



AgEcon SEARCH
RESEARCH IN AGRICULTURAL & APPLIED ECONOMICS

The World's Largest Open Access Agricultural & Applied Economics Digital Library

This document is discoverable and free to researchers across the globe due to the work of AgEcon Search.

Help ensure our sustainability.

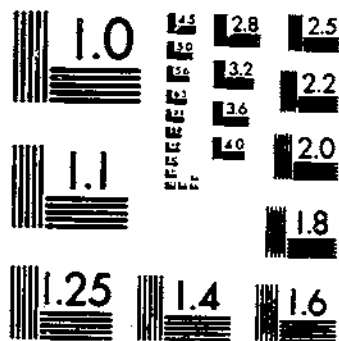
Give to AgEcon Search

AgEcon Search
<http://ageconsearch.umn.edu>
aesearch@umn.edu

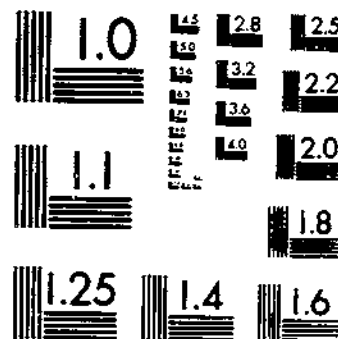
*Papers downloaded from **AgEcon Search** may be used for non-commercial purposes and personal study only. No other use, including posting to another Internet site, is permitted without permission from the copyright owner (not AgEcon Search), or as allowed under the provisions of Fair Use, U.S. Copyright Act, Title 17 U.S.C.*

SB 577 (1977) USDA STATISTICAL BULLETINS UPDATA
CHARGES FOR GINN FINGER COTTON AND SELECTED SERVICES, 1971/72 - 1975/76
BOUNDS, FEE, CLEVELAND, OHIO, JR. GHETTI, J.E. 1 OF 1

START



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

630.5
53-13

ST

CHARGES FOR GINNING COTTON AND SELECTED SERVICES, 1971/72—1975/76 SEASONS

DEPOSITORY

AUG 22 1977

Los Angeles Public Library

Economic Research Service
U.S. Department of Agriculture

Statistical Bulletin No. 577

U.S. DEPARTMENT OF AGRICULTURE

CHARGES FOR GINNING COTTON AND SELECTED SERVICES, 1971/72-1975/76 SEASONS.
By Joseph L. Ghetty, O.A. Cleveland, Jr., and Frances E. Bounds, Commodity
Economics Division, Economic Research Service. Statistical Bulletin No. 577.

ABSTRACT

Total charges paid by producers for ginning services averaged almost \$274 million per season from 1971/72 to 1975/76. Charges for bagging and ties rose from \$6.04 to \$8.84 per bale, or by slightly over 46 percent. The continuing increase in use of auxiliary equipment and further mechanization of the ginning process partly accounted for the rise in ginning charges. Also responsible was an increase in the number of pounds of seed cotton required to produce a bale of lint. Weights of machine-stripped cotton required per bale exceeded those of machine-picked cotton from 807 to 1,232 pounds during the period from 1971/72 to 1975/76. In 1975/76, about 21 percent of all gins had one stage of drying, 71 percent had two stages, and 8 percent had three or more stages.

Keywords: Cotton, ginning, harvesting, production, storage, charges, bagging and ties, driers.

PREFACE

This report summarizes annual ginning charge data for the 1971/72-1975/76 seasons. These data are published jointly by the Economic Research Service and the Agricultural Marketing Service, and were published by predecessor agencies in the past. Summaries are normally published at 5-year intervals. Summaries for the 1928/29-1954/55 period were published in 1937, 1942, 1947, and 1956. The last summary published covered 1955/56-1970/71, and was published in 1972. The Cotton Branch of the Production and Marketing Administration collected and reported information prior to the 1953/54 season.

The authors appreciate the efforts of personnel of the Cotton Division, Agricultural Marketing Service, in selecting representative ginners for interview and for collecting, reviewing, and making the information available for publication. Appreciation is also expressed to the many ginners throughout the Cotton Belt who provided information necessary for completion of the report.

TABLES

<u>Number</u>		<u>Page</u>
1	Average charge per 480-pound bale of upland cotton, by region, United States, 1971/72-1975/76 seasons.....	3
2	Percentage of upland cotton harvested by various methods, United States, 1971/72-1975/76 seasons.....	3
3	Cotton production, number of active gins, and average volume per gin, United States, 1971/72-1975/76 seasons.....	3
4	Volume of saw-ginned upland cotton in running bales, by State and region, 1971/72-1975/76 seasons.....	4
5	Proportionate use of three methods of assessing ginning charges, by State and region, 1975/76 season.....	5
6	Estimated average charge per bale for ginning upland cotton, by State and region, 1971/72-1975/76 seasons.....	6
7	Average charges for ginning upland cotton, farm value of cotton-seed and cotton lint, percentage of farm values represented by ginning charges, United States, 1971/72-1975/76 seasons.....	7
8	Average charge for bagging and ties, when assessed separately, per 480-pound bale of upland cotton, by region, 1971/72-1975/76 seasons.....	7
9	Five-year average charge for ginning and bagging and ties, and percentage of ginning charge represented by bagging and ties charges, by State and region, 1971/72-1975/76 seasons...	8
10	Production and average charge per bale for ginning and wrapping American Pima cotton, United States, 1971/72-1975/76 seasons..	9
11	Hand-picked cotton: Average amount of seed cotton required per bale of upland cotton, by State, 1971/72-1975/76 seasons..	10
12	Hand-snapped cotton: Average amount of seed cotton required per bale of upland cotton, by State, 1971/72-1975/76 seasons	11
13	Machine-picked cotton: Average amount of seed cotton required per bale of upland cotton, by State, 1971/72-1975/76 seasons...	12
14	Machine-stripped and machine-scraped cotton: Average amount of seed cotton required per bale of upland cotton, United States, 1971/72-1975/76 seasons.....	13

<u>Number</u>		<u>Page</u>
15	Driers: Number of gin batteries and stages of drying, by State and region, 1963, 1969, and 1975.....	14
16	Proportion of gins with specified equipment, by region, 1961/62, 1969/70, and 1975/76 seasons.....	15
17	Number of gin batteries and stages of lint cleaning by State and region, 1963, 1969, and 1975.....	16
18	Mechanical samplers: Number of gins, and number and percentage of gins with mechanical samplers, United States, 1960/61-1975/76 seasons.....	17
19	Proportion of cotton purchased by ginner, by State and region, 1960/61-1975/76 seasons.....	18
20	Receiving, storing, and compressing: Average charges per 480-pound bale of upland cotton, United States, 1971/72-1975/76 seasons	19

CHARGES FOR GINNING COTTON AND SELECTED SERVICES,
1971/72-1975/76 SEASONS

by

Joseph L. Ghatti, O. A. Cleveland, Jr., and Frances E. Bounds 1/

As a cost item to cotton growers, charges for ginning are significant. Estimated total charges paid for ginning services averaged almost \$274 million annually during the 1971/72-1975/76 seasons. Seasonal charges during the 6-year period ranged from \$205 million in 1971/72 to an all-time high of \$317 million in 1974/75. Average charges for bagging and ties rose from \$6.04 to \$8.84 per bale during the period, with the Southwest showing the greatest increase, from \$6.87 to \$10.05.

Numerous factors, both measurable and immeasurable, have an impact on what growers pay for ginning services. They include: (1) the level of economic or business conditions and their general relation to wages and prices; (2) capacity of the gin and volume ginned; (3) types of ginning equipment and the manner and extent of use; (4) harvesting methods; (5) weight of seed cotton per bale of lint; and (6) the declining number of active gins. The continuing increase in the use of auxiliary equipment and the increasing mechanization of the ginning process have increased the charges for ginning by requiring more capital investment, labor, repairs, and increased consumption of energy.

The production of American Pima cotton has continued to be erratic, alternately declining and increasing, and in 1975/76 reached its lowest level (53,671 bales) since the 1961/62 season. The charge for ginning and wrapping Pima cotton increased from \$29.60 per bale in 1971/72 to \$41.16 in 1975/76--an increase of \$11.56 per bale.

The amount of hand-picked, hand-snapped, and machine-picked seed cotton required to produce a 480-pound bale of upland cotton showed little year-to-year variation within categories. For hand-picked cotton, 1,414 pounds were required in 1971/72, 1,330 pounds in 1972/73, and 1,454 pounds in 1975/76.

1/ Agricultural economists and statistical assistant, respectively, Fibers and Oils Program Area, Commodity Economics Division, Economic Research Service, stationed at Stoneville, Mississippi.

Average requirements for hand-snapped cotton were 2,104 pounds in 1971/72, 1,973 pounds in 1973/74, and 2,076 pounds in 1975/76. Requirements for machine-picked cotton were 1,490 pounds in 1971/72, a low of 1,445 pounds in 1973/74, and a high of 1,502 pounds in 1975/76. From 1971/72 to 1975/76, the average amount of machine-stripped seed cotton needed to produce a bale exceeded that of machine-picked cotton by 807-1,232 pounds per season. For machine-scraped cotton (which accounts for about 1 percent of the total), average requirements were 2,235 pounds of seed cotton in 1971/72 and 2,309 in 1975/76; the high point during this period was 2,370 pounds in 1974/75.

Seed cotton driers were once found only in relatively elaborately equipped gins, but have become standard equipment since the early 1950's. In the 1975/76 season, about 21 percent of all U.S. gins had one drier, 71 percent had two driers, and 8 percent had three or more.

Most gin batteries in the United States are equipped with one or more stages of lint cleaning equipment. Their use is greatest in the West, where about 92 percent of all gin batteries are equipped with two or more stages of lint cleaners. In other regions, proportions of gins using two or more stages of cleaning equipment ranged from 75 percent in the Southeast to slightly over 87 percent in the South Central region.

Automatic sampling of ginned lint during ginning has become a reality; however, due to industry indifference and the trade's preference for fresh samples, this practice has not been widely adopted. Gins with mechanical samplers numbered 203 in 1966/67, but had decreased to 139 in 1969/70. With the advent of high-capacity gins, and the acceptance of gin universal density bales, installation of mechanical samplers increased and reached a peak of 279 in 1975/76.

Per bale charges for receiving, storing, and compressing rose substantially from 1971/72 to 1975/76. Charges for receiving increased from \$1.06 to \$1.36, and storage per month rose from 66 cents to 94 cents. Compression to standard density increased from \$2.25 to \$3.55, and universal density compression charges rose from \$2.72 in 1973/74 to \$3.58 in 1975/76.

Table 1--Average charge per 480-pound bale of upland cotton, by region, United States, 1971/72-1975/76 seasons

Season	Southeast	South Central	Southwest	West
	<u>Dollars</u>			
1971/72.....	16.83	18.68	23.10	23.13
1972/73.....	18.06	19.27	22.96	22.56
1973/74.....	21.25	22.58	25.36	23.61
1974/75.....	25.53	29.41	32.71	28.22
1975/76.....	25.35	29.15	39.42	29.33

Table 2--Percentage of upland cotton harvested by various methods, United States, 1971/72-1975/76 seasons

Season	Cotton harvested as--				
	Hand-picked	Hand-snapped	Machine-picked	Machine-stripped	Machine-scraped
	<u>Percent</u>				
1971/72.....	1/	1/	75	23	1
1972/73.....	1/	1/	70	29	1
1973/74.....	1/	1/	63	36	1
1974/75.....	1/	1/	79	20	1
1975/76.....	1/	1/	70	29	1

1/ Less than 0.5 percent.

Table 3--Cotton production, number of active gins, and average volume per gin, United States, 1971/72-1975/76 seasons

Season	Cotton production 1/	Active gins	Average volume per gin
	<u>Bales</u>	<u>Number</u>	<u>Bales</u>
1971/72.....	13,269,389	3,619	3,667
1972/73.....	12,610,998	3,516	3,587
1973/74.....	11,328,391	3,280	3,454
1974/75.....	8,151,223	3,219	2,532
1975/76.....	9,825,690	2,857	3,439

1/ Includes American Pima.

Source: Cotton Ginnings in the United States--Crop of 1975, Bureau of the Census.

Table 4--Volume of saw-ginned upland cotton in running bales, by State and region, 1971/72-1975/76 seasons

State and region	1971/72	1972/73	1973/74	1974/75	1975/76	Average
	1,000 bales					
Alabama.....	630	556	442	510	302	488
Georgia.....	356	338	377	396	138	320
North Carolina.....	137	120	165	131	45	120
South Carolina.....	269	295	287	265	92	242
Southeast.....	1,392	1,309	1,271	1,302	577	1,170
Arkansas.....	1,211	1,396	1,014	864	671	1,031
Louisiana.....	588	686	508	545	338	533
Mississippi.....	1,637	1,926	1,733	1,542	1,009	1,569
Missouri.....	393	426	177	228	189	283
Tennessee.....	509	523	424	303	208	393
South Central.....	4,338	4,957	3,856	3,482	2,415	3,809
Oklahoma.....	169	315	411	308	173	275
Texas.....	2,496	4,069	4,470	2,499	2,369	3,181
Southwest.....	2,665	4,384	4,881	2,807	2,542	3,456
Arizona.....	460	591	605	970	555	636
California.....	1,120	1,761	1,755	2,570	1,930	1,827
New Mexico.....	120	151	133	140	65	122
West.....	1,700	2,503	2,493	3,680	2,550	2,585
United States.....	10,095	13,153	12,501	11,222	8,152	11,024

NOTE: Area totals will not add to U.S. totals because some roller-ginned upland cotton and production from Illinois, Kentucky, Florida, Nevada, and Virginia are included in U.S. totals, but excluded from area totals. Also excluded is the American Pima production.

Table 5--Proportionate use of three methods of assessing ginning charges, by State and region, 1975/76 season

State and region	Method of assessing ginning charge		
	Per bale	Per cwt. lint	Per cwt. seed cotton
	<u>Percent</u>		
Alabama.....	51.9	48.1	--
Georgia.....	4.4	95.6	--
North Carolina.....	--	100.0	--
South Carolina.....	--	100.0	--
Southeast.....	28.2	71.8	--
Arkansas.....	23.0	35.2	41.8
Louisiana.....	--	97.1	2.9
Mississippi.....	2.2	97.8	--
Missouri.....	70.4	--	29.6
Tennessee.....	90.7	1.8	7.5
South Central.....	20.9	64.2	14.9
Oklahoma.....	--	--	100.0
Texas.....	2.9	.7	96.4
Southwest.....	2.7	.7	96.6
Arizona.....	--	--	100.0
California.....	--	--	100.0
New Mexico.....	--	--	100.0
West.....	--	--	100.0
United States.....	9.1	24.5	66.4

-- Indicates less than 0.05 percent, or none assessed by this method.

Table 6--Estimated average charge per bale for ginning upland cotton, by State and region, 1971/72-1975/76 seasons

State and region	1971/72	1972/73	1973/74	1974/75	1975/76	Average charge
	<u>Dollars</u>					
Alabama.....	15.96	17.02	19.10	23.80	23.47	19.34
Georgia.....	16.53	17.33	20.12	23.81	24.40	20.01
North Carolina.....	19.63	19.90	24.45	28.10	30.02	23.65
South Carolina.....	17.82	20.12	24.23	30.18	30.64	23.59
Southeast.....	16.83	18.06	21.25	25.53	25.35	20.84
Arkansas.....	20.16	19.72	22.74	31.23	30.39	23.73
Louisiana.....	18.15	19.10	21.86	28.53	29.08	22.61
Mississippi.....	17.13	18.01	21.03	28.10	27.81	21.74
Missouri.....	21.98	24.29	26.65	33.31	32.32	26.47
Tennessee.....	18.29	18.81	27.71	29.50	28.86	23.30
South Central.....	18.68	19.27	22.58	29.41	29.15	22.91
Oklahoma.....	21.42	19.16	22.79	28.77	32.50	24.35
Texas.....	23.21	23.26	25.60	33.20	39.92	27.95
Southwest.....	23.10	22.96	25.36	32.71	39.42	27.66
Arizona.....	21.92	21.72	23.47	26.55	29.35	24.88
California.....	23.80	23.06	23.50	28.64	29.00	26.06
New Mexico.....	21.58	20.08	25.64	32.15	35.06	25.96
West.....	23.13	22.56	23.61	28.22	29.23	25.76
United States.....	20.33	21.01	23.74	29.38	32.13	24.85

Table 7--Average charges for ginning upland cotton, farm value of cottonseed and cotton lint, percentage of farm values represented by ginning charges, United States, 1971/72-1975/76 seasons

Season	:	Per 480-pound gross-weight bale				:		:		
	:	Charges	:	Farm value of 1/ --		:	Ginning	:	Ginning	
	:	for	:	:	Combined	:	charges as	:	charges as	
	:	ginning	:	Cotton-	Cotton	:	cotton-	:	percentage of	
	:	services	:	seed	lint	:	seed and	:	percentage of	
	:	:	:	:	:	lint	:	cottonseed	:	seed and lint
	:	:	:	:	:	values	:	value	:	
	:					:		:		
	:	<u>Dollars</u>				:		:	<u>Percent</u>	:
1971/72...	:	20.33	22.72	135.50	158.22	:	89.5	:	12.8	:
1972/73...	:	21.01	19.80	131.04	150.84	:	106.1	:	13.9	:
1973/74...	:	23.74	40.04	214.08	254.12	:	59.3	:	9.3	:
1974/75...	:	29.38	54.20	205.92	260.12	:	54.2	:	11.3	:
1975/76...	:	32.13	39.00	240.48	279.48	:	82.4	:	11.5	:
	:					:		:		:

1/ Data from Agricultural Statistics, USDA.

Table 8--Average charge for bagging and ties, when assessed separately, per 480-pound bale of upland cotton, by region, 1971/72-1975/76 seasons

Season	Average charge for bagging and ties in the --					
	South-east	South-Central	South-west	West	United States	
	Dollars					
1971/72.....	4.74	5.93	6.87	6.79	6.04	
1972/73.....	4.94	2/ 5.92	7.18	5.69	6.33	
1973/74.....	3/ 5.26	2/ 6.52	7.79	5.69	6.98	
1974/75.....	5.90	7.47	9.74	7.23	8.21	
1975/76.....	3/ 6.56	4/ 6.87	10.05	7.45	8.84	

1/ New Mexico only.

2/ Does not include Tennessee.

3/ Does not include Alabama.

4/ Does not include Tennessee and Mississippi.

Table 9--Five-year average charge for ginning and bagging and ties, and percentage of ginning charge represented by bagging and ties charges, by State and region, 1971/72-1975/76 seasons

State and region	Average charge per bale for--		Bagging and ties charges as percentage of total ginning charge
	Ginning	Bagging and ties	
	Dollars		Percent
Alabama.....	19.34	4.93	25.5
Georgia.....	20.01	5.11	25.5
North Carolina.....	23.65	5.72	24.2
South Carolina.....	23.59	5.44	23.1
Southeast.....	20.84	5.20	25.0
Arkansas.....	23.73	6.60	27.8
Louisiana.....	22.61	6.00	26.5
Mississippi.....	21.74	6.46	29.7
Missouri.....	26.47	6.54	24.7
Tennessee.....	23.30	1/	1/
South Central.....	22.91	6.44	28.1
Oklahoma.....	24.35	6.21	25.5
Texas.....	27.95	8.31	29.7
Southwest.....	27.66	8.14	29.4
Arizona.....	24.88	1/	1/
California.....	26.06	1/	1/
New Mexico.....	25.96	6.44	24.8
West.....	25.76	6.44	24.8
United States.....	24.85	7.03	28.3

1/ Insufficient data.

Table 10--Production and average charge per bale for ginning and wrapping
American Pima cotton, United States, 1971/72-1975/76 seasons

Season	Bales ginned	Average charge per 480-pound bale
	<u>Number</u>	<u>Dollars</u>
1971/72.....	95,800	29.60
1972/73.....	78,100	31.90
1973/74.....	90,200	32.73
1974/75.....	88,656	37.20
1975/76.....	53,671	41.16

Table 11--Hand-picked cotton: Average amount of seed cotton required per bale of upland cotton, by State, 1971/72-1975/76 seasons

State	1971/72	1972/73	1973/74	1974/75	1975/76
			<u>Pounds</u>		
Alabama.....	<u>1/</u>	1,333	1,307	<u>1/</u>	<u>1/</u>
Georgia.....	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>
North Carolina.....	1,449	<u>1/</u>	1,339	<u>1/</u>	<u>1/</u>
South Carolina.....	<u>1/</u>	1,331	1,566	<u>1/</u>	<u>1/</u>
Arkansas.....	1,460	1,384	1,356	1,368	1,427
Louisiana.....	1,464	1,275	<u>2/</u>	1,293	<u>2/</u>
Mississippi.....	1,331	1,250	1,243	1,388	<u>2/</u>
Missouri.....	1,465	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
Tennessee.....	1,385	<u>2/</u>	1,373	1,361	1,325
Oklahoma.....	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
Texas.....	1,561	1,489	1,459	1,541	1,601
Arizona.....	<u>2/</u>	1,427	<u>2/</u>	<u>2/</u>	<u>2/</u>
California.....	1,536	1,369	<u>2/</u>	<u>2/</u>	<u>2/</u>
New Mexico.....	1,468	1,504	1,348	1,510	1,407
United States.....	1,414	1,330	1,339	1,400	1,454

1/ Seed cotton not customarily weighed.

2/ Data unavailable, or insufficient.

Table 12--Hand-snapped cotton: Average amount of seed cotton required per bale of upland cotton, by State, 1971/72-1975/76 seasons

State	1971/72	1972/73	1973/74	1974/75	1975/76
	<u>Pounds</u>				
Arizona.....	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>
Arkansas.....	2,264	1,919	1,875	<u>1/</u>	<u>1/</u>
California.....	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>
Mississippi.....	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>
Missouri.....	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>
New Mexico.....	2,458	2,142	1,809	2,518	1,986
Oklahoma.....	2,215	1,980	1,909	1,923	2,908
Tennessee.....	1,923	<u>1/</u>	<u>1/</u>	2,161	<u>1/</u>
Texas.....	2,123	2,109	2,038	1,969	2,072
United States.....	2,104	2,094	1,973	2,058	2,076

1/ Insignificant proportion harvested by this method, or none.

Table 14--Machine-stripped and machine-scrapped cotton: Average amount of seed cotton required per bale of upland cotton, United States, 1971/72-1975/76 seasons

Season	Weight of seed cotton required	
	Machine-stripped	Machine-scrapped
	<u>Pounds</u>	
1971/72.....	2,712	2,235
1972/73.....	2,268	2,360
1973/74.....	2,132	2,370
1974/75.....	2,284	2,252
1975/76.....	2,734	2,309

Table 15--Driers: Number of gin batteries and stages of drying, by State and region, 1963, 1969, and 1975

State and region	Total gins			Number of gins having--								
				One-stage drying			Two-stage drying			Three or more stage drying		
	1963	1969	1975	1963	1969	1975	1963	1969	1975	1963	1969	1975
	Number											
Alabama.....	396	307	164	231	131	41	127	165	121	14	4	1
Florida.....	7	5	3	5	3	--	2	2	3	--	--	--
Georgia.....	318	230	107	143	86	26	117	128	70	335	15	11
North Carolina.....	253	142	<u>1/</u> 58	163	81	26	59	52	28	4	3	4
South Carolina.....	297	220	112	163	109	49	106	107	62	7	4	1
Virginia.....	13	8	--	2	4	--	3	--	--	--	--	--
Southeast.....	1,284	912	444	707	414	142	414	454	284	60	26	17
Arkansas.....	546	457	338	197	112	52	296	318	269	41	25	17
Louisiana.....	229	183	123	57	33	5	144	139	109	22	10	9
Mississippi.....	653	556	409	275	172	70	331	369	328	31	8	10
Missouri.....	157	115	97	23	11	7	129	100	88	4	4	2
Tennessee.....	281	228	158	76	51	28	145	138	107	54	36	23
South Central.....	<u>2/</u> 1,871	<u>3/</u> 1,541	1,125	628	379	162	1,045	1,064	901	152	83	61
Oklahoma.....	167	139	97	105	70	42	58	66	52	2	3	3
Texas.....	1,458	1,272	897	630	391	226	659	771	600	149	99	71
Southwest.....	1,625	1,411	994	735	461	268	717	837	652	151	102	74
Arizona.....	152	131	117	57	39	19	83	76	81	12	15	17
California.....	317	277	<u>4/</u> 244	14	8	5	193	208	172	110	62	67
New Mexico.....	77	64	46	32	29	16	26	28	28	17	5	2
West.....	<u>5/</u> 547	<u>5/</u> 473	407	103	76	40	302	312	281	139	82	86
United States.....	5,327	4,337	2,970	2,173	1,330	612	2,478	2,667	2,118	502	293	238

1/ Includes one gin in Virginia. 2/ Does not include two plants in Illinois and three in Kentucky. 3/ Does not include two plants in Illinois and Kentucky. 4/ Includes one battery in Nevada. 5/ Includes one plant in Nevada.
Source: Cotton Gin Equipment, Cotton Division, AMS, USDA.

Table 16--Proportion of gins with specified equipment, by region, 1961/62, 1969/70, and 1975/76 seasons

Region	Bur extractors			Stick machines		
	1961/62	1969/70	1975/76	1961/62	1969/70	1976/77
	<u>Percent</u>					
Southeast.....	26.0	34.5	32.4	20.4	54.1	72.1
South Central.....	50.4	44.4	35.7	24.6	45.6	58.2
Southwest.....	89.6	90.4	91.0	30.7	60.0	71.7
West.....	75.8	57.5	46.7	15.8	47.4	57.7
United States.....	59.0	58.5	55.3	24.6	52.2	64.7

Table 17--Number of gin batteries and stages of lint cleaning by State and region, 1963, 1969, and 1975

State and region	Total gins			Number of gins having--											
				One-stage lint cleaning			Two-stage lint cleaning			Three-stage lint cleaning			Four-stage lint cleaning		
	1963	1969	1975	1963	1969	1975	1963	1969	1975	1963	1969	1975	1963	1969	1975
Alabama.....	396	307	163	153	52	8	183	187	102	35	60	49	--	1	4
Florida.....	7	5	3	3	1	--	3	3	2	--	1	1	--	--	--
Georgia.....	318	230	107	126	63	12	125	132	76	28	30	19	--	--	--
North Carolina.....	253	142	1/ 58	139	68	18	46	51	29	2	11	11	--	--	--
South Carolina.....	297	220	110	114	66	24	109	108	62	23	40	23	--	2	1
Virginia.....	13	8	--	1	2	--	--	2	--	--	--	--	--	--	--
Southeast.....	1,284	912	1/441	536	252	62	466	483	271	88	142	103	--	3	5
Arkansas.....	546	457	338	180	100	56	273	272	212	74	79	65	--	5	5
Louisiana.....	229	183	123	53	27	5	128	110	81	39	44	35	--	2	2
Mississippi.....	653	556	409	224	125	56	357	363	282	37	61	70	--	--	1
Missouri.....	157	115	97	19	8	4	102	62	52	35	44	40	--	--	1
Tennessee.....	281	228	158	74	23	11	166	138	90	35	63	53	--	3	4
South Central.....	1,871	1,541	1,125	550	283	132	1,026	945	717	220	291	263	--	10	13
Oklahoma.....	167	139	97	84	60	39	76	78	58	3	--	--	--	--	--
Texas.....	1,458	1,272	894	433	328	195	796	765	624	179	158	68	--	6	7
Southwest.....	1,625	1,411	991	517	388	234	872	843	682	182	158	68	--	6	7
Arizona.....	152	131	117	12	8	10	97	81	69	43	34	32	--	8	6
California.....	317	277	244	12	1	1	218	178	146	87	93	88	--	6	9
New Mexico.....	77	64	46	13	7	5	41	39	27	20	17	12	1	--	2
West.....	547	473	407	37	16	16	356	298	242	150	144	132	1	14	17
United States.....	5,327	4,337	2,964	1,640	939	444	2,720	2,569	1,912	640	735	566	1	33	42

1/ Includes one gin in Virginia.

Source: Adapted from various statistical reports of the Cotton Division, Agricultural Marketing Service, USDA.

Table 18--Mechanical samplers: Number of gins, and number and percentage of gins with mechanical samplers, United States, 1960/61-1975/76 seasons

Season <u>1/</u>	Gins	Gins with mechanical samplers:	Percentage of gins with mechanical samplers
		Number	Percent
1960/61.....	5,797	170	2.9
1961/62.....	5,619	195	3.5
1962/63.....	<u>2/</u>	<u>2/</u>	<u>2/</u>
1963/64.....	5,327	187	3.5
1964/65.....	5,264	159	3.0
1965/66.....	5,205	195	3.8
1966/67.....	5,013	203	4.1
1967/68.....	4,730	195	4.1
1968/69.....	4,448	164	3.7
1969/70.....	4,337	139	3.2
1970/71.....	3,754	144	3.8
1971/72.....	3,619	153	4.2
1972/73.....	3,516	169	4.8
1973/74.....	3,280	196	6.0
1974/75.....	3,219	253	7.8
1975/76.....	2,857	279	9.8

1/ Data reported for July of each year.

2/ Data unavailable.

Source: Adapted from various statistical reports of the Cotton Division, Agriculture Marketing Service, USDA.

Table 19--Proportion of cotton purchased by ginner, by State and region, 1960/61-1975/76 seasons

State and region	1960/61	1961/62	1962/63	1963/64	1964/65	1965/66	1966/67	1967/68	1968/69	1969/70	1970/71	1971/72	1972/73	1973/74	1974/75	1975/76
	Percent															
Alabama.....	3.0	36.0	28.0	19.0	31.0	40.0	32.0	36.0	37.0	42.0	48.0	21.0	38.0	36.0	27.0	10.0
Florida.....	10.0	50.0	45.0	25.0	65.0	53.0	16.0	80.0	34.0	58.0	78.0	--	--	--	--	--
Georgia.....	3.0	21.0	13.0	4.0	7.0	12.0	11.0	27.0	16.0	17.0	42.0	60.0	14.0	33.0	2.0	12.0
North Carolina.....	6.0	38.0	42.0	16.0	25.0	23.0	66.0	52.0	40.0	27.0	56.0	55.0	25.0	27.0	18.0	17.0
South Carolina.....	11.0	34.0	48.0	29.0	34.0	56.0	65.0	71.0	64.0	66.0	78.0	62.0	48.0	49.0	15.0	16.0
Virginia.....	52.0	88.0	89.0	58.0	27.0	47.0	60.0	--	--	--	--	--	--	--	--	--
Southeast.....	6.9	33.9	31.3	22.5	29.8	42.4	49.6	51.9	48.1	46.3	56.2	42.2	32.9	36.7	16.1	12.0
Arkansas.....	8.0	29.0	27.0	16.0	29.0	25.0	32.0	17.0	22.0	13.0	18.0	26.0	8.0	13.0	8.0	1/
Louisiana.....	4.0	19.0	20.0	15.0	9.0	16.0	22.0	13.0	26.0	16.0	9.0	8.0	17.0	4.0	1/	1/
Mississippi.....	1/	2.0	1.0	1.0	3.0	2.0	3.0	6.0	2.0	2.0	1.0	3.0	1.0	--	1.0	1/
Missouri.....	60.0	86.0	74.0	32.0	69.0	86.0	94.0	96.0	92.0	88.0	94.0	97.0	97.0	100.0	6.0	96.0
Tennessee.....	14.0	66.0	63.0	45.0	75.0	81.0	90.0	87.0	89.0	80.0	87.0	80.0	64.0	69.0	28.0	60.0
South Central.....	39.0	54.9	46.8	15.1	52.2	62.1	62.5	49.0	60.6	64.0	67.4	27.6	20.1	16.1	9.2	12.7
Oklahoma.....	16.0	47.0	45.0	22.0	23.0	54.0	34.0	39.0	27.0	78.0	40.0	60.0	53.0	66.0	46.0	79.0
Texas.....	12.0	24.0	21.0	12.0	13.0	16.0	18.0	29.0	35.0	47.0	50.0	38.0	49.0	38.0	16.0	57.0
Southwest.....	12.5	27.0	23.9	13.5	14.1	23.9	19.8	33.9	34.6	51.3	49.5	39.4	49.3	40.4	19.3	58.5
Arizona.....	1/	--	--	--	--	--	3.0	--	--	1/	1/	--	--	2.0	3.0	1/
California.....	1/	--	--	--	--	--	--	3.0	1/	1/	1/	--	2.0	--	--	1/
New Mexico.....	1.0	1/	7.0	1.0	1/	1.0	1/	1/	1/	9.0	4.0	3.0	2.0	--	3.0	5.0
West.....	1.0	1/	7.0	1.0	1/	1.0	3.0	3.0	1/	9.0	4.0	1/	2.0	1/	3.0	1/
United States.....	8.0	22.0	20.0	12.0	17.0	20.0	21.0	22.0	24.0	29.0	30.0	28.1	27.8	24.6	9.9	22.9

1/ Less than 0.05 percent.
-- Data unavailable.

Table 20--Receiving, storing, and compressing: Average charges per 480-pound bale of upland cotton, United States, 1971/72-1975/76 seasons 1/

Season	Average charge per bale for--				
	Receiving	Storage per month	Compressing to--		
			Standard	High	Universal
			density	density	density
			<u>Dollars</u>		
1971/72.....	1.06	.66	2.25	2.55	--
1972/73.....	1.10	.69	2.36	2.66	--
1973/74.....	1.18	.76	2.73	2.76	2.72
1974/75.....	1.32	.85	3.07	3.09	3.09
1975/76.....	1.36	.94	3.55	3.58	3.58

1/ Average of charges as shown on warehouse tariff.

UNITED STATES DEPARTMENT OF AGRICULTURE
WASHINGTON, D.C. 20250

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF
AGRICULTURE
AGR 101
THIRD CLASS



PRECEDING REPORTS

*Fortenberry, A.J.

1956. Charges for Ginning Cotton, Seasons 1947/48 to 1954/55.
U.S. Dept. Agr., Agr. Mktg. Serv., MR-120, June.

*Roberts, Arthur L., and Fortenberry, A. J.

1947. Charges for Ginning Cotton 1941/42 to 1946/47. U.S. Dept.
Agr., Prod. and Mktg. Admin., Sept.

* _____ and Lanham, W. B.

1937. Rates for Ginning and Wrapping American Cotton and Related
Data, Seasons 1928/29 to 1935/36. U.S. Dept. Agr., Bur. Agr.
Econ., Jan.

Ghetti, Joseph L., and Looney, Zolon M.

1972. Statistical Summary of Charges for Ginning Cotton and
Selected Services, and Related Information, Seasons 1955/56
through 1970/71, CED, ERS, USDA. Stat. Bul. No. 479. Feb.

*These reports are now out of print, but may be available at some
libraries.

END