warehouses and \$0.899 at compresses in 1971-72, compared with \$0.985 and \$0.828 in 1970-71 (table 1). The significantly larger increase experienced by warehouses was caused by differences in operating practices. Many compresses, for example, have installed semiautomatic receiving units capable of weighing and sampling 150 or more bales per hour. In contrast, the smaller, lower volume warehouses still depend to a large extent on hand trucks and labor for weighing and sampling.

Other services routinely performed are breakout, shipping, and compression. Estimated costs per bale for these services in 1971-72 averaged \$0.478 for breakout, \$0.718 for shipping, \$1.816 for standard compression, and \$2.135 for high-density compression. Comparable costs for the previous year were \$0.651, \$0.698, \$1.784, and \$2.137, respectively.

Sample data for 1971-72 were used to project costs for 1973-74. These projected costs reflect (1) changes in volumes handled and stored, and (2) expected changes in cost levels. The distribution of stocks among facilities was assumed to be in the same proportions as during 1971-72.

Total storage cost for 1973-74, reflecting an 11.4-million-bale crop and projected disappearance of 11.6 million bales, would average \$10.020 per bale per year (83.5 cents per month) at warehouses and \$8.700 (72.5 cents per month) at compresses (table 3). For all facilities combined, total storage costs would average \$9.060 per bale per year, or 75.5 cents per month. Costs for receiving, breaking out, and shipping were estimated at \$1.220, \$0.534, and \$0.970 per bale, respectively. Average cost for standard density compression was estimated at \$2.191 per bale and for high-density compression \$2.859. Comparable costs based on a production level of 13.0 million bales are shown in table 4.

Detailed information on estimated costs for all functions for 1971-72 and projected costs for 1973-74 (based on a 13.0-million-bale crop) is shown in tables 5 through 24. Supply and distribution are shown in tables 25 through 27 and stocks of cotton in tables 28 through 30. The number of facilities and the amount of space approved to store Government cotton in 1970-71 and 1971-72 are shown in table 31.

APPENDIX: METHODOLOGY

Sampling

Questionnaires were mailed to the 88 operators (61 compresses and 27 warehouses) who participated in the 1970-71 study (U.S. Dept. Agr., LKS-501, April 1972). In addition, 22 operators (10 compresses and 12 warehouses) were added to this year's study to maintain a representative sample. These operators were randomly selected from a list of all plants approved for storage by the Commodity Credit Corporation. Followup letters were sent to nonrespondents and, in some instances, telephone calls were made to the owners or plant managers who had not returned the questionnaire. Because of insufficient data, inability to

Table 1--Sample cotton storage plants included in survey: Number, capacity, and major services performed, by area and type of facility, fiscal 1971-72

Type of facility and area	Sample plants	Total cotton storage capacity 1/	Total bale- months of storage	Average occu- pancy	Average months of storage per bale	Receipts	Shipments	Revenue		Resampling and reweighing			
								Bales	Bales	Standard density	High density	Stock 2/	ATOS 3/
Warehouses: 4/													
Southeast 5/.....	19	384,935	846,604	18.3	3.8	190,411	201,876	--	--	5,314	18,718		
South Central 6/.....	8	459,938	2,128,445	38.6	5.6	130,529	280,360	--	--	78,736	89,414		
Southwest 7/.....	6	224,450	670,755	24.9	3.9	144,963	139,376	--	--	46,215	14,761		
Total warehouses....	33	1,069,323	3,645,804	28.4	4.7	465,903	621,612	--	--	130,265	122,893		
Compresses: 4/													
Southeast 5/.....	3	155,000	475,612	25.6	3.7	111,362	132,236	44,327	--	84	1,754		
South Central 6/.....	32	3,485,750	8,182,084	19.6	3.5	1,517,889	1,705,669	1,328,253	272,952	53,965	276,719		
Southwest 7/.....	11	1,579,350	3,170,108	16.7	3.5	793,242	704,376	306,961	344,683	5,273	145,233		
West 8/.....	8	1,376,200	4,226,901	25.6	4.2	810,103	882,433	283,966	367,869	2,676	180,854		
Ports 9/.....	4	383,000	928,534	20.2	2.8	251,108	336,292	40,916	212,543	4,932	43,344		
Total compresses....	58	6,979,300	16,983,239	20.3	3.6	3,483,704	3,761,006	2,004,423	1,198,047	66,930	647,904		
United States.....	91	8,046,823	20,629,043	21.4	3.7	3,949,607	4,382,618	2,004,423	1,198,047	197,195	770,797		

Table 3--Storing and handling cotton: Estimated weighted average cost per bale, based on 11.4-million-bale crop, by area and type of facility, fiscal 1973-74 1/

Area and type of facility	Estimated replacement cost for--											
	Receiving			Storage			Breakout			Shipping		
	Total : Out-of-pocket : cost 2/	Total : Out-of-pocket : cost 3/	Total : Out-of-pocket : cost 2/	Total : Out-of-pocket : cost 3/	Total : Out-of-pocket : cost 2/	Total : Out-of-pocket : cost 3/	Total : Out-of-pocket : cost 2/	Total : Out-of-pocket : cost 3/	Total : Out-of-pocket : cost 2/	Total : Out-of-pocket : cost 3/	Storage and handling : cost 2/	Storage and handling : cost 3/
Southeast:												
Warehouses.....	1.801	1.413	13.776	9.864	0.876	0.843	1.840	1.199	18.293	13.319	--	--
Compresses.....	1.406	1.025	9.840	6.360	.565	.539	.938	.529	12.749	8.453	2.396	1.574
All plants.....	1.746	1.359	13.260	9.396	.825	.793	1.693	1.090	17.524	12.638	2.396	1.574
South Central:												
Warehouses.....	1.291	1.044	5.232	3.300	.331	.307	.727	.443	7.581	5.094	--	--
Compresses.....	1.144	.912	7.800	5.292	.584	.555	.796	.515	10.324	7.274	2.099	1.656
All plants.....	1.159	.925	7.308	4.920	.549	.521	.787	.505	9.803	6.871	2.099	1.656
Southwest:												
Warehouses.....	1.236	.958	8.700	5.712	.410	.380	1.109	.667	11.455	7.717	--	--
Compresses.....	1.317	.864	10.860	6.348	.363	.343	1.003	.573	13.543	8.128	2.653	1.791
All plants.....	1.298	.887	10.284	6.180	.375	.352	1.029	.597	12.986	8.016	2.653	1.791
West:												
Compresses.....	.575	.503	7.656	4.800	.401	.380	.745	.360	9.377	6.043	2.007	1.512
Gulf ports:												
Compresses.....	1.240	.856	10.968	7.032	.557	.540	.749	.395	13.514	8.823	3.074	2.084
United States:												
Warehouses.....	1.571	1.238	10.020	6.888	.636	.605	1.400	.892	13.627	9.623	--	--
Compresses.....	1.109	.831	8.700	5.580	.502	.478	.833	.490	11.144	7.379	2.191	1.647
All plants.....	1.220	.929	9.060	5.928	.534	.509	.970	.587	11.784	7.953	2.191	1.647

1/ Costs are based on estimated 1973-74 price levels and estimated production of 11.4 million bales, beginning inventory of 2.9 million bales in public storage, and disappearance of 11.6 million bales.

2/ Includes depreciation and interest on investment.

3/ Excludes depreciation and interest on investment.

4/ No cotton reported as being compressed to high density during 1971-72.

Note: See table 1 for delineation of areas.

Table 1—Storage and handling cotton: Estimated weighted average cost per bale, based on 13.0-million-bale crop, by area and type of facility, fiscal 1973-74

Area and type of facility	Estimated replacement cost for—													
	Receiving		Storage		Breakout		Shipping		Storage and handling		Standard density		Total	
	Total	Out-of-pocket	Total	Out-of-pocket	Total	Out-of-pocket	Total	Out-of-pocket	Total	Out-of-pocket	Total	Out-of-pocket	Total	Out-of-pocket
	cost	3/	cost	3/	cost	3/	cost	3/	cost	3/	cost	3/	cost	3/
--- Dollars ---														
Northwest:														
Warehouse.....	1.724	1.385	13.116	9.756	.876	.843	1.840	1.199	17.556	13.183	--	--	--	--
Compressor.....	1.355	1.020	9.276	6.288	.565	.539	.938	.529	12.134	8.376	2.246	1.563	9.4	4
All plants.....	1.673	1.334	12.600	9.300	.825	.793	1.693	1.090	16.791	12.517	2.236	1.563	9	4
South Central:														
Warehouse.....	1.258	1.042	4.980	3.276	.331	.307	.727	.443	7.296	5.068	--	--	--	--
Compressor.....	1.113	.909	7.428	5.232	.584	.555	.796	.515	9.921	7.211	2.021	1.652	2.808	1.954
All plants.....	1.127	.921	6.960	4.872	.549	.521	.787	.505	9.423	6.819	2.021	1.652	2.808	1.954
Southwest:														
Warehouse.....	1.193	.954	8.196	5.652	.410	.380	1.109	.667	10.913	7.653	--	--	--	--
Compressor.....	1.257	.859	10.116	6.252	.363	.343	1.003	.573	12.739	8.027	2.500	1.784	2.836	1.954
All plant.....	1.242	.882	9.612	6.096	.375	.352	1.029	.597	12.258	7.927	2.500	1.784	2.836	1.954
West:														
Compressor.....	.559	.496	7.164	4.680	.401	.380	.745	.360	8.869	5.916	1.913	1.501	2.547	1.778
Gulf Port:														
Compressor.....	1.186	.859	10.212	6.840	.557	.540	.749	.395	12.704	8.624	2.881	2.058	2.547	1.838
United States:														
Warehouses.....	1.512	1.220	9.528	6.828	.636	.605	1.400	.892	13.076	9.545	--	--	--	--
Compressor.....	1.070	.827	8.184	5.496	.502	.478	.833	.490	10.589	7.291	2.093	1.641	2.662	1.920
All plants.....	1.177	.921	8.544	5.856	.534	.509	.970	.587	11.225	7.873	2.093	1.641	2.662	1.920

1/ Costs are based on estimated 1973-74 price levels and estimated production of 13.0 million bales, beginning inventory of 2.9 million bales in public storage, and disappearance of 11.6 million bales.

2/ Includes depreciation and interest on investment.

3/ Excludes depreciation and interest on investment.

4/ No cotton reported as being compressed to high density during 1971-72.

Note: See table 1 for delineation of areas.

contact owners or managers, and other factors, 19 firms were deleted from the sample. The remaining 58 compresses and 33 warehouses represented about 14 percent of the total number of plants and approximately 39 percent of the approved capacity of the universe.

Depreciation and Interest

Book depreciation on buildings and equipment was not used because, in many cases, they had been fully depreciated and many firms did not show a cost for interest on investment. Use of book depreciation and interest would have had the effect of allowing substantial depreciation and interest charges not only for new plants but for old plants that had recently changed hands, but no depreciation or interest charges for plants of comparable age and structure that had been fully depreciated.

Standard Depreciation Rate Schedule (Straight-Line Method)

To minimize the effects on costs of these variations among plants in depreciation and interest on investment, standard rates were used for all plants. The interest allowance on capital investment was computed at 8 percent of one-half the original cost of buildings and equipment plus the original cost of the land. Depreciation rates used to recompute depreciation charges are shown below.

<u>Buildings and Improvements</u>	<u>Annual Rate (Percent)</u>
Wood frame, ironclad	2.5
Brick, concrete, or steel	2.0
Wood	3.0
Fences	5.0
Water tower and tanks	2.5
Railroad sidings	3.3
Roadways, pavement of grounds	5.0
<u>Plant Equipment</u>	
Compression	3.0
<u>Handling and Automotive Equipment</u>	
Clamps: 5,000 lb. or less	14.3
6,000 lb. or over	16.7
Tractors	6.7
Trailers, warehouse and yard	6.7
Hand trucks	4.0
Road trucks	14.3
Automobiles	20.0
Conveyor systems	14.3
Shop equipment	6.7
Air compressors	6.7
Scales	5.0
Fire equipment	5.0

Personnel carriers	10.0
Motorized sweepers	14.3

<u>Office</u>	
Furniture and equipment	10.0

Replacement Cost

Estimates of costs were developed for 1973-74 based on projected disappearance and two levels of production. These costs reflect changes in volumes handled and stored, and expected changes in cost levels. Plant depreciation and interest on investment were recomputed on estimated 1973-74 replacement costs. These costs were based on a wood frame, ironclad type of construction that is prevalent in much of the Cotton Belt. The square foot cost was estimated at \$3.40 for warehouses and \$3.51 for compresses. These costs include the cost of buildings, water systems, spur-tracks, blacktopping or paving, and other improvements.

In developing the building and improvement replacement cost for each plant, the estimated cost was applied to the total number of square feet of floor space existing in 1971-72. For all other depreciable assets of individual plants, except compress equipment, standard depreciation rates were applied to 108 percent of their acquisition cost. Replacement of the compression equipment was estimated at \$120,000 and an allowance equal to the original cost of land was used in estimating returns on investment.

Factors Used to Project Costs

<u>Cost item</u>	<u>Percentage increase from 1971-72 to 1973-74</u>
Fixed costs:	
Depreciation	<u>1/</u>
Insurance	15.0
Taxes	17.0
Interest on investment	<u>2/</u>
Variable costs:	
Labor	13.0
Utilities	10.0
Repairs and maintenance	15.0
Material-handling equipment	8.0
Cotton insurance	15.0
All other items	7.0

1/ Building costs were computed at \$3.40 per square foot for warehouses and \$3.51 per square foot for compresses. Depreciation was computed at 2.6 percent of the total cost derived. The replacement cost for compression equipment was estimated at \$120,000.

2/ Calculated at 8.0 percent of one-half the replacement cost of buildings and equipment plus the full cost of land.

Table 5--Receiving: Estimated cost per bale of cotton at selected warehouses, by area and United States, fiscal 1971-72

Cost item	Area			
	South- east	South Central	South- west	United States
	----- Dollars per bale -----			
Fixed costs:				
Depreciation <u>1</u> /.....	0.091	0.032	0.048	0.071
Insurance.....	.116	.006	.008	.072
Taxes.....	.107	.016	.021	.071
Leases and rentals.....	.014	.014	.009	.012
Interest on investment <u>2</u> /.....	.170	.066	.139	.146
Total fixed costs.....	.498	.134	.225	.372
Variable costs:				
Personnel expenses.....	.818	.704	.551	.732
Handling equipment <u>3</u> /.....	.034	.016	.031	.030
Repairs and maintenance.....	.018	.008	.006	.013
Other utilities.....	.047	.020	.028	.038
Home office.....	--	.038	.083	.027
Warehouse supplies.....	.048	.087	.047	.054
Office supplies.....	.026	.009	.040	.027
Transportation expense <u>4</u> /.....	.034	.012	.004	.023
Other <u>5</u> /.....	.010	.011	.029	.015
Interest, working capital <u>6</u> /....	.019	.010	.016	.016
Total variable costs.....	1.053	.914	.835	.976
Total fixed and variable costs....	1.551	1.048	1.059	1.349

1/ Costs are based on standardized depreciation rates applied to original acquisition costs of buildings and equipment.

2/ Calculated at 8.0 percent of one-half the acquisition costs of buildings and equipment, plus the full cost of land. Actual expenditures of this nature were eliminated.

3/ Cost for labor, repair, and operating fuel. Does not include wages paid drivers or operators, nor depreciation.

4/ Includes switching, demurrage, and nonrefundable hauling and freight.

5/ Includes dues, subscriptions, audit, and legal fees.

6/ Calculated at 7.0 percent per year borrowed quarterly of the "out-of-pocket" cost. Actual expenditures of this nature were eliminated.

Note: See table 1 for delineation of areas.

Note: Individual costs may not always add to the totals due to rounding.

Table 1. Estimated cost per bale of cotton at selected warehouses, by area and United States, (fiscal) 1973-74

Cost item ^{1/}	Area			
	South- East	South Central	South- West	United States
	----- Dollars per bale -----			
Fixed costs: ^{2/}				
Depreciation.....	.097	.049	.060	.071
Insurance.....	.106	.006	.006	.064
Taxes.....	.099	.015	.020	.065
Interest on investment.....	.241	.167	.184	.213
Total fixed costs.....	.545	.237	.271	.421
Variable costs: ^{3/}				
Personnel expenses.....	.924	.795	.623	.829
Handling equipment.....	.037	.017	.033	.033
Repairs and maintenance.....	.020	.009	.006	.015
Other utilities.....	.052	.022	.031	.041
Home office.....	--	.040	.080	.029
Warehouse supplies.....	.051	.094	.051	.058
Office supplies.....	.028	.010	.043	.029
Transportation expense.....	.037	.013	.004	.025
Other.....	.011	.011	.031	.016
Interest, working capital.....	.019	.010	.010	.017
Total variable costs.....	1.180	1.021	.927	1.091
Total fixed and variable costs....	1.724	1.258	1.198	1.512

^{1/} See footnotes to table 5 for explanation of various cost items.

^{2/} Depreciation and interest based on replacing facilities and equipment at expected 1973-74 price levels. Volumes of cotton were assumed to be distributed in the same proportions in 1971-72.

^{3/} Costs developed from sample firms for 1971-72 were adjusted to reflect estimated changes expected to be incurred in 1973-74.

Note: See table 1 for delineation of areas.

Note: Individual costs may not always add to the totals due to rounding.

Table 7--Receiving: Estimated cost per bale of cotton at selected compresses, by area and United States, fiscal 1971-72

Cost item <u>1/</u>	Area					
	South- east	South Central	South- west	West	Ports	United States
	Dollars per bale					
Fixed costs:						
Depreciation.....	0.035	0.036	0.050	0.024	0.040	0.038
Insurance.....	.009	.006	.014	.012	.019	.011
Taxes.....	.026	.018	.026	.041	.032	.025
Leases and rentals.....	--	.001	.016	.029	.011	.010
Interest on investment..	.080	.082	.148	.019	.219	.102
Total fixed costs.....	.150	.143	.254	.124	.321	.186
Variable costs:						
Personnel expenses.....	.670	.531	.508	.294	.503	.488
Handling equipment.....	.016	.024	.027	.020	.026	.024
Repairs and maintenance..	.013	.008	.003	.003	.002	.005
Other utilities.....	.032	.017	.032	.006	.020	.019
Home office.....	.018	.073	.037	.003	--	.044
Warehouse supplies.....	.015	.107	.057	.061	.063	.080
Office supplies.....	.009	.008	.029	.003	.017	.014
Transportation expense..	.017	.002	.013	--	--	.005
Other.....	.076	.015	.020	.005	.074	.022
Interest working capital.....	.017	.012	.013	.009	.016	.012
Total variable costs..	.883	.797	.738	.403	.721	.714
Total fixed and variable costs.....	1.033	.940	.992	.527	1.042	.899

1/ See footnotes to table 5 for explanation of various cost items.

Note: See table 1 for delineation of areas.

Note: Individual costs may not always add to the totals due to rounding.

Table 5-Continued: Estimated cost per bale of cotton at selected compresses, by area and United States, fiscal 1973-74

Cost item ^{1/}	Area					
	South- east	South Central	South- west	West	Ports	United States
	----- Dollars per bale -----					
Fixed costs:						
Depreciation.....	0.087	0.054	0.074	0.031	0.052	0.056
Insurance.....	.009	.006	.013	.011	.017	.009
Taxes.....	.024	.017	.024	.037	.030	.023
Interest on investment...	.247	.150	.323	.032	.285	.188
Total fixed costs.....	.367	.226	.434	.111	.384	.276
Variable costs:						
Personnel expenses.....	.758	.600	.575	.332	.569	.552
Handling equipment.....	.017	.026	.029	.022	.028	.026
Repairs and maintenance..	.015	.009	.003	.004	.002	.006
Other utilities.....	.035	.018	.035	.006	.022	.021
Home office.....	.019	.078	.040	.003	--	.047
Warehouse supplies.....	.016	.115	.061	.065	.068	.085
Office supplies.....	.010	.009	.031	.003	.019	.015
Transportation expense...	.018	.002	.014	--	.001	.005
Other.....	.081	.016	.021	.005	.079	.024
Interest, working capital.....	.018	.012	.014	.008	.017	.013
Total variable costs....	.988	.886	.822	.448	.802	.794
Total fixed and variable costs.....	1.355	1.113	1.257	.559	1.186	1.070

1/ See footnotes to table 5 for explanation of various cost items, and footnotes to table 6 for basic assumptions.

Note: See table 1 for delineation of areas.

Note: Individual costs may not always add to the totals due to rounding.

Table 9--Storage: Estimated cost per bale of cotton per month at selected warehouses, by area and United States, fiscal 1971-72

Cost item <u>1/</u>	Area			
	South- east	South Central	South- west	United States
	----- Dollars per bale -----			
Fixed costs:				
Depreciation.....	0.113	0.042	0.094	0.086
Insurance.....	.031	.004	.012	.018
Taxes.....	.035	.008	.029	.025
Leases and rentals.....	.039	.029	.059	.040
Interest on investment.....	.105	.034	.078	.076
Total fixed costs.....	.323	.117	.272	.246
Variable costs:				
Personnel expenses.....	.462	.129	.209	.302
Handling equipment.....	.028	.009	.022	.021
Repairs and maintenance.....	.038	.016	.020	.027
Cotton insurance.....	.036	.012	.021	.025
Licenses and bonds.....	.013	.001	.005	.008
Other utilities.....	.032	.009	.016	.021
Home office.....	--	.015	.037	.012
Warehouse supplies.....	.014	.005	.012	.011
Office supplies.....	.016	.003	.020	.013
Claims.....	.001	.002	.009	.003
Transportation expense.....	.022	.004	.002	.012
Other.....	.007	.027	.018	.015
Interest, working capital.....	.012	.004	.007	.009
Total variable costs.....	.682	.237	.397	.480
Total fixed and variable costs.....	1.005	.354	.669	.725

1/ See footnotes to table 5 for explanation of various cost items.

Note: See table 1 for delineation of areas.

Note: Individual costs may not always add to the totals due to rounding.

Table 1/—Storage: Estimated cost per bale of cotton per month at selected warehouses, by area and United States, fiscal 1973-74

Cost item 1/	Area			
	South- east	South Central	South- west	United States
	----- Dollars per bale -----			
Fixed costs:				
Depreciation.....	0.152	0.072	0.122	0.122
Insurance.....	.022	.003	.009	.014
Taxes.....	.026	.006	.021	.019
Interest on investment.....	.128	.070	.090	.104
Total fixed costs.....	.328	.151	.242	.258
Variable costs:				
Personnel expenses.....	.522	.146	.236	.342
Handling equipment.....	.030	.010	.024	.022
Repairs and maintenance.....	.044	.019	.023	.031
Cotton insurance.....	.042	.014	.024	.029
Licenses and bonds.....	.014	.001	.005	.008
Other utilities.....	.036	.010	.018	.024
Home office.....	--	.016	.039	.013
Warehouse supplies.....	.015	.005	.013	.011
Office supplies.....	.017	.004	.021	.013
Claims.....	.001	.002	.010	.003
Transportation expense.....	.023	.004	.002	.013
Other.....	.007	.028	.018	.016
Interest, working capital.....	.013	.004	.007	.009
Total variable costs.....	.765	.264	.441	.536
Total fixed and variable costs...	1.093	.415	.683	.794

1/ See footnotes to table 5 for explanation of various cost items, and footnotes to table 6 for basic assumptions.

Note: See table 1 for delineation of areas.

Note: Individual costs may not always add to the totals due to rounding.

Table 11--Storage: Estimated cost per bale of cotton per month at selected compresses, by area and United States, fiscal 1971-72

Cost item <u>1/</u>	Area					
	South- east	South Central	South- west	West	Ports	United States
	Dollars per bale					
Fixed costs:						
Depreciation.....	0.047	0.061	0.125	0.081	0.147	0.084
Insurance.....	.012	.012	.021	.019	.040	.017
Taxes.....	.031	.030	.040	.069	.085	.043
Leases and rentals.....	.001	.003	.040	.090	.072	.030
Interest on investment..	.034	.050	.072	.052	.085	.057
Total fixed costs.....	.124	.156	.297	.311	.429	.231
Variable costs:						
Personnel expenses.....	.268	.199	.273	.185	.310	.221
Handling expenses.....	.011	.023	.028	.018	.023	.023
Repairs and maintenance..	.042	.022	.025	.010	.016	.020
Cotton insurance.....	.018	.019	.016	.016	.007	.017
Licenses and bonds.....	.006	.001	.004	.003	.005	.003
Other utilities.....	.022	.010	.015	.016	.008	.012
Home office.....	.011	.047	.015	.012	--	.030
Warehouse supplies.....	.003	.011	.009	.010	.010	.010
Office supplies.....	.006	.004	.014	.002	.007	.006
Claims.....	.003	.011	.002	.004	.003	.007
Transportation expense..	.010	.001	.006	--	--	.002
Other.....	.035	.009	.011	.006	.029	.011
Interest, working capital.....	.008	.005	.008	.006	.009	.006
Total variable costs..	.441	.363	.426	.288	.428	.370
Total fixed and variable costs.....	.565	.518	.724	.599	.857	.600

1/ See footnotes to table 5 for explanation of various cost items.

Note: See table 1 for delineation of areas.

Note: Individual costs may not always add to the totals due to rounding.

Table 12--Storage: Estimated cost per bale of cotton per month at selected compresses, by area and United States, fiscal 1973-74

Cost item 1/	Area					
	South-	South	South-	West	Ports	United
	east	Central	west			States
	----- Dollars per bale -----					
Fixed costs:						
Depreciation.....	0.143	0.103	0.203	0.109	0.193	0.133
Insurance.....	.009	.009	.015	.014	.019	.013
Taxes.....	.023	.023	.029	.054	.062	.032
Interest on investment...	.106	.079	.119	.098	.088	.092
Total fixed costs.....	.279	.215	.366	.276	.372	.270
Variable costs:						
Personnel expenses.....	.303	.224	.309	.209	.351	.250
Handling equipment.....	.012	.025	.030	.020	.025	.025
Repairs and maintenance..	.049	.025	.029	.011	.019	.024
Cotton insurance.....	.020	.022	.018	.018	.008	.020
Licenses and bonds.....	.006	.001	.005	.003	.005	.003
Other utilities.....	.024	.011	.017	.018	.009	.014
Home office.....	.012	.050	.016	.012	--	.032
Warehouse supplies.....	.003	.012	.010	.010	.011	.011
Office supplies.....	.006	.005	.015	.003	.008	.007
Claims.....	.003	.011	.003	.004	.003	.007
Transportation expense..	.010	.002	.006	--	--	.002
Other.....	.037	.010	.012	.006	.031	.012
Interest, working capital.....	.008	.006	.008	.006	.009	.007
Total variable costs...	.493	.404	.477	.322	.479	.412
Total fixed and variable costs.....	.772	.619	.843	.597	.851	.682

1/ See footnotes to table 5 for explanation of various cost items, and footnotes to table 6 for basic assumptions.

Note: See table 1 for delineation of areas.

Note: Individual costs may not always add to the totals due to rounding.

Table 13--Breakout: Estimated cost per bale of cotton at selected warehouses,
by area and United States, fiscal 1971-72

Cost item <u>1/</u>	Area			
	South- east	South Central	South- west	United States
	- - - - - Dollars per bale - - - - -			
Fixed costs:				
Depreciation.....	0.031	0.023	0.030	0.029
Insurance.....	.030	.008	.014	.021
Taxes.....	.035	.012	.030	.028
Total fixed costs.....	.097	.044	.074	.079
Variable costs:				
Personnel expenses.....	.604	.205	.237	.422
Handling equipment.....	.044	.026	.034	.037
Warehouse supplies.....	.018	.014	.016	.016
Interest, working capital.....	.019	.009	.010	.014
Total variable costs.....	.685	.254	.296	.490
Total fixed and variable costs...	.781	.297	.368	.568

1/ See footnotes to table 5 for explanation of various cost items.

Note: See table 1 for delineation of areas.

Note: Individual costs may not always add to the totals due to rounding.

Table 14--Breakout: Estimated cost per bale of cotton at selected warehouses, by area and United States, fiscal 1973-74

Cost item <u>1/</u>	Area			
	South- east	South Central	South- west	United States
	- - - - - Dollars per bale - - - - -			
Fixed costs:				
Depreciation.....	.033	.024	.030	.030
Insurance.....	.034	.009	.015	.024
Taxes.....	.040	.014	.034	.012
Total fixed costs.....	.106	.048	.080	.086
Variable costs:				
Personnel expenses.....	.683	.231	.268	.477
Handling equipment.....	.047	.028	.036	.040
Warehouse supplies.....	.019	.015	.017	.018
Interest, working capital.....	.020	.009	.010	.015
Total variable costs.....	.769	.283	.331	.550
Total fixed and variable costs...	.876	.331	.410	.636

1/ See footnotes to table 5 for explanation of various cost items, and footnotes to table 6 for basic assumptions.

Note: See table 1 for delineation of areas.

Note: Individual costs may not always add to the totals due to rounding.

Table 15--Breakout: Estimated cost per bale of cotton at selected compresses, by area and United States, fiscal 1971-72

Cost item <u>1/</u>	Area					
	South- east	South Central	South- west	West	Ports	United States
	----- Dollars per bale -----					
Fixed costs:						
Depreciation.....	0.025	0.027	0.019	0.021	0.017	0.023
Insurance.....	.013	.015	.018	.017	.025	.017
Taxes.....	.033	.040	.037	.090	.051	.048
Total fixed costs.....	.071	.082	.075	.127	.092	.089
Variable costs:						
Personnel expenses.....	.390	.362	.198	.184	.332	.295
Handling equipment.....	.024	.052	.031	.033	.043	.042
Warehouse supplies.....	.006	.012	.014	.008	.020	.013
Interest, working capital.....	.014	.014	.008	.008	.012	.012
Total variable costs...	.433	.440	.251	.232	.406	.361
Total fixed and variable costs.....	.504	.522	.325	.360	.498	.449

1/ See footnotes to table 5 for explanation of various cost items.

Note: See table 1 for delineation of areas.

Note: Individual costs may not always add to the totals due to rounding.

Table 16--Breakout: Estimated cost per bale of cotton at selected compresses, by Area and United States, fiscal 1973-74

Cost item 1/	Area					
	South- east	South Central	South- west	West	Ports	United States
	----- Dollars per bale -----					
Fixed costs:						
Depreciation.....	0.026	0.029	0.020	0.022	0.018	0.024
Insurance.....	.014	.017	.021	.019	.027	.019
Taxes.....	.038	.045	.042	.102	.058	.055
Total fixed costs...	.078	.090	.083	.143	.103	.098
Variable costs:						
Personnel expenses....	.440	.409	.224	.207	.375	.333
Handling equipment....	.026	.056	.033	.035	.046	.045
Warehouse supplies....	.006	.013	.015	.008	.022	.013
Interest, working capital.....	.015	.015	.008	.008	.012	.012
Total variable costs.....	.487	.494	.280	.259	.454	.404
Total fixed and variable costs.....	.565	.584	.363	.401	.557	.502

1/ See footnotes to table 5 for explanation of various cost items, and footnotes to table 6 for basic assumptions.

Note: See table 1 for delineation of areas.

Note: Individual costs may not always add to the totals due to rounding.

Table 17--Shipping: Estimated cost per bale of cotton at selected warehouses, by area and United States, fiscal 1971-72

Cost item <u>1/</u>	Area			
	South- east	South Central	South- west	United States
	----- Dollars per bale -----			
Fixed costs:				
Depreciation.....	0.106	0.034	0.051	0.076
Insurance.....	.018	.004	.009	.012
Taxes.....	.020	.008	.022	.018
Leases and rentals.....	.012	.011	.005	.010
Interest on investment.....	.284	.076	.186	.211
Total fixed costs.....	.439	.133	.273	.327
Variable costs:				
Personnel expenses.....	.735	.216	.292	.506
Handling equipment.....	.040	.018	.039	.034
Repairs and maintenance.....	.018	.005	.004	.012
Other utilities.....	.083	.022	.041	.058
Home office.....	--	.040	.076	.027
Warehouse supplies.....	.020	.018	.016	.019
Office supplies.....	.048	.009	.042	.037
Transportation expense.....	.054	.011	.008	.033
Other.....	.018	.040	.046	.030
Interest, working capital.....	.019	.008	.012	.015
Total variable costs.....	1.035	.388	.573	.771
Total fixed and variable costs....	1.474	.522	.847	1.097

1/ See footnotes to table 5 for explanation of various cost items.

Note: See table 1 for delineation of areas.

Note: Individual costs may not always add to the totals due to rounding.

Table 18--Shipping: Estimated cost per bale of cotton at selected warehouses, by area and United States, fiscal 1973-74

Cost item 1/	Area			
	South- east	South Central	South- west	United States
	----- Dollars per bale -----			
Fixed costs:				
Depreciation.....	0.134	0.056	0.072	0.101
Insurance.....	.020	.004	.010	.014
Taxes.....	.023	.009	.015	.020
Interest on investment.....	.507	.028	.370	.408
Total fixed costs.....	.684	.097	.457	.542
Variable costs:				
Personnel expenses.....	.830	.244	.530	.572
Handling equipment.....	.044	.020	.039	.037
Repairs and maintenance.....	.020	.006	.005	.013
Other utilities.....	.091	.024	.045	.064
Home office.....	--	.043	.081	.029
Warehouse supplies.....	.021	.020	.017	.020
Office supplies.....	.051	.009	.045	.040
Transportation expense.....	.058	.012	.008	.035
Other.....	.020	.043	.049	.032
Interest, working capital.....	.020	.008	.011	.015
Total variable costs.....	1.156	.429	.652	.858
Total fixed and variable costs....	1.840	.727	1.109	1.400

1/ See footnotes to table 5 for explanation of various cost items, and footnotes to table 6 for basic assumptions.

Note: See table 1 for delineation of areas.

Note: Individual costs may not always add to the totals due to rounding.

Table 19--Shipping: Estimated cost per bale of cotton at selected compresses, by area and United States, fiscal 1971-72

Cost item <u>1/</u>	Area					
	South- east	South Central	South- west	West	Ports	United States
	----- Dollars per bale -----					
Fixed costs:						
Depreciation.....	0.037	0.036	0.036	0.038	0.033	0.036
Insurance.....	.010	.011	.016	.010	.017	.013
Taxes.....	.025	.027	.034	.045	.033	.032
Leases and rentals.....	--	--	.006	.020	.007	.005
Interest on investment...	.075	.098	.132	.110	.167	.114
Total fixed costs.....	.148	.172	.224	.222	.256	.200
Variable costs:						
Personnel expenses.....	.238	.223	.274	.153	.158	.216
Handling equipment.....	.014	.028	.025	.016	.029	.025
Repairs and maintenance..	.002	.006	.002	.002	.001	.004
Other utilities.....	.048	.019	.031	.039	.021	.026
Home office.....	.017	.099	.042	.025	--	.061
Warehouse supplies.....	.007	.013	.018	.008	.027	.015
Office supplies.....	.013	.010	.026	.006	.015	.013
Transportation expense...	.017	.003	.016	.001	.001	.006
Other.....	.080	.019	.023	.013	.051	.024
Interest, working capital.....	.006	.007	.010	.005	.005	.007
Total variable costs...	.442	.428	.466	.268	.308	.398
Total fixed and variable costs.....	.590	.600	.690	.491	.564	.598

1/ See footnotes to table 5 for explanation of various cost items.

Note: See table 1 for delineation of areas.

Note: Individual costs may not always add to the totals due to rounding.

Table 20--Shipping: Estimated cost per bale of cotton at selected compresses, by area and United States, fiscal 1973-74

Cost item <u>1/</u>	Area					
	South- east	South Central	South- west	West	Ports	United States
	----- Dollars per bale -----					
Fixed costs:						
Depreciation.....	0.043	0.056	0.060	0.055	0.047	0.056
Insurance.....	.011	.012	.018	.012	.019	.014
Taxes.....	.029	.030	.039	.051	.037	.036
Interest on investment..	.365	.225	.369	.330	.306	.287
Total fixed costs.....	.448	.324	.486	.448	.409	.393
Variable costs:						
Personnel expenses.....	.269	.252	.310	.173	.178	.245
Handling equipment.....	.015	.030	.027	.017	.031	.027
Repairs and maintenance..	.002	.007	.002	.003	.001	.005
Other utilities.....	.053	.021	.034	.043	.023	.029
Home office.....	.019	.106	.045	.027	--	.065
Warehouse supplies.....	.007	.014	.019	.009	.029	.016
Office supplies.....	.014	.010	.028	.007	.016	.014
Transportation expense..	.018	.003	.018	.001	.001	.006
Other.....	.086	.020	.024	.014	.055	.026
Interest, working capital.....	.007	.008	.010	.005	.005	.007
Total variable costs...	.489	.473	.516	.298	.339	.440
Total fixed and variable costs.....	.938	.796	1.003	.745	.749	.833

1/ See footnotes to table 5 for explanation of various cost items, and footnotes to table 6 for basic assumptions.

Note: See table 1 for delineation of areas.

Note: Individual costs may not always add to the totals due to rounding.

Table 21--Standard-density compression: Estimated cost per bale of cotton at selected compresses, by area and United States, fiscal 1971-72

Cost item <u>1/</u>	Area					
	South- east	South Central	South- west	West	Ports	United States
	<u>Dollars per bale</u>					
Fixed costs:						
Depreciation.....	0.072	0.089	0.159	0.206	0.129	0.117
Insurance.....	.018	.006	.014	.013	.033	.009
Taxes.....	.045	.016	.029	.050	.114	.026
Leases and rentals.....	.001	.001	.019	.067	.005	.012
Interest on investment....	.084	.155	.270	.087	.600	.178
Total fixed costs.....	.220	.267	.490	.424	.881	.342
Variable costs:						
Personnel expenses.....	.715	.847	.836	.713	1.074	.832
Handling equipment.....	.009	.021	.017	.018	.034	.020
Repairs and maintenance..	.025	.038	.091	.098	.053	.055
Fuel, compress.....	.277	.117	.119	.127	.136	.122
Other utilities.....	.076	.030	.060	.057	.039	.040
Home office.....	.039	.151	.081	.041	--	.119
Warehouse supplies.....	.054	.186	.211	.184	.197	.186
Office supplies.....	.021	.018	.065	.013	.042	.026
Transportation expense....	.032	.004	.034	--	--	.009
Other.....	.092	.030	.032	.022	.202	.036
Interest, working capital.....	.019	.029	.029	.035	.033	.030
Total variable costs....	1.359	1.472	1.576	1.307	1.810	1.474
Total fixed and variable costs.....	1.579	1.738	2.066	1.731	2.691	1.816

1/ See footnotes to table 5 for explanation of various cost items.

Note: See table 1 for delineation of areas.

Note: Individual costs may not always add to the totals due to rounding.

Table 1--Standard-cotton compression: Estimated cost per bale of cotton at selected companies, by Area and United States, fiscal 1973-74

Cost item ^{1/}	Area					
	South- east	South Central	South- west	West	Ports	United States
	----- Dollars per bale -----					
Fixed costs:						
Depreciation.....	0.510	0.104	0.157	0.101	0.134	0.117
Insurance.....	.015	.005	.011	.011	.027	.008
Taxes.....	.038	.014	.014	.043	.097	.021
Interest on investment..	.372	.264	.559	.310	.689	.335
Total fixed costs.....	.736	.387	.751	.465	.948	.481
Variable costs:						
Personnel expenses.....	.808	.957	.945	.805	1.214	.941
Handling equipment.....	.010	.023	.018	.019	.037	.022
Repairs and maintenance..	.029	.044	.105	.113	.061	.064
Fuel, compress.....	.305	.128	.131	.139	.149	.134
Other utilities.....	.083	.033	.066	.062	.043	.044
Home office.....	.042	.162	.087	.044	--	.117
Warehouse supplies.....	.058	.198	.226	.197	.133	.172
Office supplies.....	.022	.019	.070	.014	.045	.028
Transportation expense..	.034	.005	.036	--	--	.010
Other.....	.099	.032	.034	.021	.216	.038
Interest, working capital.....	.021	.031	.030	.031	.035	.031
Total variable costs..	1.510	1.634	1.748	1.448	1.933	1.611
Total fixed and variable costs.....	2.246	2.021	2.500	1.913	2.881	2.093

^{1/} See footnotes to table 5 for explanation of various cost items, and footnotes to table 6 for basic assumptions.

Note: See table 1 for delineation of areas.

Note: Individual costs may not always add to the totals due to rounding.

Table 23--High-density compression: Estimated cost per bale of cotton at selected compresses, by area and United States, fiscal 1971-72

Cost item <u>1/</u>	Area				
	South Central	South- west	West	Ports	United States <u>2/</u>
----- Dollars per bale -----					
Fixed costs:					
Depreciation.....	0.109	0.183	0.153	0.109	0.142
Insurance.....	.006	.017	.054	.014	.021
Taxes.....	.015	.035	.028	.022	.026
Leases and rentals.....	--	.024	.019	.017	.016
Interest on investment....	.170	.278	.281	.404	.282
Total fixed costs.....	.301	.536	.535	.567	.487
Variable costs:					
Personnel expenses.....	1.365	1.019	.973	1.001	1.088
Handling equipment.....	.037	.020	.016	.032	.026
Repairs and maintenance....	.038	.116	.070	.064	.077
Fuel, compress.....	.175	.119	.164	.119	.141
Other utilities.....	.037	.059	.072	.034	.050
Home office.....	.182	.070	.068	--	.080
Warehouse supplies.....	.059	.135	.233	.160	.142
Office supplies.....	.014	.052	.007	.031	.030
Transportation expense....	.006	.042	.003	.001	.016
Other.....	.039	.037	.025	.139	.059
Interest, working capital.....	.048	.036	.039	.036	.039
Total variable costs....	1.998	1.706	1.669	1.617	1.748
Total fixed and variable costs.....	2.299	2.242	2.204	2.184	2.235

1/ See footnotes to table 5 for explanation of various cost items.

2/ Does not include compresses in the Southeastern area. No cotton reported as being compressed to high density during fiscal 1971-72.

Note: See table 1 for delineation of areas.

Note: Individual costs may not always add to the totals due to rounding.

Table 14--High-density compression: Estimated cost per bale of cotton at selected compresses, by area and United States, fiscal 1973-74

Cost item <u>1/</u>	Area				
	South Central	South- west	West	Ports	United States <u>2/</u>
	----- Dollars per bale -----				
Fixed costs:					
Depreciation.....	0.151	0.204	0.148	0.129	0.163
Insurance.....	.006	.017	.056	.015	.022
Taxes.....	.016	.037	.034	.024	.022
Interest on investment.....	.405	.678	.621	.581	.579
Total fixed costs.....	.578	.936	.859	.748	.786
Variable costs:					
Personnel expenses.....	1.542	1.152	1.099	1.132	1.230
Handling equipment.....	.040	.022	.017	.034	.028
Repairs and maintenance.....	.043	.134	.081	.074	.088
Fuel, compress.....	.192	.131	.181	.131	.155
Other utilities.....	.040	.065	.079	.037	.055
Home office.....	.195	.075	.072	--	.086
Warehouse supplies.....	.063	.145	.083	.172	.082
Office supplies.....	.015	.056	.007	.034	.032
Transportation expense.....	.006	.045	.003	.001	.017
Other.....	.041	.039	.027	.149	.063
Interest, working capital.....	.052	.037	.040	.037	.041
Total variable costs.....	2.230	1.900	1.688	1.799	1.876
Total fixed and variable costs.....	2.808	2.836	2.547	2.547	2.662

1/ See footnotes to table 5 for explanation of various cost items, and foot-
notes to table 6 for basic assumptions.

2/ Does not include compresses in the Southeastern area.

Note: See table 1 for delineation of areas.

Note: Individual costs may not always add to the totals due to rounding.

Table 25--Cotton supply and disposition, by month, 1971-72 crop year 1/

Item	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July
----- 1,000 bales -----												
Beginning stocks:												
In consuming establishments.....	1,641	1,503	1,264	1,082	1,032	1,237	1,340	1,603	1,816	1,911	1,867	1,684
Public storage and compress.....	2,211	1,712	1,498	3,971	6,468	6,559	6,342	5,160	4,048	3,266	2,581	2,005
Elsewhere.....	400	857	1,762	1,856	607	1,314	774	895	555	348	261	103
Total.....	4,252	4,072	4,524	6,909	8,107	9,110	8,456	7,658	6,419	5,525	4,709	3,792
Add:												
Production.....	578	1,532	3,176	2,111	2,131	315	253	--	--	--	--	51
Imports and city crop.....	41	2	37	1	16	--	--	6	3	3	2	--
Total.....	619	1,534	3,213	2,112	2,147	315	253	6	3	3	2	51
Grand total.....	4,871	5,606	7,737	9,021	10,254	9,425	8,709	7,664	6,422	5,528	4,711	3,843
Deduct:												
Exports.....	162	310	195	272	417	337	402	437	248	192	147	110
Domestic consumption.....	637	772	633	642	727	632	649	808	649	627	772	491
Total.....	799	1,082	828	914	1,144	969	1,051	1,245	897	819	919	601
Ending stocks.....	4,072	4,524	6,909	8,107	9,110	8,456	7,658	6,419	5,525	4,709	3,792	3,242

1/ Based on production of 10.3 million bales, domestic consumption of 8.0 million bales, and exports of 3.2 million bales. Monthly supply and disposition based primarily on official U.S. Department of Agriculture and U.S. Bureau of the Census reports.

Table 26--Estimated cotton supply and disposition based on 11.4-million-bale crop, by month, 1970-71

Item	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July
----- 1,000 bales -----												
Beginning stocks:												
In consuming establishments.....	2,123	1,982	1,669	1,353	1,290	1,549	1,696	2,075	2,448	2,674	2,779	2,644
Public storage and compresses.....	2,860	2,256	1,980	5,021	8,106	8,199	8,052	6,691	5,458	4,567	3,771	3,011
Elsewhere.....	517	1,133	2,332	2,358	762	1,639	988	1,162	744	486	111	61
Total.....	5,500	5,371	5,981	8,732	10,158	11,387	10,736	9,928	8,650	7,727	6,892	5,916
Add:												
Production.....	650	1,722	3,508	2,371	2,394	353	285	--	--	--	--	--
Imports and city crop.....	36	2	33	1	15	--	--	5	3	3	3	5
Total.....	686	1,724	3,601	2,372	2,409	353	285	5	3	3	3	5
Grand total.....	6,186	7,095	9,582	11,104	12,567	11,740	11,021	9,933	8,653	7,730	6,894	6,013
Deduct:												
Exports.....	175	336	210	298	451	364	437	473	270	206	161	119
Domestic consumption.....	640	778	640	648	729	640	656	810	656	632	777	494
Total.....	815	1,114	850	946	1,180	1,004	1,093	1,283	926	838	938	613
Ending stocks.....	5,371	5,981	8,732	10,158	11,387	10,736	9,928	8,650	7,727	6,892	5,956	5,400

1/ Estimates based on projected production of 11.4 million bales, domestic consumption of 8.1 million bales, and export of 3.5 million bales. Monthly supply and disposition relationships are estimated from historical trends.

Table 27--Estimated cotton supply and disposition based on 13.0-million-bale crop, by month, 1973-74 crop year 1/

Item	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July
----- 1,000 bales -----												
Beginning stocks:												
In consuming												
establishments.....	2,123	2,015	1,761	1,483	1,438	1,753	1,942	2,408	2,898	3,224	3,360	3,351
Public storage and												
compresses.....	2,860	2,294	2,090	5,500	9,037	9,280	9,216	7,764	6,463	5,508	4,649	3,993
Elsewhere.....	517	1,153	2,462	2,582	849	1,856	1,130	1,348	881	587	475	204
Total.....	5,500	5,462	6,313	9,565	11,324	12,889	12,288	11,520	10,242	9,319	8,484	7,548
Add:												
Production.....	741	1,963	4,069	2,704	2,730	403	325	--	--	--	--	65
Imports and												
city crop.....	36	2	33	1	15	--	--	5	3	3	2	--
Total.....	777	1,965	4,102	2,705	2,745	403	325	5	3	3	2	65
Grand total.....	6,277	7,427	10,415	12,270	14,069	13,292	12,613	11,525	10,245	9,322	8,486	7,613
Deduct:												
Exports.....	175	336	210	298	451	364	437	473	270	206	161	119
Domestic												
consumption.....	640	778	640	648	729	640	656	810	656	632	777	494
Total.....	815	1,114	850	946	1,180	1,004	1,093	1,283	926	838	938	613
Ending stocks.....	5,462	6,313	9,565	11,324	12,889	12,288	11,520	10,242	99,319	8,484	7,548	7,000

1/ Estimates based on projected production of 13.0 million bales, domestic consumption of 8.1 million bales, and exports of 3.5 million bales. Monthly supply and disposition relationships are estimated from historical trends.

Table 18--Volumes of Cotton stored in public storage and at compresses, by region and month, 1971-72 crop year 1/

Month	Region					Total
	South- east	South Central	South- west	West	Other	
----- <u>1,000</u> bales -----						
Volumes in storage, end of:						
August.....	377.0	568.7	526.7	238.1	2.0	1,712.5
September.....	303.0	496.0	463.0	234.7	1.3	1,498.0
October.....	662.6	2,274.3	466.9	562.9	4.7	3,971.4
November.....	1,020.6	3,610.9	566.5	1,261.4	8.2	6,467.6
December.....	1,066.8	3,057.4	1,105.9	1,319.5	9.5	6,559.1
January.....	1,007.9	2,512.7	1,583.0	1,231.1	7.8	6,342.5
February.....	1,010.9	1,872.1	1,367.1	903.7	6.2	5,160.0
March.....	980.8	1,282.5	1,140.9	638.0	5.5	4,047.7
April.....	902.2	912.4	990.8	455.3	5.2	3,265.9
May.....	771.9	621.8	843.6	339.7	3.8	2,580.8
June.....	616.5	480.8	683.4	222.7	2.5	2,005.1
July.....	491.1	341.0	615.3	165.8	1.1	1,614.3

1/ Based on production of 10.3 million bales. Monthly volumes in storage by region obtained from Current Industrial Report, Series M22P, U.S. Bureau of the Census (monthly).

Table 29--Estimated volumes of cotton stored in public storage and at compresses based on 11.4-million-bale crop, by region and month, 1973-74 crop year 1/

Month	Region					Total
	South- east	South Central	South- west	West	Other	
<hr/>						
	<hr/>					
Volumes in storage, end of:						
August.....	496.3	749.0	694.8	313.6	2.3	2,256.0
September.....	400.0	655.4	611.8	310.8	2.0	1,980.0
October.....	838.5	2,877.0	587.5	713.0	5.0	5,021.0
November.....	1,280.7	4,523.2	713.3	1,580.7	8.1	8,106.0
December.....	1,336.4	3,820.7	1,385.7	1,648.0	8.2	8,199.0
January.....	1,280.3	3,188.6	2,013.0	1,562.1	8.0	8,052.0
February.....	1,311.5	2,428.8	1,773.1	1,170.9	6.7	6,691.0
March.....	1,320.8	1,730.2	1,539.2	862.4	5.4	5,458.0
April.....	1,260.5	1,274.2	1,388.4	639.3	4.6	4,567.0
May.....	1,129.3	910.2	1,235.1	498.6	3.8	3,777.0
June.....	967.4	753.1	1,077.6	349.8	3.1	3,151.0
July.....	853.6	592.5	1,069.9	289.2	2.8	2,808.0

1/ Based on an estimated production of 11.4 million bales. Monthly volumes in storage by region estimated from historical trends.

Table 3--Estimated volumes of cotton stored in public storage and at compresses based on 13.0-million-bale crop, by region and month, 1973-74 crop year 1/

Month	Region					Total
	South- east	South Central	South- west	West	Other	
<hr/>						
	<hr/>					
Volumes in storage, end of:						
August.....	504.7	761.5	706.6	318.9	2.3	2,294.0
September.....	422.2	691.8	645.8	328.1	2.1	2,090.0
October.....	918.5	3,151.5	643.5	781.0	5.5	5,500.0
November.....	1,427.9	5,042.6	795.3	1,762.2	9.0	9,037.0
December.....	1,512.6	4,324.5	1,568.3	1,865.3	9.3	9,280.0
January.....	1,465.4	3,649.5	2,304.0	1,787.9	9.2	9,216.0
February.....	1,521.7	2,818.3	2,057.5	1,358.7	7.8	7,764.0
March.....	1,564.0	2,048.8	1,822.6	1,021.1	6.5	6,463.0
April.....	1,520.2	1,536.7	1,674.5	771.1	5.5	5,508.0
May.....	1,390.1	1,120.4	1,520.2	613.7	4.6	4,649.0
June.....	1,225.9	954.3	1,365.6	443.2	4.0	3,993.0
July.....	1,106.6	768.0	1,386.9	374.9	3.6	3,640.0

1/ Based on an estimated production of 13.0 million bales. Monthly volumes in storage by region estimated from historical trends.

Table 31--Cotton warehouses and compresses: Number, storage capacity, and size group, by area and United States, fiscal 1970-71 and 1971-72

Area and bale capacity group	Number of plants		Capacity of plants	
	1970-71	1971-72	1970-71	1971-72
	Number		1,000 bales	
<u>Warehouses</u>				
Southeast:				
5,000 or less.....	207	177	582.8	498.1
5,001-15,000.....	169	149	1,473.8	1,292.9
15,001-25,000.....	23	19	454.5	376.2
25,001-50,000.....	22	19	696.9	615.2
50,001 and greater.....	8	6	563.2	480.9
Total.....	429	370	3,771.2	3,263.3
South Central:				
5,000 or less.....	4	2	14.8	7.4
5,001-15,000.....	19	19	191.6	207.8
15,001-25,000.....	7	7	145.0	153.0
25,001-50,000.....	7	3	217.6	101.5
50,001 and greater.....	1	2	324.5	348.5
Total.....	38	33	893.5	818.2
Southwest:				
5,000 or less.....	10	9	32.6	27.6
5,001-15,000.....	23	18	241.0	200.5
15,001-25,000.....	17	15	368.8	315.8
25,001-50,000.....	10	12	328.6	413.8
50,001 and greater.....	2	4	159.0	287.2
Total.....	62	58	1,130.0	1,244.9
Total warehouses.....	529	464	5,794.7	5,326.4
<u>Compresses</u>				
Southeast:				
50,000 or less.....	2	1	77.5	50.0
50,001-100,000.....	8	7	563.4	443.5
100,001 and greater.....	0	0	0	0
Total.....	10	8	640.9	493.5
South Central:				
50,000 or less.....	50	55	1,850.5	1,889.8
50,001-100,000.....	46	41	3,187.1	2,805.1
100,001 and greater.....	14	15	2,690.7	2,737.8
Total.....	110	111	7,728.3	7,432.7
Southwest:				
50,000 or less.....	38	32	1,125.5	1,058.5
50,001-100,000.....	19	16	1,356.2	1,175.5
100,001 and greater.....	9	10	1,518.7	1,503.7
Total.....	66	58	4,000.4	3,737.7
West:				
50,000 or less.....	12	11	492.5	420.5
50,001-100,000.....	7	6	450.8	353.8
100,001 and greater.....	6	6	1,376.2	1,346.2
Total.....	25	23	2,319.5	2,120.5
Ports:				
50,000 or less.....	2	3	54.0	91.5
51,001-100,000.....	9	5	699.5	424.0
100,001 and greater.....	4	5	698.3	880.8
Total.....	15	13	1,451.8	1,396.3
Total compresses.....	226	213	16,140.9	15,180.7
Total, all plants.....	755	674	21,935.6	20,507.1

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