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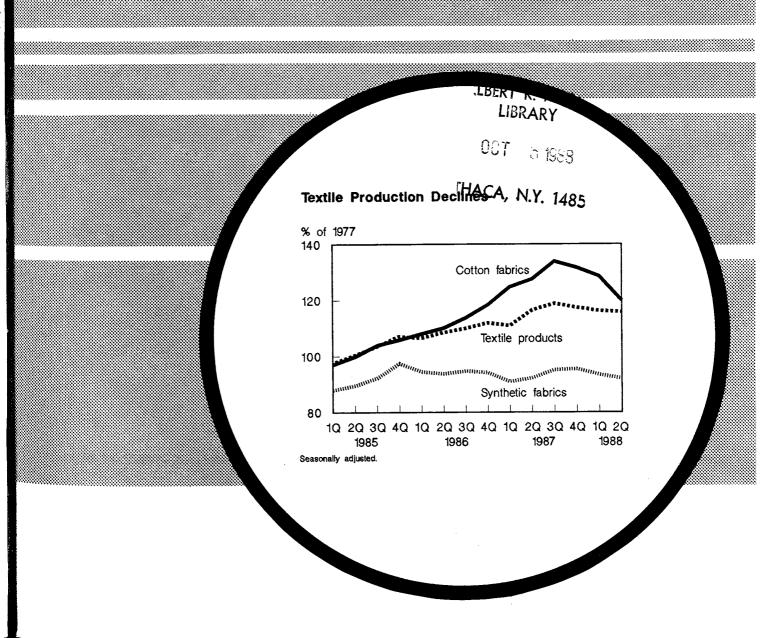
United States Department of Agriculture

Economic Research Service

CWS-53 September 1988

# **Cotton and Wool**

# Situation and Outlook Yearbook



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Based on August 1 crop conditions, 1988 U.S. cotton production is estimated at 14.9 million bales, up from 14.8 million in 1987. Harvested acreage is up 16 percent to 11.6 million acres, reflecting this year's smaller acreage reduction program. The average cotton yield in 1988 is forecast at 616 pounds per harvested acre, 3 percent above the previous 5-year average, but 13 percent below last year's record yield. Lower yields are expected in all regions of the Cotton Belt, ranging from a 4-percent decline in the Southeast to 13-15 percent declines elsewhere.

The total supply of cotton is forecast at 20.5 million bales for 1988/89, the largest since the 1966/67 season. With production expected to exceed total use again this season, stocks at the end of 1988/89 could increase to 8.9 million bales, compared with an estimated 1987/88 carryover of 5.6 million.

Although U.S. textile imports remain at very high levels, domestic mills used more cotton in 1987/88 than at any time since 1972/73. Strong early-season usage, partially associated with large denim demand, led to the higher consumption. Mill use for 1987/88 was an estimated 7.7 million bales. This season, slower denim business and larger textile inventories could contribute to mill use falling to near 7.0 million bales. Domestic per capita cotton consumption may fall over 2 pounds this season.

U.S. cotton export sales, including rollover, for delivery during 1987/88 reached 3.7 million bales by the start of last season, the highest preseason commitments in the 1980's. At the beginning of the 1988/89 marketing year, export sales totaled only 2.4 million bales, a result of noncompetitive U.S. prices and improved 1988 foreign production prospects. The current 1988/89 U.S. cotton export forecast is 4.7 million bales, nearly 2 million below last season. The U.S. share of global cotton trade is projected at 20 percent, compared to 27 percent in 1987/88.

World cotton production in 1988/89 is expected to rise to nearly 86 million bales, 7 percent above 1987/88 and the second largest on record. Foreign production is projected up almost 5 million bales and may total 71 million bales. These gains reflect both increased area and improved yields. India, Greece, Turkey, and Australia expect record crops.

World cotton exports are projected to decline 2 percent or about 500,000 bales in 1988/89, but remain the third highest on record. Exports are expected to rise among many foreign producers because of substantial carryover supplies from last season in Pakistan and the Southern Hemisphere, and recoveries from weather-related declines in several northern producing countries.

World consumption is forecast at nearly 83 million bales, about matching 1987/88. Consumption is expected to increase primarily among producers while falling among importers. Foreign consumption is projected to rise 1 percent and total nearly 76 million bales. World stocks are expected to increase nearly 9 percent and total over 35 million bales by the end of this season. All of the stock buildup is expected to occur in the United States, while foreign stocks are expected to decline 2 percent.

World and U.S. cotton prices generally moved lower last season, reflecting larger 1987 U.S. and foreign production, stable world consumption, adequate carryover supplies, and larger 1988 production prospects in most major producing countries. Prices in Northern Europe—the "A" and "B" indices—have declined nearly 21 and 25 percent, respectively, since last August. The average U.S. spot price for Strict Low Middling (SLM) 1–1/16 inch cotton continued to fall last season through April, then strengthened this spring due to early season weather problems before dropping lower during July and averaging 57 cents per pound.

U.S. cotton has not been competitively priced in world markets for several months. Reduced export sales, together with the large 1987 crop and the potential for another large crop in 1988, are expected to result in a significant increase in U.S. stocks and higher program costs this season. To make U.S. cotton more competitive, the Secretary of Agriculture on August 19 amended the regulations for determining the prevailing world market price, adjusted to U.S. quality and location. The transportation adjustment component of the formula has been revised to reflect actual transportation costs more accurately. Also, the adjustment for coarse count cotton has been modified.

In addition, several provisions of the price support loan program were revised on August 22. The most important revision is that when the U.S. upland cotton loan rate plus the sum of accrued interest and warehouse charges (except compression) exceeds the adjusted world price, the Commodity Credit Corporation will not require payment of that portion of the interest, and will pay that portion of warehouse charges that is determined to permit upland cotton loan collateral to be redeemed with cash at the adjusted world price.

These changes in the upland cotton program have lowered the adjusted world price for base quality cotton as well as coarse count cotton, and reduced the cost of redeeming cotton under loan with cash. These revisions are expected to have a significant influence on U.S. export potential for the remainder of this marketing year.

Raw wool mill consumption in second-quarter 1988 was 37 million pounds, clean, 5 percent below the first quarter. The woolen system used 14 million pounds, 11 percent below the previous quarter, while the worsted system's use, at 19 million, was 3 percent more. Carpet mills used 4 million pounds, 15 percent below the first quarter. Both woolen and worsted mills are using a smaller share of the finer grades because of higher prices. Stocks of raw wool on January 1, 1988 were 45 million pounds, clean, 10 percent below 2 years earlier.

#### TEXTILES AND THE ECONOMY

The U.S. economy continues to expand during 1988, as evidenced by the following:

- Real gross national product increased 3.3 percent in the second quarter, following a 3.4-percent rise in the first quarter;
- o Industrial production rose .4 percent in June, .8 percent in July, and has not slipped since September of the past year;
- Capacity utilization increased .4 percent in July to 83.5 percent--its highest level in over 7 years;
- o In June the index of leading economic indicators rose a strong 1.4 percent;
- o Unemployment during the first half of 1988 is well below average;
- o Personal income continues to increase, with substantial gains in wages and salaries.

The driving force behind the expansion is demand--strong export demand for U.S. goods and increasing domestic demand for plant and equipment. With some industrial sectors operating near 90 percent of capacity, many analysts foresee upward pressure on prices resulting in inflation. Not surprisingly, recent monetary policy has focused on tightening credit through higher interest rates in order to alleviate these pressures. Many of the trends in the general U.S. economy are paralleled in the textile and apparel sectors, while some are not. Comparison of January–June dollar values of imports and exports for 1987 and 1988 reveals that in 1988, general merchandise imports are up 11 percent, textile yarn and fabric imports are up 1 percent, and clothing imports are up 1 percent; while general exports are up 31 percent, textile yarn and fabric exports are up 22 percent, and clothing exports are up 36 percent over the same period in 1987. Thus, in the textile and apparel sectors, imports have lagged and exports have kept pace with the general trend.

While the value of imports has remained rather stable recently, the quantity of imports has declined. Comparison of January-June imports for 1987 and 1988 indicates that cotton, wool, and manmade fiber textile imports in 1988 are down 7.7, 15.7, and 7.2 percent, respectively, from the like period of 1987. Import price increases have compensated for decreased volume to maintain the value of imports.

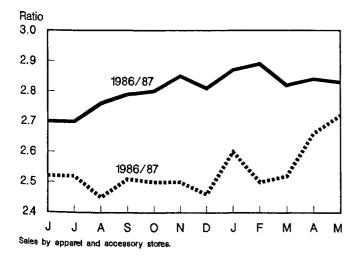
The U.S. import price index for all commodities, less fuel, rose 8.7 percent from June 1987 to June 1988. Textile import prices increased 7.9 percent and clothing import prices increased 5.1 percent. In the second quarter of 1988, import prices for clothing decreased .7 percent. The relatively small import price increase for clothing seems to indicate that foreign producers are more willing to absorb exchange rate losses than to give up market share.

The U.S. unemployment rate for all wage and salary workers stood at 5.4, 5.0, and 5.1 percent in May, June, and July, respectively. Unemployment in the textile mill products sector (and apparel, in parenthesis) for these three months was 6.1 (7.1), 4.1 (7.5), and 4.1 (6.8) percent, respectively. For both sectors, these rates indicate an improvement over early-1988 levels.

As more people work, personal income has increased. Through the first 6 months of 1988, real disposable personal income (DPI) increased 1.46 percent, while real personal consumption expenditures (PCE) increased 1.6 percent. In 1987 (and 1986), real DPI increased 1.72 (3.86) percent and real PCE increased 2.68 (4.26) percent for the year, respectively.

During the last year, consumption expenditure increases have largely accrued to durable goods producers, and this pattern continues. However, sales to apparel and accessory stores posted sizable gains in June (1.4 percent) and July (1.6 percent). Slow sales helped push the inventory/sales ratio to very high levels earlier in the year, before stocks were drawn down and sales strengthened (Figure 1).





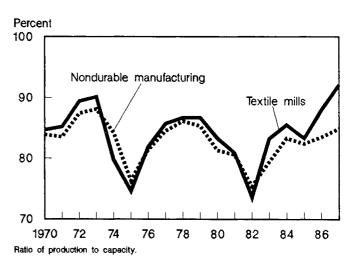


A comparison of growth rates for real disposable income and real personal consumption expenditures reveals that through mid-1988 the pattern was similar to 1986, a year of low inflation. In 1988, consumers do not appear to be outspending income increases, and yet there are signs of upward pressure on prices. Through July, the consumer price index for urban consumers indicated prices increasing at a 4.5-percent annual rate. One significant difference in the general economies of 1986 and 1988 is the level of industrial capacity utilization (other differences would be falling oil prices in 1986 and the decrease in the value of the dollar). For all of 1986, utilization averaged 79.4 percent, and now it is about 4 percentage points higher. Capacity constraints may thus limit output and push prices upward.

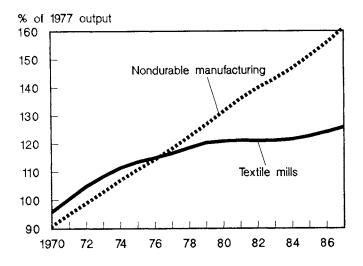
While some industrial sectors are approaching the 90-percent utilization level, the textile mill sector has been operating at or near this level for some time (Figure 2). The high levels in textile mills are due largely to slow capacity increases over the last decade (Figure 3). Should textile mills experience demand increases similar to those among other sectors, severe constraints may arise. However, recent data indicate textile mill capacity utilization is slackening somewhat. Perhaps this trend portends less pressure on consumer prices for textile products.

As inflation continues to dominate concerns about the 1988 U.S. economy, recent trends in apparel prices have eased concern in





### Figure 3 Textile Mill Capacity Lags



that area. Prices for apparel and upkeep decreased .3 percent in June and .6 percent in July to an annual rate of 5.6 percent--still high, but much improved over the double-digit rate of early 1988.

#### U.S. COTTON SITUATION AND OUTLOOK

#### Upland Cotton Situation

#### Overview

The 1987 upland cotton crop totaled 14.5 million bales, 52 percent above a year earlier. Harvested area was 9.9 million acres, and the national average yield rose to a record 702 pounds per harvested acre, up 155 pounds from 1986 and 74 pounds above the previous record in 1985.

The 1988 U.S. upland cotton crop is forecast at 14.5 million bales, based on August 1 conditions. Planted acreage of 12.0 million was 16 percent more than 1987, while forecast yield of 611 pounds per acre would be 13 percent below the previous year. The total supply of upland cotton is forecast at 20.1 million bales for 1988/89, 664,000 above the previous year and the largest since 1966.

Mill use of upland cotton during 1987/88 was 7.6 million bales, 4 percent more than the previous season and the largest since 1972/73. However, mill consumption in 1988/89 is expected to drop to near 6.9 million bales, reflecting higher textile inventories and reduced demand for denim. Upland exports are projected to fall to 4.4 million bales, a decline of 31 percent from 1987/88. Fierce competition from near-record and generally lower-priced foreign crops has reduced U.S. export prospects. Ending stocks on August 1, 1989 could increase to 8.8 million bales, based on production and use projections.

#### Crop Conditions Improve

Based on August 1 crop conditions, 1988 upland production is estimated at 14.5 million bales, about matching the 1987 crop. Based on past differences between the August estimate and final production, chances are 2 out of 3 that 1988 production will range between 13.3 and 15.8 million bales.

Planted acreage in 1988 is estimated at 12.0 million acres, about 1.7 million more than a year earlier. Participation in the 12.5-percent acreage reduction program (ARP) is projected at 88 percent, down slightly from 1987 which had 92-percent participation. Participation rates dropped slightly in all states except Arizona, where 83 percent of the base is enrolled in the ARP, compared to 79 percent in 1987.

The 1988 cotton acreage base increased by almost 100,000 acres from the 1987 level to 14.6 million acres. However, since 1986/87, about 1.0 million acres of cotton base have been enrolled in the conservation reserve program. For 1988/89, actual plantings represent only 92 percent of participants' permitted plantings, plus the nonparticipants' base. In the Southwest, permitted plantings by participants alone are 6.0 million acres, while total planted acreage is only 5.8 million. However, actual plantings in the Delta represent 102 percent of full plantings (table A).

The average cotton yield in 1988 is forecast at 611 pounds per harvested acre, 3 percent above the previous 5-year average of 596 pounds, but 13 percent below last year's record yield. Lower yields are expected in all regions of the Cotton Belt. However, yields in the Southeast are expected to be down only 4 percent, compared to reductions of 13-15 percent elsewhere (table B).

Table A.	Estimated	1988	upland	cotton	acreage
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Region I/	Base 2/	Enrolled 3/	Full plantings 4/	Actual planted 5	Planting proportion 6/
		l,000 acre	s		Ratio
Southeast Delta Southwest West Total	1,141 3,725 7,464 2,235 14,565	1,032 3,410 6,853 1,522 12,817	1,013 3,300 6,607 2,044 12,963	980 3,380 5,841 1,760	0.97 1.02 0.88 0.86 0.92

1/ States in order of greater base acres are: Southeast: AL, GA, SC, NC, FL, VA; Delta: MS, LA, AR, TN, MO,; Southwest: TX, OK, KS; West: CA, AZ, NM, NV. 2/ Acres eligible for cotton program benefits. 3/ Acres enrolled in the 1988 cotton program. 4/ Enrolled acres less 12.5 percent plus the nonparticipants' base. Nonparticipants may exceed their base acres. 5/ August crop production report. 6/ Actual plantings as a proportion of full plantings.

Region	Planted	Harvested	Yield	Production
	l,000 a	cres	Lbs./acre	1,000 bales
Southeast 2/				
1987	832	823	571	979
1988	980	956	549	1,093
Delta 3/				.,
1987	2,810	2,784	791	4,587
1988	3,380	3,228	675	4,540
Southwest 4/	.,	-,		.,
1987	5,121	4,801	498	4,982
1988	5,841	5,511	430	4,941
West 5/	.,	<b>,</b> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		.,
1987	1,506	1,491	1,264	3,927
1988	1,760	1,740	1,096	3,974
Total	(),	· <b>,</b> · · · ·	.,	<b>- ,</b>
1987	10,269	9,899	702	14,475
1988	11,961	11,435	611	14,548

Table B. --Estimated 1988 and actual 1987 upland cotton acreage, yield, and production 1/

1/ Based on August Crop Production Report. 2/ Alabama, Florida, Georgia, North Carolina, South Carolina, and Virginia. 3/ Arkansas, Louisiana, Mississippi, Missouri, and Tennessee. 4/ Kansas, Oklahoma, and Texas. 5/ Arizona, California, and New Mexico.

#### Cotton Textile Imports Fall

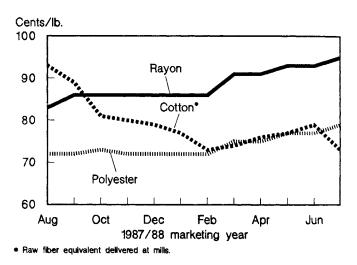
During the first 6 months of 1988, U.S. imports of foreign cotton textiles totaled 2.2 million bale-equivalents, 7 percent below the same period in 1987. In addition, U.S. textile exports increased 8 percent above year-ago levels. Even though the weaker dollar has led to a slight improvement in the cotton textile trade balance, the deficit is expected to be near 3.8 million bale-equivalents for calendar year 1988. Cotton textile imports may account for more than 40 percent of total domestic consumption this year (table C).

Although textile imports remain at very high levels, U.S. mills used more upland cotton in 1987/88 than at any time since 1972/73. Strong early-season usage, partially associated with large denim demand, led to higher mill consumption last season. Upland mill use for 1987/88 was an estimated 7.6 million bales. This season, slower denim business and larger textile inventories could contribute to mill use falling to 6.9 million bales. Weaker cotton prices relative to polyester may result in some substitution in favor of cotton in blends (figure 4). However, domestic cotton consumption could fall over 2 pounds per capita in 1988.

#### Cotton Export Prospects Fall

Upland cotton export sales, including rollover for delivery in 1987/88, had reached 3.5 million bales by the start of the season, the highest preseason commitments in the 1980's (table D). In 1987/88 preseason sales accounted for 55 percent of actual U.S. shipments during the marketing year and have averaged 53 percent for the past 4 seasons. As of July 31, 1988, preseason sales plus carryover totaled only 2.2 million bales. Noncompetitive U.S. prices and improved 1988

# Figure 4 Cotton Prices Become More Competitive



Calendar	Mili	Text	iles	Trade	Domestic
year	consumption	Imports	Exports	deficit 2/	consumption
······································		Poun			<u></u>
1973	17.26	2.66	1.53	1.13	18.39
1974	15.47	2.35	1.83	0.52	15.99
1975	14-01	2.32	1.64	0.68	14.69
1976	15.66	3.25	1.90	1.35	17.01
1977	14.40	3.04	1.68	1.36	15.76
1978	13.66	3.80	1.66	2.14	15.80
1979	13.67	3.31	2.12	1.19	14.86
1980	13.34	3.56	2.32	1.24	14.58
1981	11.82	4.19	1.60	2.58	14.40
1982	10.72	3.86	1.11	2.75	13.49
1983	12,00	4.84	0.94	3.90	15.90
1984	11.50	6.18	0.87	5.31	16.81
1985	11.80	6.75	0.87	5.88	17.68
1986	13.48	7.91	1.14	6.77	20.25
1987	15.51	9.58	1.22	8.36	23.87
1988 3/	14.09	8.74	1.29	7.45	21.54

Table C. -- Per capita domestic cotton consumption 1/

1/ U.S. mill consumption of cotton plus the trade deficit in cotton textiles. 2/ Imports minus exports. 3/ Based on January-June data.

Source: Bureau of the Census.

Table D. --Preseason upland cotton export sales, carryover sales, and actual exports

Crop year	Preseason sales 1/	Carryover 2/	Total	Crop year exports
		Million bal	əs	
1980	2.6	0.8	3.4	5.9
1981	1.2	.4	1.6	6.6
1982	1.4	.5	1.9	5.2
1983	2.2	.7	2.9	6.8
1984	2.4	.7	3.1	6.1
1985	.8	.5	1.3	1.9
1986	3.1	.2	3.3	6.6
1987	3.1	.4	3.5	* 3/ 6.4
1988	1.8	.4	2.2	4/ 4.4

1/ New-crop sales as of July 31. 2/ Undelivered old-crop sales as of July 31. 3/ Estimated.
4/ Projected.

Source: USDA, Foreign Agricultural Service.

foreign production prospects have contributed to lower U.S. export sales. The current 1988/89 upland cotton export forecast is 4.4 million bales, 2.0 million below last season.

#### Cotton Prices Fell Last Season

World and U.S. cotton prices generally moved lower last season, reflecting larger 1987 U.S. and foreign production, stable world consumption, adequate carryover supplies, and larger 1988 production prospects in most major producing countries. Prices in Northern Europe--the "A" and "B" indexes--have declined nearly 21 and 25 percent, respectively, since last August (table E).

The average U.S. spot price for Strict Low Middling (SLM) 1-1/16 inch cotton continued to fall last season through April, then strengthened this spring due to early-season weather problems before dropping lower during July. The adjusted world price, representing the U.S. equivalent of world prices, followed a pattern similar to spot prices and established a seasonal low in July, averaging 52.18 cents per pound. During the 1987/88 season, the marketing loan provisions for U.S. cotton were implemented for a 1-week period in May and the last 2 weeks in July.

Lower cotton prices last season resulted in substantial CCC loan entries. Upland cotton under loan at the end of the marketing year totaled 3.2 million running bales (table F). Almost 5.4 million bales of 1987-crop cotton have been entered this season, with Southern Plains cotton making 41 percent of the total. Only 29 percent of the 1987 Southern Plains crop placed under loan was redeemed last season.

#### New-Crop Prices Noncompetitive

U.S. price quotations for 1988-crop cotton delivered on the Northern European market climbed 5-7 cents per pound above foreign competitor prices this summer. During June, Memphis Territory A-type cotton averaged 72 cents per pound. c.i.f. Northern Europe, while price quotations from Pakistan, which are generally the lowest in the index, were 66 cents. In recent weeks, Memphis Territory prices have remained 5 cents above Pakistani quotes (figure 5). Similarly, for coarse count cottons. Orleans/Texas price quotations ranged 4-7 cents above Pakistani B-type cotton bids. In July, Orleans/Texas quotes for November/December delivery, c.i.f. Northern Europe, averaged 61 cents per pound compared to 55 cents for Pakistani growths (figure 6). More recently, the price difference has declined to about 4 cents a pound.

# Program Changes Should Enhance U.S. Exports

U.S. 1987-crop cotton has generally not been competitive in world markets since last February, and 1988-crop cotton since May. As a result, both old-crop and new-crop export sales have declined. Reduced sales, together with the larger-than-expected 1987 crop and the potential for another large crop in 1988, have resulted in a significant increase in U.S. stocks, lower cotton prices, and higher program costs.

To make U.S. cotton more competitive in world markets, the Secretary of Agriculture on August 19 amended the regulations for determining the prevailing world market price for upland cotton, adjusted to U.S. quality and location (adjusted world price).

1. Transportation Adjustment – The period for determining the adjustment of the Northern Europe price to average designated U.S. spot market has been reduced from 156 weeks to 52 weeks, and includes authority to further adjust the 52-week calculation if, based on periodic reviews of actual transportation costs, it is determined that the calculated adjustment is not reflecting actual transportation costs.

	Northern I	Europe 1/		United States 2/	,
Month	A	В	Spot	futures	Adjusted world
			nts/lb		
August	86.60	81.55	75.89	69.08	74.27
September	83.61	78.44	71.41	66.94	72.01
October	76.17	70.77	64.30	64.21	64.73
November	75.83	71.73	64.66	64.26	63.48
December	75.29	71.08	62.26	63.26	63.29
January	72.19	68.15	59.69	62.53	60.62
February	67.49	64.21	57.83	59.50	55.69
March	66.34	62.69	59.64	57.61	54.34
April	65.75	61.30	60.07	56.07	53.78
May	65.58	61.30	61.55	59.48	53.52
June	68.78	62.73	62.86	63.84	56.70
July	68.23	61.50	57.40	57.12	52.19

Table E. --World and U.S. cotton prices in 1987/88

1/ A=Northern Europe price for Middling, 1-3/32 inch; B=Northern Europe coarse count price. Monthly prices are averages of Thursday quotes. 2/ Spot and December futures for SLM, 1-1/16 inch at average U.S. producing location.

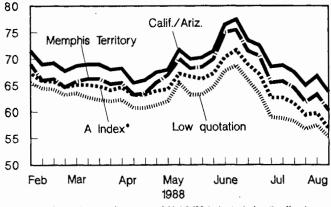
Table F.---Cotton loan statistics 1/

		Loans mad	e	Lo	ans repaid	i	Loan	s outst	anding	Loans	forfei	ited
Region	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987
- Southeast 2/ Delta 3/ Southern Plains 4/ West 5/ U.S.	584.7 2,403.6 2,786.9 1,513.6 7,288.8	550.0 2,553.3 1,860.1 1,205.2	280.9 1,811.2 2,196.1 1,073.4	568.8 2,334.9 2,700.9 1,508.6	1,000 ru 539.2 2,494.9 1 1,801.7 1,197.7 6,033.5 2	108.4 ,008.6 636.6 586.1	2.0 8.5 3.2 1.3 15.0	9.4 53.8 56.0 7.3	172.5 802.6 1,559.5 487.3 3,021.9	13.9 60.2 82.8 3.7 160.6	i.4 4.6 2.4 0.2 8.6	

1/ Loans through July 31, 1988. 2/ Alabama, Florida, Georgia, North Carolina, South Carolina, and Virginia. 3/ Arkansas, Louisiana, Mississippi, Missouri, and Tennessee. 4/ Kansas, Oklahoma, and Texas. 5/ Arizona, California, and New Mexico. 6/ Less than 100 bales have been forfeited.

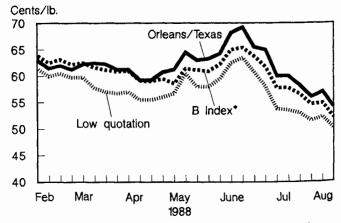
#### Figure 5 New-Crop Cotton Prices Favor Foreign Growths

Cents/lb.



 Average of the cheapest five types of M 1-8/32 inch staple length offered on the European market for Nov-Dec 1988 delivery.

#### Figure 6 U.S. and Foreign Coarse Count Cotton Prices Fall



 Average of the cheapest three types of coarse count cotton offered on the European market for Nov-Dec 1988 delivery. 2. Coarse Count Adjustment – The additional adjustment for coarse count cotton will be modified by: (a) removing the 1-cent minimum adjustment and (b) applying the adjustment to any grade of upland cotton with a staple length of 1 1/32 inch or shorter and to the following grades of upland cotton with a staple length of 1-1/16 inch or longer: White Grades; SGO Plus, SGO, GO Plus, and GO, Light Spotted Grades; LM and SGO, Spotted Grades; Mid, SLM, LM, and SGO, Tinged Grades; SM, Mid, SLM, and LM, Yellow Stained Grades; SM and Mid, Light Gray Grades; SLM and Gray Grades; Mid and SLM.

The initial effect of the revised transportation adjustment increased charges 2.2 cents per pound, which decreased the adjusted world price by the same amount. Similarly, the coarse count adjustment in effect for August 19–25 was 0.74 cents per pound.

In addition to changes in the calculation of the world price formula, the provisions of the price support loan program are being revised. All price support loan redemptions of upland will be calculated based on the schedule of premiums and discounts for grade and staple, and the schedule of micronaire differences and location differentials applicable to each warehouse location that were in effect for the crop year in which the cotton was produced.

Also, for qualities of cotton eligible for the coarse count adjustments, price support loan redemptions will be permitted with cash at: the lower of the adjusted world price, adjusted to specific qualities and warehouse locations based upon the schedule of premiums and discounts for grade and staple and at the location differentials applicable to each warehouse location that were in effect for the crop year in which the cotton was produced and for the announced coarse count adjustment for the week in which the redemption occurs; or the loan rate for the specific quality and location that was in effect for the crop year in which the cotton was produced.

On August 22, 1988 the Secretary of Agriculture announced additional changes in the 1988 upland cotton program, designed to further ensure that U.S. upland cotton will be competitive in world markets. When the U.S. upland cotton loan rate plus the sum of accrued interest and warehouse charges (except compression) exceeds the adjusted world price, the Commodity Credit Corporation will not require payment of that portion of the interest and will pay that portion of the warehouse charges that is determined necessary to permit upland cotton loan collateral to be redeemed with cash at the adjusted world price.

Prior to this announcement, when upland cotton pledged as loan collateral was redeemed with cash, the redeemer had to pay all the accrued interest plus warehouse charges previously paid by the CCC.

Under the new procedure for cash redemption, when the adjusted world price is:

(1) Below the loan rate for the base quality of 52.25 cents per pound for the 1987 crop and 51.8 cents for the 1988 crop, CCC will not require the payment of any interest and will pay all of the warehouse charges.

(2) Above the base loan rate by less than the sum of accrued interest and warehouse charges, CCC will not require the payment of that portion of the accrued interest, and will pay that portion of the accrued warehouse charges that are determined to be necessary to permit the loan collateral to be redeemed at the adjusted world price.

(3) Above the base loan rate by as much as or more than the sum of the accrued interest and warehouse charges, CCC will require the payment of all accrued interest and will not pay any of the accrued warehouse charges. In such case, the loan collateral may be repaid at the loan rate plus accrued interest and any warehouse charges previously paid by CCC.

The recent changes in the 1988 upland cotton program have lowered the adjusted world price for base quality cotton as well as coarse count cottons, and reduced the cost of redeeming cotton under loan with cash. Although no changes were made in the procedure to obtain loan cotton with certificates, a substantial amount of 1987-crop loans will be phased into an extended status this fall. When cotton under loan in extended status is obtained with certificates, storage charges for the first 10 months the cotton was under loan are paid by CCC, but storage costs will accrue for months 11 through 18 of the term of the loan.

The changes in the upland cotton program are expected to have a significant influence on U.S. raw cotton exports for the remainder of this season. With U.S. cotton priced more competitively in world markets the potential for U.S. cotton exports is enhanced.

#### ELS Cotton Situation

#### ELS Exports Remain Strong

Plantings of ELS cotton totaled 197,800 acres in 1988, up 43 percent from 1987. With 1988 average yield projected at 940 pounds per harvested acre, down from 1,000 in 1987, production may reach 386,000 bales, up 35 percent from 1987 (table G).

Exports of ELS cotton of 237,000 bales during 1987/88 were double the 1986 level. Exports for 1988/89 are estimated at 315,000 bales, an increase attributable to strong foreign demand and larger production this season.

Domestic mill consumption fell off sharply during 1987/88. In June, monthly consumption was 3,160 bales, compared with 6,700 the previous June. For the 1987/88

Table G. —Estimated 1988 and actual 1987 ELS cotton acreage, yield, and production 1/

State	Planted	Harvested	Yield	Production
	1.00	0 acres	Lbs./acre	1.000 bales
Arizona				•
1987	91.0	90.8	1,126	213.0
1988	140.0	139.7	1,031	300.0
Texas				
1987	32.0	31.0	787	50.8
1988	40.0	39.5	729	60.0
New Mexico				
1987	14-0	13.9	642	18.6
1968	16.0	16.0	660	22.0
California				
1987	0.9	0.9	1,173	2.2
1968	1.8	1.8	<b>960</b>	3.6
Total				
1987	137.9	136.6	1.000	284.6
1988	197.8	197.0	940	385.6

I/ Based on August Crop Production Report.

season through June, total mill usage was 49,290 bales--well off the pace of the 2 previous years. The decline in domestic mill consumption was largely due to higher ELS cotton prices. ELS farm prices for the 1987/88 season through March averaged \$1.04 per pound, about 16 percent higher than a year earlier. Domestic mill use in 1988/89 is projected at 60,000 bales, up slightly from the past season.

In 1988/89, total ELS usage is expected to reach 375,000 bales, 28 percent above the past season. Strong export demand and strengthened domestic mill consumption should lead use higher. Preseason export sales plus rollover totaled a record 224,700 bales, compared with 113,000 bales a year ago. Based upon estimates of production, exports, and domestic consumption, stocks at the end of 1988/89 may stand at 68,000 bales.

#### World ELS Production Increases

According to the International Cotton Advisory Committee, in 1987/88 world ELS production, at 4.3 million bales, was down about 10 percent from the previous year, while consumption in producing countries, at 3.3 million bales, was little changed (table H). The United States, with about 7 percent of world ELS production in 1987/88, ranked fourth among major producers, behind Egypt (38 percent), India (33 percent), and the Soviet Union (15 percent).

The majority of ELS production in 1987/88 was consumed in producing countries. Consumption/production ratios among major producers were .73, .93, 1.13, and .19 for Egypt, India, the Soviet Union, and the United States, respectively. Thus, the United States is a major source of ELS cotton for export, and garnered 18 percent of world trade in the 1987/88 marketing year.

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The downturn in world production in 1987/88, combined with stable consumption in producing countries and increased use by importers, contributed to a more than 40-percent decline in ending stocks to 324,000 bales. In 1988/89, world production is projected at 5.1 million bales, with increases among all major producing countries. World exports of ELS cotton are expected to increase by one-fourth to 1.6 million bales,

Table HELS	cotton sup;	ly and use	in produc	ing countries
------------	-------------	------------	-----------	---------------

Year Beginning August 1	1984	1985	1986	1987 Prei.	1988 Proj.	1989 Proj.
			1,000	bales-		
BEGINNING STOCKS		-	-	•	12	17
Egypt, L. STPL.	13 82	7 375	71 244	2 121	12 65	13 46
India	5	5/5	244	5	5	0
lsræl Peru	53	Ιź	Á	36	13	ĕ
Sudan .	164	156	147	234	94	88
United States 1/	82	78	59	84	67	68
USSR	13	29	46	46	36	46
Other producers	32	23	27	27	19	28
Subtotal	444	684	604	555	311	303
Egypt, ELS		72	62	10	13	10
Total	542	756	<b>66</b> 6	565	324	313
PRODUCTION						
Egypt, L. STPL.	1297	1558	1324	1218	1380	
India	1758	1300	1499	1394	1724	
Israel	23	33	73	57	98	
Peru	71 344	102 309	129	49 212	83	
Sudan	130	155	346	285	284 386	
United States 1/	534	576	206 598	621	650	
USSR Other producers	26	40	43	43	54	
Subtotal	4183	4073	4219	3878	4660	
Egypt, ELS	511	417	502	379	397	
Total	4694	4490	4721	4257	5057	
CONSUMPTION						
Egypt, L. STPL.	1040	1172	1062	950	1050	
India	1427	1420	1222	1300	1443	
Israel	7	8	10	10	15	
Peru	51	69	48	51	50	
Sudan 1/	52	61	42	22 55	40	
United States 1/	49 550	61 660	67 660	700	60 700	
USSR Other producers	40	40	44	45	47	
Other producers Subtotal	3216	3492	3155	3133	3405	
Egypt, ELS	158	110	231	216	200	
Total	3374	3602	3386	3349	3605	
EXPORTS						
Egypt, L. STPL.	311	346	350	276	350	
India	38	11	400	150	300	
Israel	ĨĞ	25	63	47	80	
Peru	61	40	50	20	40	
Sudan	301	256	218	331	250	
United States 🗸	90	105	114	237	315	
USSR	.9	. 9	11	33	55	
Other producers	25	26	31	38	30	
Subtotal	851	818	1237	1132	1420	
Egypt, ELS Total	359 1210	316 1134	303 1540	160	200 1620	
IDIAL	1210	11.24	1940	1476	1020	

1/ Current USDA estimates.

Source: Cotton: Review of the World Situation, July - August 1988. International Cotton Advisory Committee. Washington, DC.

with the United States increasing slightly to a 19-percent share of 1988/89 ELS exports.

#### WORLD COTTON SITUATION AND OUTLOOK

#### **Production Rises**

In 1988/89, world cotton production is expected to rise 7 percent to nearly 86 million bales, as both area and yield increase. Because of this increase, world supplies will be up. However, at 82.7 million bales, consumption is projected to approximate last season's, increasing primarily among producers while falling among importers. With import demand expected to drop, world trade is forecast down 2 percent to 23.5 million bales (table I). Excess supplies will raise world stocks nearly 9 percent by the end of 1988/89; but all of the growth will occur in the United States. Foreign stocks are expected to fall 2 percent as their competitive prices raise exports, pushing their market share up and U.S. exports down (figure 7).

Outside the United States, weather has so far been normal to better than normal, and the major Northern Hemisphere competitors are still expecting improved crops. While Southern Hemisphere competitors may not all equal last year's spectacular harvests, they too expect large outturns. Foreign production is forecast at 71 million bales, 8 percent over 1987/88.

China, the largest producer, has had mixed weather this season. Drought and flooding in some areas since June may have affected some of the cotton crop; but it is still too early to assess the impact. According to China's most recent report, area is expected to exceed last year's, so production is still forecast up nearly 8 percent to 21 million bales.

The Soviet crop this year was planted on schedule under good weather conditions for the first time in several seasons. It is projected at 12.4 million bales, 9 percent above 1987/88.

In India, the performance of this year's monsoon has been excellent, and plantings are up considerably over last season's drought-impacted crop. Production is estimated to jump 22 percent to a record 8.6 million bales.

Pakistan, like India, has had a fine start to the rainy season, but reports indicate that flooding may now be a problem in some areas. Output is still likely to match last year's record 6.75 million bales.

Along the Mediterranean, crops are doing very well. Production for Spain, Greece, and Turkey is forecast at 450,000, 1 million, and a record 2.96 million bales, respectively, compared with 378,000, 827,000, and 2.47 million bales in 1987/88.

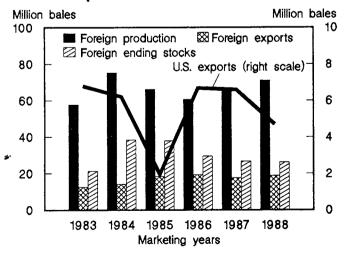
Egypt is benefiting from rains upstream which improved the water situation, and an output of 1.6 million bales is expected. A

#### Table I.--World cotton supply and use, 1987/88 and 1988/89 1/

World less United States							
tear beginning August l	United States	Major importers <u>2</u> /	Major exporters <u>3</u> /	Other	Total foreign	World	
		Million 4	80-pound bales				
1987/88							
Supply Regime ing stocks	5.0	5.6	16.0	7.9	29.5	34.5	
Beginning stocks Production	14.8	1.3	45.1	19.1	65.5	80.3	
Imports	4/	18.2	1.0	5.2	24.4	24.4	
Use	-7/	10.2	1.0		6707	27.7	
Mill use	7.7	18.8	36.3	19.8	74.9	82.6	
Exports	6.6	0.9	11.5	5.1	17.5	24.1	
Ending stocks	5.6	5.3	14.1	7.2	26.6	32.2	
1988/89							
Supply							
Beginning stocks	5.6	5.3	14.1	7.2	26.6	32.2	
Production	14.9	1.5	48.3	21.2	71.0	85.9	
Imports	4/	17.7	0.7	5.1	23.5	23.5	
Use							
Mill use	7.0	18.3	37.2	20.2	75.7	82.7	
Exports	4.7	1.1	12.3	5.4	18.8	23.5	
Ending stocks	8.9	5.0	13.4	7.8	26.2	35.1	

1/ Based on August 11, 1988, World Agricultural Supply and Demand Estimates report. 1987/88 estimated and 1988/89 projected. Totals may not add and stocks may not balance due to rounding, a small quantity of cotton destroyed, and differences unaccounted. 2/ Eastern Europe, Western Europe, Japan, Hong Kong, Republic of Korea, and Taiwan. 3/ Australia, China, Central America, Egypt, Mexico, Pakistan, Sudan, Turkey, and the USSR. 4/ Less than 50,000 bales.

#### Figure 7 Foreign Production and Exports Rise As U.S. Exports Fall



potential reduction, however, could be forthcoming in Sudan, as the same rains have recently flooded some of the 750,000 bales of cotton expected there.

Harvest has begun without problems in Mexico, where production is expected to rise 9 percent to 1.1 million bales. Peru and Colombia are also harvesting their first crop while completing planting of the second crop on expanded area.

Higher relative prices and incentives for competing crops are expected to reduce area somewhat in Brazil and Argentina. But Paraguay may continue to expand. Australia is likely to equal last season's large plantings, and better yields are anticipated because of more normal harvest weather.

#### Prices Falling, but Consumption Stable

With production prospects strong, world prices generally fell steadily in 1987/88 and are continuing to fall in early 1988/89. The A Index average of the 5 lowest quotes on the Northern European market has dropped in a pattern quite similar to that in 1984/85 and 1985/86 when the United States was priced out of the market (figure 8). The A Index was down to 60 cents per pound at the beginning of 1988/89, compared with 86 cents at the start of last season, and has since slipped to about 55 cents in late August.

Foreign consumption is anticipated to be up marginally, from 74.8 to 75.7 million bales, a 1-percent increase. Higher polyester prices and lower cotton prices are making cotton more attractive; but the recent slowdown in yarn and textile offtake is reducing import demand.

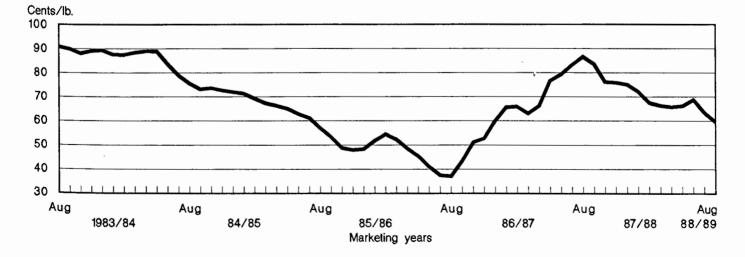
Use continues strong in producing countries that have substantial domestic demand. Expected consumption increases of 7 percent in Pakistan, 3 percent each in China and India, and 1 percent each in the Soviet Union and Turkey, a total of 1.1 million bales, will more than offset losses among importers.

Despite more attractive prices, cotton demand in Western Europe and Asia remains slow, and buyers are delaying purchases until closer to the time of use. Weak demand in part reflects slower offtake. But slower contracting also suggests buyers expect prices to fall further later in the year. Taking Japan as an example, as of the end of July it had forward purchased only 729,000 tons for 1988/89 delivery, compared with 1.6 million by the same date last season (figure 9).

#### Foreign Exports Rise as U.S. Exports Fall

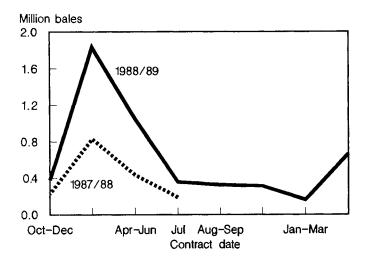
With production rising but importers' demand slow, export price competition has intensified to the benefit of foreign exporters. Foreign exports are expected to rise 1.3 million bales to 18.8 million in 1988/89, an 8-percent increase, raising the foreign share of the market.

Until the United States becomes more competitive, U.S. exports are projected to



#### Figure 8 A Index Prices Fail

## Figure 9 Japan's Cotton Contracts Slow



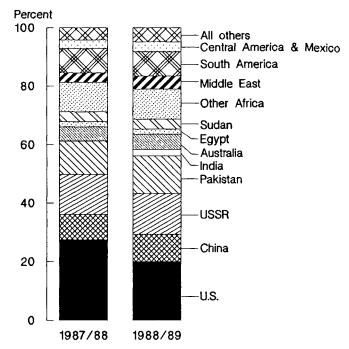
total only 4.7 million bales for 1988/89, 29 percent below last season. And the U.S. share of world trade is expected to drop to 20 percent, compared with 27 percent in 1987/88 (figure 10).

Exports are expected to rise among many foreign producers. Because a record 1987/88 crop in Pakistan had not been anticipated until late in the season, substantial exports from that crop will carry over into 1988/89. Similarly, Southern Hemisphere producers with large 1987/88 crops, such as Australia, Paraguay, and Argentina, are also likely to carry exports over into 1988/89 in competition with the U.S. harvest. In addition, increased exports are anticipated from producers recovering from 1987/88 difficulties, such as India, Greece, Spain, Turkey, Syria, and Central America. China, the Soviet Union, Egypt, and western Africa may equal last season's large exports, but are not expected to raise them despite good production.

#### U.S. WOOL SITUATION AND OUTLOOK

Raw wool mill consumption in the second quarter of 1988 was 36.5 million pounds, clean, almost 5 percent below the first quarter and 3 percent below a year earlier (table J). Apparel mills used 32.7 million pounds. The woolen system consumed 13.8 million pounds, almost 11 percent below the previous quarter and 18 percent below a year earlier. The worsted system used 18.9 million pounds, 3 percent above the first quarter and nearly 9 percent more than a year earlier. Carpet

#### Figure 10 U.S. Share of World Exports Drops



mills took 3.8 million pounds in the second quarter, 15 percent below the first. Total raw wool mill use in 1988 is estimated to be 145 million pounds, 2 percent above last year (table K).

Woolen system mills used a smaller share of the more expensive 60's and finer grades in the first and second quarters of 1988, 45 and 47 percent, respectively, compared with an average of 53 percent for all the 1987 quarters. The worsted system's share of 60's and finer grades did not fall until second-quarter 1988, when it was 73 percent. During the first quarter it was 79 percent and averaged 78 percent during 1987.

The declining use of the more expensive raw wool grades, finer-than-58's, by American mills is also reflected by import data. These fine grades represented 74 percent in the first quarter and 67 percent in the second. Finer-than-58's raw wool accounted for 56 percent of total raw wool imports in 1986 and 61 percent in 1987.

Stocks of raw wool as of January 1, 1988 were 45.4 million pounds, scoured basis, compared with 50.7 million on January 1, 1986. Apparel raw wool stocks were 40.3 and 46.3 million pounds, respectively. Carpet raw wool stocks were 5.1 and 4.4 million pounds,

Year	Apparel wool	Carpet wool	Total
,		1,000 pound	s
1982	105,857	9,825	115,682
1983	126,729	13,851	140,580
1984	128,982	13,088	142,070
1985	106,051	10,562	116,613
1986	126,768	9,960	136,728
1987	129,677	13,092	142,769
anMar.			-
1982	31,988	2,576	34,564
1983	30,214	3,462	33,676
1984	36,623	3,438	40,061
1985	26,846	3,000	29,846
1986	32,465	2,583	35,048
1987	33,801	2,828	36,629
1988 1/	33,723	4,527	38,250
prJune			
1982	26,960	2,405	29,365
1983	32,636	3,644	36,280
1984	36,252	3,940	40,192
1985	27,882	2,537	30,419
1986	33,653	2,387	36,040
1987	34,175	3,333	37,508
1988 2/	32,673	3,849	36,522
uly-Sept.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,	,
1982	22,415	2,728	25,143
1983	30,712	3,865	34,577
1984	29,326	2,721	32,047
1985	25,025	2,887	27,912
1986	30,106	2,739	32,845
1987	30,041	3,748	33,789
ctDec.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
1982	24,494	2,116	26,610
1983	33,167	2,880	36,047
1984	26,781	2,989	29,770
1985	26,298	2,138	28,436
1986	30,544	2,251	32,795
1987	31,660	3,183	34,843

Table J.--U.S. mill consumption of raw wool, scoured basis

1/ Revised. 2/ Preliminary.

Source: Bureau of the Census.

respectively. These stocks include domestic wool and foreign wool stocks in the United States.

U.S. prices of territory raw wool softened slightly by August from second-quarter prices. The 64's declined 2 percent in August to \$4.50 clean basis, while 62's were unchanged. The 58's were \$2.44, down 4 percent, while 56's were unchanged at \$2.14. The simple average price received by farmers for raw wool, grease basis, in July was \$1.33, down 19 percent from June, but 51 percent above a year earlier (table L).

The domestic prices for the finer grades of Australian wool, clean basis, also softened

Table K.--Woot supply and disappearance, clean content

ltem	1983	1984	1985	1986	1987	1988 17
		M	lillion	pounds		
Stocks,						
January I	58.4	58.9	51.6	50.7	46.9	45
Production	55.1	51.1	47.2	45.5	46.0	48
Imports	78.1	94.2	79.5	97.0	105.1	100
Diff. unacc.	8.9	-10.0	-9.6	8.8	8.8	0
Total supply	200.5	194.2	168.7	184.4	189.2	193
Mill use	140.6	142.1	116.6	136.7	142.8	145
Exports	1.0	0.5	1.4	0.8	1.0	1
Total use	141.6	142.6	118.0	137.5	143.8	146
Stocks,						
December 31	58.9	51.6	50.7	46.9	45.4	47

I/ Estimated by the USDA. All projections are rounded.

Source: USDA and Bureau of the Census.

Table L.--Average U.S. farm prices per pound for shorn wool, grease basis I/

Month	1983	1984	1985	1986	1987	1988
			Cent	5		
January	50.1	58.4	59.2	52.2	58.7	75.2
February	57.1	67.1	58.7	54.4	69.1	93.3
March	56.0	79.3	61.0	61.9	78.7	118.0
April	65.7	87.9	67.9	70.0	99.7	153.0
May	65.0	86.5	68.5	73.7	106.0	165.0
June	63.5	86.6	69.8	75.5	108.0	161.0
July	62.7	82.3	64.0	67.5	87.0	133.0
August	59.6	78.5	60.2	65.9	83.1	128.0
September	57.2	74.3	59.5	57.6	93.6	
October	66.4	80.2	66.6	69.7	95.5	
November	70.1	67.5	58.5	64.0	84.1	
December	64.1	69.4	56.8	59.4	81.4	
Average	61.3	79.5	63.3	66.8	91.7	

I/ Weighted market average price.

Source: Agricultural Prices, National Agricultural Statistics Service.

by August from their average second-quarter prices. The super-fine grades declined, in general, less than the fine grades. The 80's, at \$8.71 in August, were down 11 percent, and the 70's, \$7.41, were down 7 percent. In contrast, the 64's, \$4.57 in August, and 62's, \$3.97, were down 15 and 14 percent, respectively. The 58's declined 14 percent to \$3.12, and 56s, 8 percent to \$2.91.

U.S. imports of raw wool in the second quarter were 25.1 million pounds, clean, down 25 percent from the first quarter and 19 percent below a year ago (table M). Dutiable wool imports were 19.1 million pounds, 28 percent below the first quarter and 12 percent below a year earlier (figure 11). About 93

Table MU.S.	imports of dut	iable and duty-free
raw wool f	or consumption,	clean content

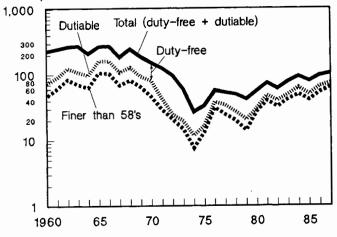
Year	Dutiable	Duty-fræ	Total
		1,000 pounds	
1982	39,988	21,433	61,421
1983	49,371	28,688	78,059
1984	63,271	30,906	94,177
1985	50,164	29,308	79,472
1986	66,090	30,901	96,991
1987	74,054	31,066	105,120
JanMar.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
1982	15,356	5,515	20,871
1983	10,549	5,639	16,188
1984	20,665	7,303	27,968
1985	15,139	7,397	22,536
1986	19,749	6,910	26,658
1987	20,434	5,805	26,239
1988	26,763	6,753	33,516
AprJune	20,705	-,	
1982	10,798	6,620	17,418
1983	12,216	6,902	19,118
1984	16,761	8,126	24,887
1985	9,661	7,951	17,612
1986	16,744	7,401	24,145
1987	21,829	9,126	30,954
1988	19,150	5,965	25,115
July-Sept.	,	.,	
1982	7,417	5,464	12,881
1983	10,818	6,614	17,432
1984	12,035	10,003	22,038
1985	11,573	7,158	18,731
1986	12,922	8,235	21,157
1987	13,974	9,761	23,735
OctDec.		•	
1982	6,418	3,834	10,252
1983	15,788	9,533	25,321
1984	13,810	5,474	19,284
1985	13,790	6,803	20,593
1986	16,676	8,355	25,032
1987	17,818	6,374	24,192
			-

Source: Bureau of the Census.

#### Figure 11

#### Finer Grade Wool More Important

Million pounds



percent came from 3 countries: Australia -78 percent, New Zealand-10 percent, and Uruguay-5 percent.

Duty-free imports, 6.0 million pounds, were 12 percent below the first quarter and 35 percent less than a year ago. About 93 percent came from 3 countries: New Zealand-74 percent, the United Kingdom-11 percent, and Argentina-8 percent.

The share of raw wool imports entering the United States through the New England and Middle Atlantic customs districts declined from 45 percent in 1985 to 25 percent during the first 6 months of 1988 (table N). Conversely, the percentage entering through the South Atlantic and other districts has risen from 55 percent to 75 percent. During the January–June period about 66 percent of the duty-free wool came through the New England and Middle Atlantic regions compared with 13 percent of the dutiable. In contrast, most of the dutiable raw wool, 87 percent, entered through the South Atlantic and other customs districts while 34 percent of the duty-free did.

#### WORLD WOOL SITUATION AND OUTLOOK

The latest data indicate that world raw wool production in the 1988/89 season, 4.06 billion pounds, clean, will be a record high. It is 2 percent above the previous season and 6 percent above the preceeding 5-year average. More finer grade merino wool will be available in the coming season. The composition of the 1988/89 world wool clip is divided as follows: merino-46 percent compared with 45 percent last year; crossbred-28 percent in both years; and coarser grades-26 percent compared with 27 percent last year.

In absolute terms, the five countries making the biggest contribution to the 83.8-million-pound, clean, increase over last season were Australia-48.5 million, China-17.6 million, Argentina-15.4 million, Uruguay-8.8 million, and the United Kingdom-6.6 million. The two countries experiencing the largest decline were New Zealand-17.6 million pounds, and the Soviet Union-6.6 million.

Mills in 9 major wool textile manufacturing countries experienced increased activity in first-quarter 1988. Mill

Table N.--Raw wool imports by regions 1/

	Duty-free			Dutiable				Total				
Region	1985	1986	1987	Jan-June 1988	1985	1986	1987	Jan-June 1988	1985	1986	1987	Jan-June 1988
					P	ercent						
New England Middle Atlantic	34 36	34 33	30 38	26 40	28 3	25 2	16 2	12 1	30 15	28   2	20   2	15 10
South Atlantic and other 2/	30	33	32	34	69	73	82	87	55	60	67	75
Total	100	100	100	100	100	100	100	100	100	100	100	100

1/ Imports entered through customs districts in the respective regions. 2/ Includes customs districts along the Gulf, the Mexican border, the Pacific Coast, and the Canadian border.

Source: Bureau of the Census.

consumption of raw wool at the carding stage was 383 million pounds, clean, 8 percent more than fourth-quarter 1987 and 6 percent above a year earlier. Production of yarns spun on the worsted system in 10 major producing countries in first quarter 1988 was 485 million pounds, clean, 6 percent above the previous quarter. Yarn production on the woolen system in 8 countries was 295 million pounds, 9 percent more than the previous quarter.

Prices in the Australian market softened in the second quarter at the end of the 1987/88 season. The Australian Market Indicator (AMI, a weighted average index of 13 wool categories) declined 2 percent in May from the record high in April of A1257 cents per kilogram, while the Australian Wool Corporation's stockpile declined 8 percent. In June, the AMI closed the season at 1118, 9 percent below the May level. The average AMI for the 1987/88 season was 1003, 60 percent above the previous year. Season-ending stocks were a negligible 9,000 bales. By comparison, stocks at the end of the 1986/87 season were 346,000 bales, and 895,000 in 1985/86.

Four countries accounted for almost 52 percent of the wool exported by Australia, 1.78 billion pounds, greasy, during the first 11 months of the 1987/88 season: Japan-20 percent, China and the Soviet Union-11 percent each, and Italy-10 percent.

The 1988/89 floor price for the AMI has been set at 870, 35 percent above last season. Five weeks into the new season the AMI dropped 7 percent. Nevertheless, the offering of the new season's clip has attracted firm and widespread trade demand. The Australian Wool Corporation has purchased only 1-2 percent of the offering. While stocks at 13,000 bales are 60 percent more than at the season's opening, they were only 7 percent of the level a year earlier and 2 percent of 2 years ago. The principal buyers for Australian wool came from eastern and western Europe and the Far East.

The New Zealand wool market indicator in the last quarter rose to a 1988 high of 612 in April. During the next 2 months prices softened slightly, down 3 percent in May and an additional 1 percent in June. The New Zealand market indicator ended the season in June at 599. The New Zealand Wool Board purchased 13 percent of the April-June offering, leaving stocks virtually unchanged at 94,350 bales.

New Zealand exported 736 million pounds, greasy, during the 1987/88 season. Five countries purchased a total of 53 percent: China-20 percent, the United Kingdom-10 percent, the Soviet Union and Japan-9 percent each, and Belgium-6 percent.

The New Zealand wool market began this season on a rather strong basis. By mid-August, the MI had reached 635, 6 percent above last season's close. The buyers were from the Far East and Europe. The minimum floor for the 1988/89 season is 500, up 5 percent from last season.

The South African wool market came to a record high in April when the MI reached 2,231. Prices softened in May with the MI averaging 2,174 down 3 percent. About 87 percent of the May offering was sold, compared with 96 percent in April. During May, stocks fell 1 percent to 17,258 bales.

In the past wool-selling season the South African offering was 587,000 bales, 3 percent more than the previous season. Trade clearances averaged 93 percent, slightly below the 95 percent in 1986/87. The MI averaged 1644 cents per kg, 77 percent above the 1986/87 average.

#### MOHAIR

American exports of mohair during second-quarter 1988 were 4.0 million pounds, clean, 23 percent more than the first quarter and 1 percent above the comparable period last year. About 81 percent of the second-quarter shipments went to 3 countries; the United Kingdom, 71 percent, and 5 percent each to India and France. Exports in 1988 are expected to be 13 million pounds, 7 percent below last year (table 30).

Stocks of mohair were reported to be 1.78 million pounds, scoured basis, as of January 1, 1988. Adult and young goat hair (30's and coarser) stocks were 1.65 million, and kid (31 and finer) 0.12 million. Two years earlier these respective quantities were 1.30, 1.15, and 0.16 million pounds.

Recent data from Turkey concerning production and exports of mohair, grease basis, for the last decade are shown in table O. Domestic consumption and stockpiling represent the difference between production and exports. In 1987, the USSR purchased a very large quantity of Turkish mohair.

Table 0.--Mohair production and exports of Turkey

Year	Production	Exports
	Million	pounds
1978	8.82	8.88
1979	8.82	3.89
1980	9.92	3.00
1981	9.92	8.13
1982	8.82	9.38
1983	8.82	10.87
1984	7.13	4.87
1985	7.72	4.45
1986	7.72	4.37
1987	7.72	8.34

Source: Turkish Consulate General Office of the Economic and Commercial Counselor, United Nations, New York. The manmade fiber industry experienced a high level of production, factory shipments, and mill consumption in second-quarter 1988. Production in the second quarter was 2.3 billion pounds, 3 percent more than the first quarter and 2 percent above a year earlier (table 26). Output of nonglass manmade fibers was the largest since second-quarter 1981. End-of-June stocks at producers' plants were 6 percent above the March level. Staple fiber stocks (mostly acrylic and nylon) were up 12 percent, while filament stocks were only 4 percent more than the March level.

Domestic shipments of noncellulosic fibers in the second quarter were 1.98 billion pounds, 1 percent above the previous quarter and the same as a year earlier. Staple fiber shipments, almost 1 billion pounds, were slightly above the first quarter. Filament fibers, at 0.98 billion pounds, were 2 percent ahead of the previous quarter.

Plants producing nonglass manmade staple fiber operated at an average capacity of 90 percent during first-half 1988, compared with an average of 93 percent last year. Filament fiber plants operated at an average capacity of 89 percent in the same period this year, compared with an average of 87 percent last year. To obtain a desired rate of return on investment, fiber producers need to operate at 85 to 90 percent of capacity.

Recent data on nonglass manmade fiber capacity indicate that the industry plans to expand 2 percent annually into 1990 (table 26). The more significant expansion rates will be olefin staple (6 percent) and filament (5 percent). Nylon filament capacity is expected to expand 3 percent annually.

Consumption data for the first quarter are shown for three fiber markets in table 27. The carpet market continues to be the largest (45 percent), consuming almost 727 million pounds. Carpet use of fibers has continued at a high level despite a softness in 1988 construction activity. First-quarter use was more than 7 percent above the average quarterly shipment of the last 2 years. It is believed that many homeowners have been influenced by the recently developed and promoted "stain resistant" carpet properties, and have been replacing significant quantities. Nylon, at 63 percent, continues as the major carpet fiber. Olefin fibers, in second place, constitute 28 percent. Preliminary data for the second quarter indicate that 449 million pounds of nylon were shipped to carpet manufacturers. These shipments, while 2 percent below the first quarter, are 1 percent above the average quarterly nylon carpet use in 1986 and 1987.

Woven textiles continue as the second largest manmade fiber market. About 564 million pounds were used in the first quarter, 3 percent above the 1986/87 quarterly average. Polyester at 57 percent and olefin fibers at 17 percent together constitute almost three-fourths of this market.

The knit market used about 328 million pounds in the first quarter, 1 percent above the previous quarter. Polyester fiber's (175 million pounds) share was 53 percent, down from 58 percent in the fourth quarter. Nylon fibers, at 61 million pounds, did not lose their share, 19 percent. Acrylic fibers (85 million pounds) regained their share in the first quarter, 26 percent, compared with 21 percent in the fourth quarter.

Prices of raw materials used to make noncellulosic fibers strengthened in the first 7 months of 1988 due to strong domestic demand, exports aided by a weak dollar, and an unplanned plant shutdown (table P).

Para-xylene (a raw material for polyester fiber) experienced a 45-percent price rise, from 17.5 cents per pound early in the year to a reported 25.5 cents in late July. Ethylene glycol (a raw material for polyester fiber) doubled in price from 22 cents a pound in January to the 42-45 cent range in the third quarter. A short supply and firm demand from both fiber and nonfiber markets resulted in the price rise. Cyclohexane (a raw material for nylon) had a modest price rise. The demand was strong but no supply shortage existed. Since January its price rose 16 percent, from \$1.054 per gallon to \$1.219 in late spring.

The price of acrylonitrile (a raw material for acrylic fibers) was 36 cents per pound in May, down 1-2 cents from the beginning of the year due to lower acrylic fiber demand and lower propylene (a raw material for acrylonitrile) prices. Caprolactam's (a raw material for nylon) price rose 2-5 cents per pound, from 85 cents per pound to the 87-90 cent range during the first 7 months of 1988. A strong overseas demand and high domestic nylon production prompted this increase.

Product	January	February	March	April	Мау	June	July	August
Para-xylene <u>I</u> /	17.5	17.5	17.5	17.5-21.5	21.5	22.8-23.5	23.5-25.5	NA
Propylene <u>I</u> /	18	18	17	17	17	17	17	NA
Ethylene glyco <u>I</u> /	22	26-28	30-32	· 30-32	27-27.5	30-32	42-45	42-45
Cyolohexane <u>2</u> /	1.054	NA	1.199	1.260	1.219	1.219	1.219	NA
Aorylonitrile <u>I</u> /	37-38	NA	NA	NA	36	NA	NA	NA
Caprolactani <u>2</u> /	85	85	85	85	85	85-87	87-90	NA

Table P.--Reported spot prices of raw materials for manmade fibers, 1988.

1/ Cents per pound. 2/ Dollars per gallon. N.A. = Not available

Source: Chemical Marketing Reporter

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#### FACTORS INFLUENCING DISAGGREGATED DEMAND FOR COTTON FIBER AT THE MILL LEVEL

#### Eluned Jones-Russell and Thomas L. Sporleder\*

Abstract: Estimation of mill demand of cotton fiber is shown to be influenced by different market factors depending on end-use category. Blend prices for each end-use and spinning technology are significant in explaining mill end-use demand for cotton fiber. Yarn prices for end-use categories also influence demand for cotton fiber inputs. Results indicate that once open-end spinning was introduced cotton blend prices and yarn prices for open-end spinning were more important in explaining mill demand for cotton fiber than prices associated with ring spinning.

Keywords: Cotton end-use demand, blend prices, yarn prices, spinning technology.

#### Introduction

Recent studies of mill use of cotton fiber indicate that technology advances in spinning systems have led to an increased awareness of the differing importance of fiber characteristics — staple length, micronaire, grade, and strength (Jones-Russell and Sporleder, 1988a). Mill survey results indicate that minimum fiber characteristic requirements depend on the spinning technology and intended end-use interaction. Since growths of cotton fiber are blended to achieve the minimum requirements for an end-use, a unique blend price is expected for each end-use category (Jones-Russell and Sporleder, 1988b). Mill demand is shown to be quite sensitive to differing price-quality relationships across end-uses.

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#### Estimation of Mill-Level Fiber Prices

The minimum fiber characteristics requirements for each end-use and spinning technology interaction may be obtained from mill surveys (Jones-Russell and Sporleder, 1988a). A linear-programming approach was used to derive the minimum blend price for fiber inputs into each end-use and spinning technology interaction (Jones-Russell and Sporleder, 1988b). The set of growths entering into each optimal blend was comparable to the mill survey results, indicating that mills minimize cost of cotton fiber inputs.

#### Cotton Fiber Demands at the Mill Level: General Specification

Broadwoven fabric demand was defined to consist of eight end-use categories that are typically woven from the same yarn-count range and which have distinct processing requirements (Bureau of Census, and Rogers, 1978). The quantity of cotton fiber in different end-uses depends on consumer demand for each end-use, whether the end-uses are mostly 100-percent cotton or polyester/cotton blends, and on the weight of the cloth. Heavier weight, or coarse yarn, end-uses yield fewer square yards of woven fabric per pound of fiber. For example, denim and towelling end-uses yield about 1.5 square yards per pound of fiber. Conversely, lighter weight fabrics, or fine yarn counts, such as apparel and printcloth, yield over 3.5 square yards of woven fabric per pound of fiber (Bureau of the Census). Demand for cotton fiber at the mill is estimated as the quantity consumed in each end-use category.

The general specification comprises explanatory variables which may influence mill demand for cotton fiber by end-use:

(1)	DMCi =	f (PCi, Ppoly, TECH, PYi, PCE,
		PCEclothing, ACTSPINDLE,
		RING, OE, INV, IMP, EXPi, Q)

where

DMCi = Per capita U.S. mill demand for cotton fiber inputs by end-use category i.

PCi = Derived blend price for cotton fiber (c/lb) by end-use category i deflated by the Bureau of Labor Statistics consumer price index for apparel and upkeep.

- PYi = Deflated price of yarn (c/lb) by end-use category i deflated by the Bureau of Labor Statistics consumer price index for apparel and upkeep.
- Ppoly = Deflated price for polyester staple (c/lb) deflated by the Bureau of Labor Statistics consumer price index for apparel and upkeep.
- INV = Inventory to unfilled order ratio for broadwoven fabric.
- ACTSPINDLE = Number of spindles and rotors (1,000's)
  - active, U.S.
- RING = Number of spindles, U.S. (1,000's).
- OE = Number of open-end rotors, U.S. (1,000's).
- PCE = Domestic personal consumption expenditures deflated by the Bureau of Labor Statistics consumer price index for apparel and upkeep.
- PCEclothing = Domestic personal consumption expenditures for clothing deflated by the Bureau of Labor Statistics consumer price index for apparel and upkeep. IMPi = Imports by end-use
- category i (1,000 lb. cotton equivalents). EXPi = Exports by end-use
- category i (1,000 lb. cotton equivalents).
- TECH = Dummy for open-end spinning introduction (1975-1980 = 1, 1981-1985 = 0)

Q = Dummy for quarterly effects (eg. allows for changes in mill demand such as ceasing manufacturing operations in the summer for vacations).

Analysis is based on quarterly data for 1975 through 1984 crop years. The quantity of cotton in different end-uses is reported by calendar quarters. Since the producer level spot price is Smith-Doxey based, which excludes strength information, this price series is considered inappropriate to reflect mill demand for fiber characteristics. Landed mill-point prices were used to derive the blend prices for each end-use category, since these reflect average price paid at the mill (Jones-Russell and Sporleder, 1988b). Yarn prices are expected to be significant in explaining demand for cotton fiber. Furthermore, yarn prices are available for both 100-percent cotton and polyester/cotton blends, and by ring-spun and open-end rotor technologies.

Since U.S. cotton consumption is expected to be positively correlated with population, demand is estimated in terms of per capita consumption. The derived blend prices are used to estimate cotton fiber demand for each end-use category. The polyester-cotton blending ratio in each category has been fairly consistent over the past 10 years due to technical requirements in spinning, consumer tastes for 'easy-care' fabric, and the 'stickiness' of changing from established blends. The eight end-use categories range from almost no use of polyester (denim), through the standard 50:50 polyester/cotton sheeting, to fine broadcloth and printcloth with a 60:40 polyester/cotton blend ratio. The use of a polyester price as an explanatory variable in the demand equation for denim would be redundant, whereas exclusion from the estimation of fiber demand for fine broadcloth and apparel would result in specification error.

Adoption of new spinning technologies may alter fiber demand through increased productivity, and must be captured in the analysis. A discrete variable approach is used to determine whether technology impacts, if significant, caused a shift in demand (additive effect), or caused a change in the demand relationship (multiplicative effect or interaction term).

#### Estimation Results

Specifications of mill demand for cotton fiber are different for all eight end-use categories. Demand for each end-use category was initially estimated by ordinary least squares, and all end-uses were subsequently reestimated as a system using Zellner's Seemingly Unrelated Regression Procedure. The weighted R-square, corresponding to the approximate F-test on all non-intercept parameters in the system, was 0.91. The increased efficiency was primarily associated with cotton blend prices in the 100-percent cotton, coarse yarn count end-use categories. To save space only the results for denim and apparel end-uses are presented.

#### Coarse Yarn Count End-Uses

The impact of open-end spinning is most visible in the estimations of cotton demanded in denim, duck, towelling, and corduroy end-uses. A discrete variable was used to define a period during which open-end spinning was commercially accepted. In all four coarse end-use demand estimations, ring-spun blend prices explained the period where only ring spinning prevailed. Once open-end spinning was introduced, the blend prices for inputs into denim, duck, towelling, and corduroy were statistically significant and superior to blend ring prices.

The impact of new spinning technologies is incorporated via the RING, OE, and ACTSPINDLE variables, which proxy productivity. The number of spindles in place for ring and open-end spinning systems are given by RING and OE respectively. The ACTSPINDLE variable serves as a proxy for capacity utilization. An increase in open-end rotors (OE) indicates an associated increase in cotton demanded for denim end-uses.

The influence of yarn prices on cotton demanded for denim end-uses was found to be significant. Yarn prices for both ring and open-end spun denim positively influence mill demand. Ring and open-end yarn prices for towelling end-uses imply a decrease in demand for cotton inputs into denim end-uses. The cotton input and yarn prices for ring spun end-uses were significant, with a one-period (one quarter) lag. The equivalent open-end spun prices were all significant, with a two-period (two quarter) lag. The quantity of cotton demanded for denim end-uses in the current period is influenced by the relationship between input, own- and competing-end-use varn prices in the previous quarter for ring-spun denim, and two quarters previously for open-end spun denim (table 1).

Changes in income, either as personal consumption expenditures in total, on a per capita basis, or specifically for clothing did not significantly influence demand for cotton in denim end-uses.

#### Fine Yarn Count End-Uses

In contrast with the coarse yarn count demand estimations, these estimations were expected to be affected by very different market factors. This class of fabrics was not significantly affected by new spinning technologies within this study. However, polyester staple prices were expected to influence the quantity of cotton demanded, particularly in the polyester/cotton blend end-uses. Imports of primarily cotton cloth increased from 40,000 to 60,000 bales in cotton equivalent terms between 1975 and 1985. Over the same period, apparel and manufactured product imports, which include polyester/cotton blend end-uses, increased

Table I--Parameter estimates for SUR estimation of cotton fiber demanded by U.S. mills for input into denim end-uses, 1975-1984.

Notation		: Parameter estimates	: :Standard :error of :estimate :	
a <sub>o</sub>	: : :Intercept	-1.4879	: : : 1.1693	
TECH75/78 <sup>* PC</sup> Denim, Ring, t-I	: :Interaction between price of cotton :fiber inputs into ring spun denim :enduses, lagged I quarter, with a :dummy variable for 1975–1978	: -0.1878 <sup>a</sup> : :	: 0.0755 : :	
<sup>PC</sup> Denim, Open-end, <sub>†-2</sub>	: :Price of cotton fiber inputs into :open-end spun denim end-uses, lagged :2 quarters for 1979–1984	: -0.2452 <sup>a</sup> :	: : 0.0961 : :	
0E	: :Number of open-end rotors in U.S. :mills	: 1.2256ª	: 0.2431 :	
ACTSPINDLE	: :Number of active spindles and rotors :in U.S. mill	0.1052 <sup>c</sup>	: : 0.0583 :	
PCETEX	: :Personal consumption expenditures on :clothing	: : 0.0001 :	: : 0.0025 :	
<sup>PY</sup> Denim, Ring, t-I	: :Price of ring spun yarn for denim :end-uses, lagged I quarter	: 0.4432 <sup>b</sup> :	: : 0.2010 :	
<sup>PY</sup> Denim, Open-end, t-2	: :Price of open-end spun yarn for denim :end-use, lagged 2 quarters	: 2.3055 <sup>a</sup> :	: : 0.5403 :	
PYTowel, Ring, t-I	: :Price of ring spun yarn for towel :end-use, lagged   quarter	: -0.0951b :	: : 0.0502 :	
<sup>PY</sup> Towei, Open-end, t-2	: :Price of open-end spun yarn for towel :end-use, lagged 2 quarters	: : -2.1130ª :	: 0.5024 :	

а Significant at 1% level of significance Significant at 5% level of significance b

С

Significant at 10% level of significance

from approximately 1/3 million bales to over 1 million bales. These two categories account for 80 percent of all textile imports and were expected to have the greatest influence. Exports of fine broadcloth were found to influence the quantity of cotton demanded in apparel end-uses.

Previous analyses of mill demand for cotton, generally estimated over a longer period of time, consider polyester staple as a competing input. Disaggregated estimates indicate that where polyester staple is used in blended end-uses, the 'fixed' proportion use of cotton and polyester staple exhibit a complementary relationship. As expected, the influence of polyester staple price on the quantity of cotton demanded in apparel end-uses is negative and significant. The 1978 and 1984 mill surveys indicated that the most common blend was 65:35 polyester/cotton. Given this weighting, a change in the polyester staple price would be expected to have a greater impact on cotton fiber demand than the cotton fiber price (table 2).

Although apparel yarn prices are significant in explaining demand for cotton fiber used in apparel, a change in the polyester/cotton yarn price should have a greater impact on demand for polyester staple. In this instance the yarn price reflects the effect of both cotton and polyester fibers

in the end-use, as compared with only cotton in denim end-uses.

During the 1970's a major shift from 100-percent cotton to polyester/cotton blends resulted in a drastic decline in 100-percent cotton broadwoven goods consumption. This change in consumer tastes and preferences was still apparent in the late 1970's. The more sensitive disaggregated per capita personal consumption expenditures on clothing, PCPCETEX, provided the expected positive relationship with demand for cotton in polyester/cotton end-uses. The ratio of PCPCETEX to disposable personal income. PCETXDPI, was expected to be sensitive to the impact of income changes on the demand for cotton. An increase in this ratio indicated a positive influence on the quantity of cotton demanded in apparel end-uses.

#### Summary

The impact of new spinning technology on cotton fiber demand is considerable. Introduction of new technologies often requires adjustments within an industry, but these changes are expected to take place gradually.

Two factors emerge as important in the textile industry; 1) fiber strength information,

Notation	; : :Independent variable : :	: :Parameter :estimates :	:Standard :error of :estimate :
a <sub>o</sub>	: :Intercept	: -0.1426	: 0.0292
PC <mark>A</mark> pparel, Ring, t-1	: :Price of cotton fiber inputs into :ring spun apparel end-uses, lagged :l quarter	: -0.0920 <sup>a</sup> :	: : 0.0227 : :
P <sub>polyester</sub>	: Price of polyester staple fiber	: : -0.1338ª	: 0.0236
PCETXDPI	: Ratio of per capita personal consumption expenditures on clothing to per capita personal disposable	: 0.6446 <sup>a</sup>	: : 0.1747 :
<sup>PY</sup> Apparel, Ring	:income :Price of ring spun yarn for apparel :end-uses	: 0.1632ª	: 0.0224 :
EXP <sub>Appare</sub> i	: :Exports of fine broadcloth :	: 0.1038 <sup>b</sup>	: 0.0514

Table 2--Parameter estimates for SUR estimation of cotton fiber demanded by U.S. mills for input in apparel end-uses, 1975-1984.

Significant at 1% level of significance Significant at 5% level of significance

and 2), the 'learning' period needed for the mills to develop the minimum cotton input requirements for yarns spun on open-end spinning systems. Neither factor diluted the sudden impact of technology change. Results from fiber input cost minimizations (Jones-Russell and Sporleder, 1988b) show clear differences in industry ranking in the inportance of fiber characteristics for use on ring and open-end rotor systems. These differences are also translated, via the derived blend prices (Jones-Russell and Sporleder, 1988b), into significant differences in estimates of mill demand for cotton for different end-uses.

The estimations of mill demand for cotton in coarse yarn end-uses indicated a significant change from the use of ring-spinning systems to open-end rotor systems around 1980. The influence of yarn prices on cotton fiber demand was, in general, greater than expected. The separate influence of ring and open-end produced yarn prices was particularly noticeable in the demand estimations for denim end-uses. It is clear that yarn prices by end-use must be considered if accurate estimates of mill demand for cotton fiber are to be obtained.

Broadcloth end-uses account for over two-thirds of all cotton fiber consumption. Coarse yarn end-uses account for 60 percent of broadcloth consumption, of which almost half is denim. Thus, technology changes in coarse yarn categories will have a greater impact than changes in fine yarn categories. In contrast, mill demand for cotton used in apparel end-uses accounts for only 2.5 percent of cotton consumed in broadcloth end-uses. Any changes in the factors influencing demand for cotton in apparel will have marginal impact on mill-level cotton consumption, unless those factors are common to the fine yarn categories.

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Table	1U.S.	cotton	supply	and	use,	1960/61-88/89
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		Area			Sup	γlγ		Di	isappearance	•			
Crop Mear	Planted	Harvested	Yield	Begin- ning stocks 1/	Produc- tion 2/	Imports	Total	Mill use 3/	Exports	Total	Unac- counted 4/	Ending stocks	Farm price 5/
	1,000	acres	Lbs./ acre				1,000	480-16.	baies				Cents/ Ib.
960	16,080	15,309	446	7,501	14,237	129	21,867	8,353	6,857	1,210	399	7,056	31.5
961	16,588	15,634	438	7,056	14,283	153	21,492	9,017	5,056	14,073	280	7,699	34.3
962	16,293	15,569	457	7,699	14,827	137	22,663	8,484	3,429	11,913	386	11,136	33.2
963	14,843	14,212	517	1,136	15,294	135	26,565	8,696	5,775	14,471	257	12,351	33.6
964	14,835	14,055	517	2,351	15,144	118	27,613	9,261	4,195	13,456	92	14,249	31.0
965	14,152	13.615	527	4,249	14,951	118	29,318	9,596	3,035	12,631	341	17,028	29.3
266	10,349	9,552	480	7,028	9,555	105	26,688	9,574	4,832	14,406	62	12,344	21.7
67	9,448	7,997	447	2,344	7,443	149	19,936	9,077	4,361	13,438	86	6,584	26.7
68	10,912	10,160	516	6,584	10,925	168	17,577	8,332	2,825	11,157	124	6,544	23.1
969	11,882	11,058	434	6,544	9,990	52	16,586	8,114	2,878	10,992	249	5,843	22.0
970	11,945	11,155	438	5,843	10,192	37	16,072	8,204	3,897	12,101	232	4,203	22.9
971	12,355	11,471	438	4,203	10,477	72	14,752	8,259	3, 385	11,644	150	3,258	28.2
972	14,001	12,984	507	3,258	13,704	34	16,996	7,769	5,311	13,080	305	4,221	27.3
973	12,480	11,970	520	4,221	12,974	48	17,243	7,472	6,123	13,595	160	3,808	44.6
974	13,679	12,547	441	3,808	11,540	34	15,382	5,860	3,926	9,786	112	5,708	42.9
975	9,478	8,796	453	5,708	8,302	92	14,102	7,250	3,311	10,561	140	3,681	51.3
976	11,636	10,914	465	3,681	10,581	38	14,300	6,674	4,784	11,458	86	2,928	64.1
977	13,680	13,275	520	2,928	14, 389	5	17,322	6,483	5,484	11,967	(8)	5,347	52.3
978	13,375	12,400	420	5,347	10,856	4	16,207	6,352	6,180	12,532	283	3,958	58.4 62.5
979	13,978	12,831	547	3,958	14,629	5	18,592	6,506	9,229	15,735	143	3,000	62.9
980	14,534	13,215	404	3,000	11,122	27	14,149	5,891	5,926	11,817	336	2,668	74.7
981	14,330	13,841	542	2,668	15,646	26	18,340	5,264	6,567	11,831	123	6,632	54.3
982	11,345	9,734	590	6,632	11,963	20	18,615	5,512	5,207	10,719	41	7,937	59.4
983	7,926	7,348	508	7,937	7,771	112	15,721	5,928	6,786	12,714	-232	2,775	66.4
984	11,145	10,380	600	2,775	12,982	24	15,781	5,540	6,215	11,755	76	4,102	57.8
985	10,685	10,229	630	4,102	13,432	33	17,567	6,399	1,960	8,359	140	9,348	56.3
986	10,045	8,468	552	9,348	9,731	3	19,082	7,452	6,684	14,136	80   2	5,026	52.4 65.3
987 8		10,035	706	5,026	14,760	2	19,788	7,700	6,600	14,300	64	5,600 8,900	
988 <u>9</u>	/ 12,159	11,632	616	5,600	14,934	2	20,536	7,000	4,700	11,700	04	0,700	Ľ

See Table 3 for footnotes.

Year		Area			Supply	,				Disapp	earance		
beginning August I	Planted	Harvested	Yield	Beginning stocks 1/	Production 2/	Imports	Total	Mill use 3/	Exports	Total	Unac- counted 4/	Ending stocks	Farm price 5/
	l,000 a	cres	Lbs/ acre			٥٥٥, ١	480-pou	nd net w	weight ba	les			Cents/1b.
1960 1961 1962 1963 1964	62.7 61.9 96.3 143.8 110.3	59.4 93.6 39.8	535 503 576 562 536	157 140 95 206 260	67.1 62.3 112.3 163.8 119.5	86 84 82 81 83	310 286 289 451 463	49  73  62  42  54	8 7 3 2 21	57  80  65  44  75	(13) (11) 82 (47) (19)	140 95 206 260 269	55.1 60.4 53.9 52.6 49.1
1965 1966 1967 1968 1968	77.3 80.1 68.5 68.4 77.6	78.0 66.4 67.0	563 447 502 565 493	269 294 263 205 167	87.8 71.7 69.5 78.9 77.4	88 76 10/ 91 30 22	445 442 423 314 266	42  36  29  28   3	6   3 45 9  5	48   49   74   37   28	(3) (30) (44) (10) (22)	294 263 205 167 116	48.1 48.7 47.9 40.7 40.5
1970 1971 1972 1973 1974	75.9 102.3 98.0 84.6 83.5	101.0 95.8 83.1	369 466 480 451 526	16 69 76 68 55	57.3 98.1 95.8 78.1 90.2	26 30 11 21 10	199 197 183 167 155	99 96 99 88 63	12 9 5 12 12	  05  04  00 75	(19) (16) (11) (12) (21)	69 76 68 55 59	43.3 44.8 44.9 87.2 64.4
1975 1976 1977 1978 1979	69.2 45.5 75.1 77.5 90.7	44.4 74.4 76.0	397 692 724 590 531	59 66 49 69 53	54.5 64.0 112.2 93.4 98.6	56 19 4 2 1	70  49  65  64  54	90 79 67 66 66	11 5 25 30 52	101 84 92 96 118	(3) (16) (4) (15) 2	66 49 69 53 38	78.9 104.0 87.9 91.7 101.0
1980 1981 1982 1983 1984 1985 1986 1986 1987 8/ 1988 9/	72.5 58.6 70.9 63.0 80.1 84.0 11.5 137.9 197.8	58.0 70.5 62.7 79.6 83.6 111.1 136.6	698 659 672 725 786 891 890 1,000 940	38 54 65 93 82 78 59 84 67	104.2 79.6 98.7 94.7 130.4 155.1 205.9 284.6 385.6	 8 4 3 0 0 0 0	143 142 172 215 233 265 369 453	63 48 56 67 49 61 67 55 60	33 12 13 36 90 105 114 237 315	96 60 69 103 139 166 175 292 375	7 -17 -7 -7 2 -8 -10 -10 -10	54 65 93 82 78 59 84 67 68	108.0 96.9 101.0 92.8 91.8 89.9 103.7 6/ 7/

Table 2.---U.S. ELS cotton supply and use, 1960/61-88/89

See Table 3 for footnotes.

Table 3U.S. upland cotton supply and use, I	1960/61-88/89
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Year beginning August I	Planted	llarvested											
			Yield stocks I/	Beginning	Production 2/	Imports	s Total	Mill use 3	Exports /	Total	Unac- counted 4/	Ending stocks	farm price 5/
	1,000 a	cres	Lbs/ acre			1,000	) 480-ро	und net	weight	bales			Cents/1b.
1960	16,017	15,249	446	7,344	14,170	45	21,557	8,204	6,849	15,053	412	6,916	31.3
1961	16,526	15,575	438	6,916	14,220	69	21,206	8,844	5,049	13,893	291	7,604	
962	16,197	15,475	456	7,604	14,715	55	22,374	8,322	3,426	11,748	304	10,930	
1963	14,699	14,072	516	0,930	15,130	54	26,114	8,554	5,773	14.327	304	12,091	33.4
1964	14,725	13,948	517	2,091	15,025	35	27,151	9,107	4,174	13,281	iii	13,980	
1965	14.075	13,540	526	3,980	14,864	30	28.873	9.454	3,029	12,483	344	16,734	29.2
1966	10,269	9,474	480	6,734	9,484	29	26,246	9,438	4,819	14,257	92	12,081	21.5
1967	9,380	7,931	446	2,081	7,374	49	19,513	8,948	4,316	13,264	130	6,379	26.5
1968	10,844	10,093	516	6,379	10,847	38	17,263	8,204	2,816	11,020	134	6,377	22.9
1969	11,804	10,982	433	6,377	9,913	30	16,320	8,001	2,863	10,864	271	5,727	21.8
1970	11,869	11,080	439	5,727	10,135	11	15,873	8,105	3,885	11,990	251	4,134	
1971	12,253	11,370	438	4,134	10,379	42	14,555	8,163	3,376	11,539	166	3,182	
1972	13,903	12,888	507	3,182	13,608	23	16,813	7,670	5,306	12,976	316	4,153	
1973	12,395	11,887	521	4,153	12,896	27	17,076	7,384	6,111	13,495	172	3,753	
1974	13,596	12,464	441	3,753	11,450	24	15,227	5,797	3,914	9,711	133	5,649	42.7
1975	9,408	8,730	453	5,649	8,247	36	13,932	7,160	3,300	10,460	43	3,615	
1976	11,590	10,869	464	3,615	10,517	19	14,151	6,595	4,779	11,374	102	2,879	
1977	13,604	13,201	519	2,879	14,277	1	17,157	6,416	5,459	11,875	(4)	5,278	
1978	13,298	12,324	419	5,278	10,762	2	16,042	6,286	6,150	12,436	299	3,905	
1979	13,887	12,742	547	3,905	14,531	4	18,438	6,440	9,177	15,617	141	2,962	62.5
1980	14,461	13,143	402	2,962	11,018	26	14,006	5,828	5,893	11,721	329	2,614	
1981	14,272	13,783	542	2,614	15,566	18	18,198	5,216	6,555	11,771	140	6,567	
1982	11,274	9,663	589	6,567	11,864	12	18,443	5,457	5,194	10,651	52	7,844	
1983	7,863	7,285	506	7,844	7,676	8	15,529	5,861	6,750	12,611	-225	2,693	
1984	11,065	10,299	599	2,693	12,852	21	15,566	5,491	6,125	11,616	74	4,024	
1985	10,601	10,145	628	4,024	13,277	33	17,334	6,338	1,855	8,193	148	9,289	
1986 1987 8/	9,933	8,357	547 702	9,289	9,585	32	18,817	7,385	6,570	13,955	80 122	4,942	
1988 9/	10,269 11,961	9,899 11,435		4,942 5,533	14,475	2	20,083	7,645 6,940	4,385	11,325	74	8,832	

i/ Compiled from Bureau of the Census data and adjusted to an August 1 480-lb. net weight basis. Excludes preseason ginnings. 2/ Includes preseason ginnings. 3/ Adjusted to August 1-July 31 marketing year. 4/ Difference between ending stocks based on Census data and preceding season's supply less disappearance. Numbers in parenthesis are negative. 5/ Season average, including allowance for unredeemed loans. 6/ Average to April 1, 1986, with no allowance for unredeemed loans. 7/ USDA is prohibited by law from publishing cotton price forecasts. 8/ Estimated. 9/ Forecast. 10/ Imports exceeded quota of 85,600 bales, in part, because import data are not adjusted to August 1-July 31 marketing year. Also may include 6,000 or more bales of cotton stapling less than 1-3/8 inches.

Table 4Upland Cotton: P	Planted acreage	1960/61-88/89,	by States
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rop ear	AL	AZ	AR	CA	FL	GA	IL	ĸs	кү	LA	MS	MO	NV	N M	NC	ок	s c	TN	тх	VA	u.s.
												1,000	acres								
960	878	407	1,370	965	26	675	2	0	9	525	1,580	423	4	203	410	655	568	525	6.777	16	16,017
961	942	374	1,415	834	25	718	2	0	7	595	1,665	398	4	195	418	705	600	557	7,057	15	16,526
<del>X6</del> 2	917	370	1,403	826	21	710	2	0	7	581	1,635	392	4	193	417	675	590	553	6.886	15	16, 197
X63	848	333	1,269	749	25	653	2	0	7	535	1,485	352	3	175	390	620	550	515	6,175	14	14,699
<del>764</del>	847	333	1,275	758	25	646	3	0	7	534	1,498	354	4	171	395	614	549	512	6,186	15	14,725
765	830	312	1,250	744	23	593	3	0	6	516	1,471	341	3	166	387	585	501	507	5,822	15	14,075
<del>366</del>	589	221	930	63 i	15	403	2	0	5	367	1,032	255	2	126	244	447	355	398	4,236	ii	10,269
<b>767</b>	513	219	830	595	11	335	2	0	4	348	Ý955	245	2	118	191	425	307	336	3,936	9	9, 380
968	555	270	1,045	695	13	410	2	0	5	423	1,155	318	3	147	200	421	354	394	4,425	8	10,844
69	566	277	1,090	706	14	410	2	0	6	440	1,225	312	2	147	184	500	350	420	5,148	5	11,804
70	565	243	1,120	665	13	408	I.	0	4	465	1,235	310	2	139	173	525	346	425	5,225	5	11,869
71	579	242	1,180	760	11	426	2	0	5	510	1,355	343	2	135	194	445	381	447	5,230	5	12,253
972	601	273	1,470	868	13	461	2	0	6	690	1,664	435	2	141	210	553	400	540	5,570	5	13,903
973	525	276	1,045	950	13	386	0	0	1	530	1,370	241	2	131	186	547	330	460	5,400	3	12,395
74	600	392	1,200	1,250	13	423	1	0	5	650	1,780	370	2	151	158	570	290	540	5,200	2	13,596
75	385	269	700	900	4	165	0	0	1	320	1,140	220	I.	95	56	360	107	335	4,350	1	9,408
976	440	341	1,125	1,130	7	255	0	0	2	570	1,530	305	- 1	68	75	350	170	420	4,800	1	11,590
977	405	517	950	1,400	6	230	0	0	1	545	1,380	270	1	131	87	535	170	325	6,650	1	13,604
978	325	540	810	1,480	4	120	0	0	0	515	1,200	210	1	137	45	605	105	250	6,950	0	13,298
979	310	580	610	1,650	3	155	0	0	0	470	1,090	151	•	154	46	600	110	250	7,700	0	13,887
60	325	549	700	1,550	6	170	0	0	0	570	1,150	245	1	151	66	715	122	290	7,850	0	14,461
81	377	600	610	1,540	18	180	0	0	0	700	1,230	242	1	136	83	650	119	325	7,460	0	14,272
62	287	471	410	1,380	16	163	0	0	0	605	1,000	154	1	79	71	480	97	260	5,800	0	11,275
63	219	291	320	960	13	120	0	0	0	420	687	108	0	56	60	320	69	220	4,000	0	7,863
64	309	430	470	1,410	17	175	0	1	0	650	1,045	164	0	77	97	425	104	340	5,350	1	11,065
85	330	360	465	1,330	25	255	0	1	0	640	1,050	152	0	70	68	370	124	340	5,000		10,601
66	315	250	490	1,000	20	225	0	. 1	0	580	1,020	178	0	63	82	400	118	340	4,850	1	9,933
67	335	290	555	1,150	30	250	0	1	0	605	1,020	190	0	66	96	420	120	440	4,700	2	10,269
68 I,	/ 380	340	680	1,350	32	300	0	1	0	700	1,230	220	0	70	120	440	145	550	5,400	3	11,961

Table 5.---Upland cotton: Harvested acreage, 1960/61-88/89, by States

сгор њаг	AL	AZ	AR	CA	FL	GA	IL	KS	KY	LA	MS	MO	NV	NM	NC	ОК	S C	TN	тх	VA	U.S.
												1,000	acres								
960	860	400	1,320	946	25	653	2	0	8		1,520	412	3	189	390	630	550	512	6,303	15	15,249
96ĩ -	905	366	1,360	816	23	693	1	0	6		1,580	384	3	185	396	645	585	538	6,539	13	15,575
962	900	364	1,355	808	21	692	2	0	7	565	1,585	383	3	182	402	612	575	538	6,467	15	15,475
963	832	325	1,230	729	24	639	2	0	6	519	1,438	343	3	161	375	590	536	504	5,801	14	14,072
964	831	328	1,242	742	24	632	3	0	6	520	1,460	347	5	161	381	575	538	502	5,637	15	
965	809	307	1,205	725	22	577	2	0	6	498	1,430	334	5	158	368	555	489	499	5,539	- 14	13,540
966	564	218	865	617	14	380	ł	0	3	357	993	190	2	119	155	380	305	365	3,940	2	7,931
967	340	216	715	587	10	267	0	0		330	890	90	2	109	75	370	190	236 360	3,501		10,093
968	525	269	980	687	13	395	0	0	4	410	1,105	190	2	138	189 166	380 465	340 287	400	4,101 4,648	65	10,982
969	545	277	1,055	705	13	385	0	0	5	420	1,185	292	2	131	100	407	207	400	4,040	,	10,902
970	538	241	1.070	662	8	375	0	0	3	450	1,190	250	2	126	60	450	290	390	4,870	4	11,080
971	558	241	1,140	741	9	385	1	0	4	500	1,325	313	2	130	75	396	320	425	4,700	4	11,370
972	580	271	1,410	863	44	430	1	0	5	665	1,606	405	2	131	70	510	340	485	5,000	- 5	12,888
973	510	276	975	942	11	375	0	0	0	520	1,340	173	2	127	73	526	294	440	5,200	2	11,887
974	585	392	1,130	1,238	12	410	0	0	4	635	1,710	330	2	140	45	547	272	510	4,400		12,464
975	370	268	680	875	4	160	0	0	1	310	1,100	210	1	85	53	295	103	315	3,900		8,730
976	420	340	950	1,120	7	240	0	0	1	560	1,470	260	1	64	71	335	159	370	4,500	1	10,869
977	395	515	930	1,390	6	170	0	0	1	540	1,360	258	1	128	83	520	153	300	6,450	1	13,201
978	315	538	760	1,455	4	115	Ó	0	0	510	1,180	182	1	109	42	585	98	230	6,200	0	12,324
979	305	575	530	1,635	3	150	0	0	0	465	1,050	137	ł	126	45	580	109	230	6,800	0	12,742
980	321	549	645	1,540	6	160	0	0	0	560	1,125	241	1	120	65	565	120	275	6,850	0	13,143
981	372	599	560	1,530	17	175	ŏ	ō	ō	695	1,200	183	i i	106	82	640	118	305	7,200	0	13,783
962	285	470	390	1,370	iś.	158	ŏ	ŏ	ŏ	595	990	151	i i	68	70	450	95	255	4,300	0	9,663
983	215	284	290	950	12	115	ő	õ	ō	410	675	93	Ó	47	59	300	69	215	3,550	0	7,285
984	307	429	465	1,400	17	172	Ó	ō	Ō	645	1,032	162	0	69	96	375	104	325	4,700	- F	10,300
985	329	359	440	1,320	23	245	Ó	Ĩ	ō	630	1,040	150	0	54	87	360	122	335	4,650	- 1	10,145
986	313	249	480	990	19	195	Ó	i	õ	570	1,000	160	0	50	81	350	113	335	3,450	1	8,357
987	333	289	550	1,140	29	245	õ	1	ŏ	600	1.010	189	0	62	95	400	119	435	4,400	2	9,899
988 1	/ 375	339	670	1,335	28	290	ŏ	1	õ	615	1,180	218	0	66	116	410	142	545	5,100	- 3	11,435

1/ August 1988 crop production report.

Table 6.---Upland cotton: Lint yield per harvested acre, 1960/61-88/89, by States

Crop year	AL	AZ	AR	CA	FL.	GA	IL	ĸs	KY	ы	MS	MO	NV	N M	NC	ок	s c	TN	тх	VA	U.S.
										pounds	per har	vested	асте								
1960	421	979	485			371	352	0	565	470	486	548	929	705	284	348	360	545	329	321	446
1961	327	1,045	512	991	279	354	211	0	384	429	493	469	838	746	337	274	337	493	349	363	438
1962	371	1,162	512	1,132	371	369	500	0	551	464	512	582	883	658	327	243	373	494	347	248	456
1963 1964	511	1,120	582			453	469 510	0	688 592	628 544	709 732	630 564	841 777	711 697	449 470	273 239	405 496	621 640	360 347	400 444	516 517
1965	512 505	1,085	605 572			467 467	458	0	619	540	678	559	614	667	287	319	490	611	401	273	517
1966	392	1,053	418			398	354	ŏ	525	602	653	408	813	679	290	270	442	475	385	180	480
1967	282	928	333			408	245	ŏ	322	621	567	314	867	651	277	251	449	295	376	138	446
1968	362	1,230	502			322	347	ŏ	574	636	660	495	872	571	310	333	352	432	410	242	516
1969	405	1,033	518			351	460	ō	516	551	534	533	654	529	287	288	342	505	292	201	433
1970	453	920	470	841	436	373	245	D	344	555	658	431	545	504	464	206	349	483	315	384	439
1971	551	928	522	723	602	466	242	0	573	576	613	614	319	493	371	215	412	597	263	247	438
1972	470	1,067	488			395	256	0	397	509	599	520	607	58 i	337	313	435	543	408	265	507
1973	423	1,063	513			499	0	0	486	481	651	501	477	514	455	390	473	472	431	440	521
1974	429	1,218	374	1,006	503	490	288	0	260	423	448	335	586	509	440	272	483	290	269	384	441
1975 1976	405	1,027	485	1,072		443	0	0	257	535	454	449	721	382	412	277	454	339	293	344	453
1977	399 337	1,178 997	392	1,064		398 232	0	0	258 420	474 583	376 581	305 437	738 598	523 603	489 305	251 402	438 342	295 407	353 407	480 194	464 519
1978	443	953	534 417	640		463	0 0	ŏ	420	450	561	437	542	443	515	292	562	407	294	480	419
1979	510	1,069	549			486	ŏ	ŏ	ŏ	712	657	550	655	396	455	432	510	357	389	320	547
1960	411	1,184	330	969	610	258	0	0	0	394	488	353	640	428	381	174	309	349	233	320	402
1981	545	1,247	518		601	436	0	0	0	512	626	441	800	602	558	330	667	496	376	480	542
1982	775	1,118	657	1,077	627	714	0	0	0	702	853	648	617	551	699	254	783	638	301	640	589
1983	409	1,225	535			467	0	240	0	623	640	377	0	715	350	232	369	337	322	360	506
1984	699	1,227	632			784	0	288	0	786	767	554	0	605	600	233	785	498	376	528	599
1985	795	1,241	767	1,132		725	0	320	0	565	764	653	0	631	646	380	708	600	404	443	628
1986 1987	506	1,301	602	1,088		455	0	336	0	567	571	588	0	595	646	288	370	567	353	554	547
1968	572	1,410	786			662	0	460	0 0	782	829	838	0	689	495	415	428	700	506	373	702
1700 1	/ 550	1,317	702	1,061	600	580	0	533	0	663	700	683	0	684	529	398	490	599	433	544	611

стор Неаг	AL	ΑZ	AR	CA	FL	GA	IL.	KS	KY	LA	MS	MO	NV	NM	NC	ок	s c	TN	TX	VA	U.S.
									1,000 4	80-pound	inet we	ight ba	les								
960	756	815	1,335	1,933	17	504	÷	0	9	500	1,538	470	7	277	231	457	412	581	4,317	10	14,170
961	617	797	1,452	1,683	14	511	i	Ō	5	478	1,621	375	6	287	278	368	411	553	4,754	10	14,220
962	695	882	1,445	1,907	16	533	2	0	7	546	1,692	464	6	249	274	310	447	553	4,679	8	14,715
963	885	759	1,491	1,708	19	603	2	0	9	679	2,124	450	6	239	350	335	452	652	4,355	12	15,130
96Á	887	742	1,565	1,753	16	615	3	ō	8	589	2.226	408	5	234	373	287	556	669	4,076	14	15,025
965	852	740	1,437	1,685	14	561	2	Ó	8	560	2,020	389	4	219	220	369	495	635	4,632	21	14,864
966	460	478	753	1,225	ió	315	ō	õ	3	448	1,350	161	4	168	94	214	281	362	3,156	2	9,484
967	200	418	496	1,038	7	227	ō	Ō	i	424	1,051	59	4	147	43	193	178	145	2,740	0	7,374
968	396	688	1.025	1,569	10	265	Ō	Ó	4	544	1,519	196	4	164	122	264	250	324	3,499	3	10,84
969	460	595	1,137	1,312	9	282	Ō	Ō	6	482	1,319	325	3	145	99	279	205	421	2,831	2	9,91
970	507	462	1,048	1,160	7	292	0	0	2	521	1,631	224	3	132	155	193	211	392	3,190	3	10,13
971	640	466	1,240	1,117	12	374	0	0	5	600	1,693	401	1	133	135	177	275	528	2,579	2	10,37
972	567	603	1,435	1,765	13	354	1	0	4	705	2,007	439	3	158	119	332	306	548	4,246	- 1	13,60
973	449	611	1,041	1,749	13	390	0	0	0	521	1,816	180	2	136	164	427	290	432	4,673	2	12,89
974	522	995	880	2,595	13	419	0	0	3	560	1,595	230	2	148	133	310	274	308	2,462	- 1	11,45
975	312	573	687	1,954	3	148	0	0	0	346	1,040	196	2	68	46	170	98	222	2,382	1	8,24
976	349	834	776	2,482	8	199	0	0	1	553	1,151	165	2	70	72	175	145	228	3,307	1	10,51
977	277	1.070	1,035	2,790	5	82	0	0	1	656	1,645	235	2	161	53	436	109	255	5,465	0	14,27
978		068	660	1,940	4	111	0	0	0	478	1,378	188	2	101	45	355	115	235	3,792	0	10,76
979	324		606	3,408	4	152	0	0	0	690	1,437	157	2	104	43	522	116	171	5,515	0	14,53
980	275	1,354	444	3,109	7	86	0	0	0	460	1,143	177	I.	107	52	205	77	200	3,320	0	11,01
961	422	1,556	604	3,535	21	159	0	0	0	742	1,565	168	2	. 133	95	440	164	315	5,645	0	15,56
82		095	534	3,073	20	235	Ö	0	0	870	1,760	204	1	78	102	238	155	339	2,700	0	11,86
83	183	725	323	1,971	15	112	ŏ	Ō	ō	532	900	73	0	70	43	145	53	151	2,380	0	7,67
284	447	1.097	612	2,913	30	281	Ó	Ō	0	1,056	1,650	187	0	87	120	183	170	337	3,680	- 1	12,85
285	545	928	703	3,114	33	370	0	0	0	742	1,655	204	0	71	117	285	180	419	3,910	1	13,27
86	330	675	602	2,245	28	185	ō	ĩ	Ó	673	1,190	196	0	62	109	210	87	369	2,535	2	9,52
87	397	849	901	2,989	39	338	0	1	0	977	1,745	330	0	89	98	346	106	634	4,635	1	14,47
88 1	/ 430	930	980	2,950	35	350	Ō	1	Ó	850	1,720	310	0	94	130	340	145	680	4,600	- 3	14,54

1/ August 1988 crop production report.

		Plan	ted acreage		•		Harve	sted acrea	ge	
Crop <del>yea</del> r	Arizona	California	New Mexico	Texas	United States	Arizona	California	New Mexico	Texas	United States
		<u> </u>			1,000	acres				
1960	27	0	13	23	63	26	0	12	21	60
1961	26	õ	13	23	62	26	õ	12	21	59
1962	42	ĩ	19	34	96	41	Ĩ	19	33	94
1963	63	i	29	50	144	62	i	29	49	140
1964	48	i	23	39	110	47	i	22	37	107
1965	33	i	16	28	77	33	i	15	26	75
1966	35	i	16	29	80	34	i	15	28	78
1967	29	i	14	25	69	29	ó	13	24	66
1968	29	ò	14	25	68	29	Õ	13	24	67
1969	34	Ī	16	27	78	33	Ō	15	27	75
1070	77		15	27	76	77	0	15	26	75
1970	33		15	27	76	33	0	21	35	101
1971	45	I	21	36	02	44	I	21	35	96
1972	41	0	21	35	98	40	0		31	83
1973	34	0	19	32	85	34	0	18		82
1974	35	0	15	34	84	35	0	15	33	66
1975	30	0	13	26	69	30	0	13	23	
1976	30	0	7	9	46	30	0	6	8	44 74
1977	42	0	9	23	75	42	0	.9	23	74
1978	34	0	14	29	78	34	0 0	14	28 31	89
197 <del>9</del>	43	0	16	31	91	43	0	15	21	07
1960	42	0	7	23	73	42	0	7	23	72
1981	34	0	7	18	59	34	0	7	18	58
1982	42	0	9	20	71	42	0	9	19	71
1983	29	0	11	22	63	29	0	11	22	63
1984	51	0	10	20	80	50	0	10	19	80
1985	57	0	8 -	20	84	56	0	8	19	84
1986	74	0	11	26	112	74	0	11	26	111
1987	91	1	14	32	138	91	l l	14	31	137
1988 1	/ 140	2	16	40	198	140	2	16	39	197

Table 8.---Extra-long staple cotton: Planted and harvested acreage, 1960/61-88/89, by States

Table 9Extra-long staple cotton:	Production and y	ield, 1960/61-88/89,	by States
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Crop Year	Ar i zona	California	New Mexico	Texas	United States	Arizona	California	New Mexico	Texas	United States
		Yield - Pounds	s per harve	ested acre			Production -	1,000 480-	lb. bales	
1960	563	400	507	518	535	31	0	13	23	67
1961	518	384	455	515	503	28	Ō	11	23	62
1962	665	534	450	539	576	57	ī	18	37	112
1963	602	753	520	533	562	77	i	31	54	164
1964	562	761	507	517	536	55	i	23	40	120
1965	657	875	408	530	563	45	i	13	29	88
	507	628	408	392	447	36		12	23	72
1966	574	468	359	496	502	34	ò	iõ	25	70
1967		762	411	456	565	44	Ÿ	ii	23	79
1968	721		411	490	493	37		12	28	77
1969	533	498	404	472	495	57	•	12	20	
1970	407	335	334	342	369	28	0	11	19	57
1971	456	325	473	478	466	42	0	20	35	98
1972	587	385	349	437	480	49	0	15	31	96
1973	597	480	265	397	451	42	0	10	26	78
1974	729	683	417	359	526	53	0	13	25	78 90 55 64
1975	612	480	195	231	397	38	0	5	11	55
1976	804	640	476	444	692	50	0	6	7	64
1977	738	269	621	747	724	65	0	12	35	112
1978	754	480	454	456	590	54	0	13	27	93
1979	743	480	246	373	531	67	0	7	24	99
1980	824	480	464	533	698	72	0	7	25	104
1981	767	0	558	491	659	54	õ	8	18	80
1982	760	ŏ	511	561	672	66	ŏ	10	23	99
1983	768	ŏ	683	689	725	47	ŏ	16	32	<b>9</b> 5
1984	841	ŏ	595	744	786	88	ŏ	12	30	130
1985	927	ŏ	687	868	891	109	ŏ	iî	35	155
1986	965	Ö	718	751	890	148	Ö	17	41	206
1987		-	642	787		213	2	19	51	285
	1,126	1,173			1,000		4	22	60	386
1988 1/	1,031	970	660	729	940	300	4	22	00	200

			1	Supply					Dis	sappearan	ce	
Date		Beginning s	tocks <u>2</u>	/	Cientana		Total	Mat 1 1		T-4-1	11	<b>F</b>
	At mills	Public storage <u>3</u> /	Other 4/	Total	Ginnings <u>5</u> /	Imports	Total supply	Mill use <u>6</u> /	Exports	Totai use	Unac- counted	Ending stocks <u>7</u> /
					1,000 4	80-16. ne	et weight	bales				
980/81												
Aug	997 022	1,901	102	3,000	598	0	3,598	482	422	904		2,694
Sep	922	1,563	209	2,694	749	2	3,445	521	412	933		2,512
Oct Nov	815 772	1,640 3,302	57 996	2,512	3,376 3,328	 5	5,889	571	248 456	819 932		5,070
Dec	774	5,238	1,459	7,471	2,087	5	8,403 9,563	476 454	496 566	1,020		7,471 8,543
lan	870	6,204	1,469	8,543	824	í	9,368	492	704	1,196		8,172
eb	981	6,058	1,133	8,172	160	6	8,338	465	723	1,188		7,150
lar	1,079	5,311	760	7,150	Ő	8	7,158	494	772	1,266		5,892
<b>\p</b> r	1,149	4,393	350	5,892	0	Ó	5,892	497	524	1,021		4,871
lay 🛛	1,121	3,609	141	4,871	0	0	4,871	483	483	966		3,905
Jun	1,068	2,929	(92)	3,905	0	0	3,905	488	337	825		3,080
Jul	977	2,293	(190)	3,080	0	0	3,080	469	278	747	336	2,668
Season	<del>9</del> 97	1 <b>,9</b> 01	102	3,000	11,122	28	14,150	5,891	5,926	11,817	336	2,668
1981/82						•			• • •			
Aug	923	1,765	(20)	2,668	440	0	3,108	469	244	713		2,395
Sep	845	1,554	(4)	2,395	1,339	2	3,736	474	221	695		3,041
Oct	722 690	2,017 4,229	302 1,274	3,041	3,936 4,761	0	6,977 10,954	510 440	274 500	784 940		6,193
iov Dec	698	7,326	1,990	6,193 10,014	3,408	U U	13,423	376	768	1,144		10,014
Jan	789	9,658	1.832	12,279	1,359	i	13,639	409	685	1,094		12,54
eb	856	9,888	1.801	12,545	403	ó	12,948	414	792	1,206		11,742
far .	921	9,245	1,576	11,742	Ő	ŏ	11,742	477	924	1,401		10,34
Apr	962	8,303	1,076	10,341	ŏ	Ă	10,345	473	710	i, 183		9,162
May	955	7,454	753	9,162	Ō	13	9,175	432	509	941		8,234
Jun	944	6,591	699	8,234	0	4	8,238	421	523	944		7,294
Jul	913	5,810	571	7,294	0	1	7,295	369	417	786	123	6,632
Season	<del>9</del> 23	1,765	-20	2,668	15,646	26	18,340	5,264	6,567	11,831	123	6,632
1982/83												
Aug	<b>8</b> 65	5,495	272	6,632	470	2	7,104	448	360	<b>8</b> 08		6,296
Sep	788	5,259	249	6,2%	1,114	10	7,420	435	370	805		6,615
Oct	700	5,521	394	6,615	3,895	1	10,511	455	308	763		9,748
Nov	639	7,919	1,190	9,748	3,662	3	13,413	448	399	847		12,566
Dec	663	10,644	1,259	12,566	1,814	0	14,380	404	395	799		13,58
Jan	731	11,619	1,231	13,581	752	ļ	14,334	444	462	906		13,428
Feb	819	11,640	969	13,428	256	0 V	13,684	454	386	840		12,84
Mar Ann	813 827	10,666	1,365 797	12,844	0	0	12,845	531	513	1,044		11,80
Apr May	834	10,177 9,227	627	11,801	0	ŏ	11,801	473 509	640 484	1,113 993		9,69
Jun	816	0 700		- · · · · · · · · · · · · · · · · · · ·	ŏ	ŏ	a' . ar	* ~ *				
Jul	794	8,329 7,779	550 161	9,695 8,734	ŏ	1	9,695 8,735	503 410	458 432	961 842	42	8,754 7,937
Season	<b>8</b> 65	5,495	272	6,632	11,963	20	18,615	5,513	5,207	10,720	42	7,937
1983/84												
Aug	<b>79</b> 2	6,978	167	7,937	326	2	8,265	552	403	<b>95</b> 5		7,310
Sep	750	6,493	67	7,310	473	ī	7,784	520	339	859		6,92
Oct	661	6,077	187	6,925	2,664	i i	9,590	510	274	784		8,800
Nov	581	7,513	712	8,806	2,750	1	11,557	509	462	971		10,580
Dec	583	9,114	889	10,586	1,248	0	11,834	436	663	1,099		10.73
Jan	640	9,197	898	10,735	273	1	11,009	540	696	1,236		9,77
Feb	675	7,840	1,258	9,773		1	9,811	492	759	1,251		8,56
Mar	742	6,625	1,193	8,560		0	8,560	506	947	1,453		7,10
Apr	772	5,211	1,124	7,107	0	ò	7,107	478	763	1,241		5,86
lay	799	4,125	942	5,866			5,867	528	644	1,172		4,69
Jun Jul	798 856	3,089 2,304	808 645	4,695 3,805	0	23	4,697 3,808	443	449 388	892 802	(231)	3,80 2,77
	792				-	12						2,77
Season	192	6,978	167	7,937	7,771	12	15,720	5,926	6,786	12,712	(231)	2,1

Continued-

	Supply								Disappearance					
Date	Beginning stocks <u>2</u> /						Total	Mill				Ending		
	At mills	Public storage <u>3</u> /	0ther <u>4</u> /	Total	Ginnings <u>5</u> /	Imports	supply	use <u>6</u> /	Exports	Total use	Unac- counted	stocks <u>7</u> /		
		. <u>1</u>			1,000 4	80-15. ne	et weight	bales						
1984/85												• • • • •		
Aug	830	1,839	106	2,775	656	2	3,433	510	479	989 706		2,444 2,297		
Sep	747	1,557	140 128	2,444	558 3,251	1	3,003 5,549	426 509	280 307	816		4,733		
Oct Nov	673 567	1,496 3,540	626	2,297 4,733	4,807	ò	9,540	435	507	942		8,598		
Nov Dec	586	6,617	1,395	8,598	2,177	ŏ	10,775	375	660	1,035		9,740		
Jan	715	7,914	1,111	9,740	1,281	2	11,023	485	836	1,321		9,702		
Feb	851	7,887	964	9,702	252	3	9,957	437	811	1,248		8,709		
Mar	916	6,853	940	8,709		5	8,714	457	<b>6</b> 62	1,119		7,595		
Apr	854	5,918	823	7,595		6	7,601	485	578	1,063		6,538		
May	834	5,035	669	6,538		1	6,539	523	453	976		5,563		
Jun	842	4,199	522	5,563		2	5,565	439	375	814	77	4,751		
Jul	769	3,739	243	4,751		I	4,752	459	267	726	76	4,102		
Season	830	1,839	106	2,775	12,982	24	15,781	5,540	6,215	11,755	76	4,102		
1985/86														
Aug	768	3,070	264	4,102	704	1	4,807	526	207	733		4,074		
Sep	718	2,960	396	4,074	1,808	0	5,882	497	200	697		5,185		
0ct	650	3,922	613	5,185	3,941	9	9,135	591	218	809		8,326		
Nov	583	6,413	1,330	8,326	3,932	4	12,262	502	235	737		11,525		
Dec	597	9,390	1,538	11,525	2,390	12	13,927	457	197 187	654 761		13,273		
Jan Feb	633	11,184	1,456	13,273	602 55	5 2	13,880 13,176	574 522	192	714		13,119 12,462		
Feb Mar	720 763	11,258	1,141 969	13,119		ő	12,462	542	188	730		11,732		
Apr	813	10,116	803	11,732		ŏ	11,732	571	173	744		10,988		
May	827	9,504	657	10,988		ŏ	10,988	580	81	661		10,327		
Jun	819	8,851	657	10,327		ŏ	10,326	538	59	597		9,730		
Jul	826	8,359	545	9,730		Õ	9,730	499	23	522	140	9,348		
Season	768	3,070	264	4,102	13,432	33	17,567	6,399	1 <b>,96</b> 0	8,359	140	9,348		
1986/87														
Aug	812	8,502	34	9,348	642	0	9,990	581	393	974		9,016		
Sept	696	7,988	332	9,016	1,834	0	10,850	603	387	<b>99</b> 0		9,860		
0ct	610	8,377	873	9,860	2,964	0	12,824	660	648	1,308		11,516		
Nov	590	9,998	928	11,516	2,267	0	13,783	554	552	1,106		12,677		
Dec	606	10,631	1,440	12,677	1,125	!	13,803	556	570	1,126		12,677		
Jan	650	10,690	1,337	12,677	702	1	13,380	621	747	1,368		12,012		
Feb	670	10,486	856	12,012	197	0	12,209	587 676	544 653	1,131		11,078 9,749		
Mar Anr	741 731	9,520	817 814	1,078		0	11,078 9,749	661	660	1,321		8,428		
Apr May	754	8,204	510	9,749 8.428		ŏ	8,428	642	488	1,130		7,298		
Jun	745	7,164 6,167	386	8,428 7,298		ŏ	7,299	655	468	1,123		6,176		
Jul	707	5,054	415	6,176		v	6,176	656	575	1,231	80	5,026		
Season	812	8,502	34	9,348	9,731	3	19,082	7,452	6,684	14,136	80	5,026		
1987/88														
Aug	713	4,000	313	5,026	440	0	5,466	666	420	1,086		4,380		
Sept	678	3,388	314	4,380	2,842	0 0	7,222	694	315	1,009		6,213		
Oct Nov	607	5,104	502	6,213	4,452	0	10,665	713	367	1,080		9,585		
Dec	557 569	7,766 9,911	1,262	9,585 11,946	3,642 2,255	0	13,227	666 645	615 721	1,281		11,946		
Jan	569 664	11,023	1,466	12,836		0	13,761	621	633	1,284		12,650		
Feb	750	10,616	1,111	12,650	204	ŏ	12,681	649		1,389		11,292		
Mar	811	9,540	941	11,292		ŏ	11,292	706	779	1,485		9,807		
Apr	827	8,385	595	9,807		ŏ	9,807	610		1,181		8,626		
May	825	7,277	524	8,626		ŏ	8,626	630		1,147		7,479		
June 8/	790	6,239	450	7,479		ĭ	7,480	586		1,140		6,340		

Table 10Cotton supply and disappearance of all kinds	, by months, United States,	1984/85-87/88 <u>1</u> /Continued
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1/ Compiled from Bureau of the Census data and adjusted to 480-1b. net weight bales. 2/ August stocks adjusted to an August 1 basis, excluding preseason ginnings. 3/ Adjusted to 480-1b. bales by use of monthly conversion factors for mill stocks. 4/ Primerily cotton on farms and in transit. Estimated by subtracting public storage and mill stocks from total stocks. 5/ August data include preseason ginnings. 6/ Adjusted to a calendar month. 2/ Supply less disappearance. End-of-season stocks adjusted by Bureau of the Census data. Differences primarily reflect varying bale weights. Monthly data are rounded. <u>B</u>/ Preliminary and estimated.

Table 11--Program payments to cotton farmers, 1976/77-1987/88

	:		:		:		:	Payment-	:	
Crop year	:	Deficiency	:	Diversion	:	Disaster	:	in-kind	:	Total
	:	payments	:	payments	:	payments	:	entitlements	:	
	:			MEL	lion	dollars				
1976	:	0		0		98		0		98
1977	:	0		0		69		0		69
1978	:	0		40		188		0		228
1979	:	0		0		108		0		108
1980	:	Õ		Ō		302		Õ		302
	:									
1981	:	469		0		81		0		550
1982	:	523		0		131		0		654
1983	:	431		3		0		<u>i</u> / 1,094		1,528
1984	:	654		0		0	•	- ´ 0		654
1985	:	860		196		Ō		Ó		1,056
	:									
1986	:2	/ 1,482		0		0		0		1,482
1987	:3	/ 950		0		0		0		950

1/ 4.3 million bales valued at average loan redemption rate of \$0.53 per pound.
2/ Includes \$296 million of loan forgiveness payments and loan deficiency payments of \$70 million paid in cash plus \$65.3 million paid in certificates.
3/ Preliminary.

Source: <u>ASCS Commodity Fact Sheet: Upland Cotton</u>, Agricultural Stabilization and Conservation Service, USDA, annual issues.

Year	:	: Loan rate <u>1</u> / : :	.Target price	: Season-average price : received by farmers : (net-weight basis)
	:		Cents per pound	d
1974	:	27.06	38.00	42.7
1975	:	36.12	38.00	51.1
1976	:	38.92	43.20	63.8
1977	:	44.63	47.80	52.1
1978	:	48.00	52.00	58.1
1979	:	50.23	57.70	62.3
1980	:	48.00	58.40	74.4
1981	:	52.46	70.87	54.0
1982	:	57.08	71.00	59.5
1983	:	55.00	76.00	65.3
	:			
1984	:	<b>55.0</b> 0	81.00	58.7
1985	:	57.30	81.00	56.8
1986	:	55.00	81.00	51.5
1987	:	52.25	79.40	63.5 2/
1988	:	51.80	75.90	<u>3</u> / -

Table 12--Average price support levels and season-average prices received by farmers for upland cotton, 1974/75-1987/88

<u>1</u>/ Base loan rates for SLM 1-1/16-inch cotton (micronaire 3.5-4.9) at average location, net weight. <u>2</u>/ Average to April 1, 1988, with no allowance for unredeemed loans. <u>3</u>/ USDA is prohibited by law from publishing cotton price forecasts.

Source: USDA, Agricultural Stabilization and Conservation Service.

State	1982/83	1983/84	1984/85	1985/86	1986/87
	04	87	91	84	82
Alabama	96   2	98	100	91	85
Arizona Arkansas	155	138	143	132	129
California	192	166	169	163	146
Georgia	59	56	53	61	57
Louisiana	95	92	93	89	86
Mississippi	263	247	247	237	223
Missouri	59	48	54	50	50
New Mexico	37	33	33	31	30
North Carolina	37	34	37	36	36
Oklahoma	79	78	76	71	69
South Carolina	57	51	53	49	48
Tennessee	83	78	79	74	73
Texas	672	643	629	601	545
United States	1,996	1,849	I,857	۱,772	1,662

Table 13.--Number of active cotton gins, by State, 1982/83-1986/87

Source: U.S. Department of Commerce, Bureau of the Census, Agriculture Division.

State	1982/83	1983/84	1984/85	1985/86	1985/86
			Dollars per bale		
Alabama	33.70	36.46	36.27	37.76	37.04
Arizona	42.87	43.17	40.16	40.70	40.33
Arkansas	37.61	41.12	40.82	38.94	37.19
California	48.59	50.15	49.84	48.91	48.62
Georgia	44.50	43.34	42.93	42.89	42.41
Louisiana	35.32	35.24	38.43	38.46	37.20
Mississippi	36.00	38.54	37.62	36.59	37.16
Missouri	39.99	41.90	39.49	37.39	39.76
New Mexico	47.02	49.72	51.85	54.26	52.80
North Carolina	44.50	45.40	46.18	45.42	45.83
Oklahoma	47.35	46.35	50.15	48.57	50.35
South Carolina	42.75	41.11	41.52	42.97	42.81
Tennessee	33.86	39.50	39.71	38.78	34.69
Texas	49.01	50.20	52.48	50.18	52.92
- Crub	72.01	20.20	12.70	20.10	72.072
United States	43.46	45.87	45.64	44.86	44.91

Table 14.---Cotton ginning charges, by State, 1982/83-1986/87

Source: U.S. Department of Agriculture, Economic Research Service, <u>Cotton Ginning Charges, Harvesting</u> <u>Practices, and Selected Marketing Costs</u> (annual).

Year and method	Ala.	Ariz.	Ark.	Calif.	Ga.	La.	Miss.	Mo.	N. Mex.	N.C.	Okla.	s.c.	Tenn.	Tex.	U.S.
								Perc	ænt.						
Machine	picked:														
1982/83	. 100	86	100	99	100	100	100	100	55	100	4	100	97	4	74
1983/84	100	86	100	99	100	100	100	100	60	100	5	100	98	15	70
1984/85	99	95	97	99	- 99	98	99	100	52	100	11	100	96	25	76
1985/86	100	97	100	99	- 99	98	98	100	61	99	8	100	92	32	77
1986/87	100	93	100	99	100	97	99	100	80	100	19	100	96	31	79
Machine	strippe	d:													
1982/83	17	3		H		17	17		45		95		3	96	25
1983/84	1Ż	2		1		- IZ	ΞÌ/		40		95		2	85	29
1984/85		17	17	17		17	1Ż		48		89		3	75	23
1985/86		17		17		17	17		36	17	92		6	68	22
1986/87		3		17		17	ŧΖ		18		81		3	69	20
Machine	scrappe	d:													
1982/83	~	11		17					17		I I				1
1983/84		12		1Z					ÎŽ –		17				i
1984/85	1	5	3	17	1	2 2 3	1		ĨŹ		ÎZ –		ł		I I
1985/86	17	3	4/	17	1	2	2		3	1	1Ż	~-	2		I
1986/87	Î.	4	17	1/	17	3	1		2	-17	ΙŻ		1		1

Table 15.--Methods of harvesting cotton, by State, 1982/83-1986/87

1/ Less than 0.5 percent. --=0

Source: U.S. Department of Agriculture, Economic Research Service, <u>Cotton Ginning Charges, Harvesting</u> <u>Practices, and Selected Marketing Costs</u> (annual).

Year and method	Ala.	Ariz.	Ark.	Calif.	Ga.	La.	Miss.	Mo.	N. Mex.	N.C.	Okla.	s.c.	Tenn.	Tex.	U.S.
								Perc	ænt.						
Ginned fr	om tra	ilers:													
1982/83	90	40	97	50	96	92	85	100	80	100	80	99	100	42	64
1983/84	92	45	98	40	94	94	85	100	75	100	63	99	100	43	58
1984/85	87	42	98	52	90	94	90	100	71	100	85	100	99	41	64
1985/86	93	39	96	49	82	93	85	100	70	100	79	100	99	37	61
1986/87	88	35	90	39	77	96	86	100	87	100	67	100	100	26	55
Ginned fr	om mod	lules:													
1982/83	10	60	3	49	4	8	15		20		20	1		57	36
1983/84	8	55	2	59	6	ĕ	15		25	17	37	i		57	42
1984/85	13	58	2	48	IÕ	ě	iõ		29	ΪŻ.	15	1Ż	1	59	36
1985/86	7	61	4	51	18	7	15		30		21	ΪŹ	i	63	39
1986/87	12	65	ιó	61	23	4	14		13		33	iź	- IŻ	74	45

I/ Less than 0.5 percent. --=0

Source: U.S. Department of Agriculture, Economic Research Service, <u>Cotton Ginning Charges, Harvesting</u> <u>Practices, and Selected Marketing Costs</u> (annual).

Crop		Average sp	ot market price	s per pound (net	weight) //	
/ear	15/16 "	۳ ا	1-1/32 "	1-1/16 "	1-3/32 "	1-1/8 "
			Cents per p	ound		<u></u>
960				31.29		
961				34.83		
962				34.47		
963				34.25		
964				31.94		
965				30.73		
966	19.53	21.09		23.76		
967	19.90	23.93		29.95		
968	19.50	21.58		25.54		
1969	20.14	21.22		24.08		
970	22.71	23.38		25.33		
971	30.00	30.80		32.95		33.60
972	28.57	31.25		35.59		36.14
973	49.95	55.86	64.59	67.10	67.31	67.82
974	34.88	37.41	40.02	41.69	41.89	42.53
975	51.29	53.49	56.44	57.99	58.18	58.91
976	63.87	65.99	69.34	70.88	71.08	71.83
1977	46.80	48.26	51.27	52.74	52.96	54.55
978	53.43	55.24	59.92	61.58	61.89	64.43
979	60.51	63.39	69.53	71.48	71.87	73.86
980	69.74	75.70	80.95	82.99	83.39	84.47
981	49.92	54.13	58.28	60.48	60.89	62.07
982	52.39	56.41	61.17	63.08	63.47	64.63
983	62.54	66.32	70.71	73.11	73.55	75.37
984	52.39	55.98	58.30	60.51	60.29	60.64
985	52.16	55.81	57.87	60.02	59.62	59.77
986	44.80	47.71	50.78	53.16	53.81	55.89
987	57.38	59.33	60.81	63.13	63.63	64.45

1/ Spot market prices are for cotton with micronaire readings of 3.5 - 4.9.

Compiled from reports of the Agricultural Marketing Service.

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	Cot	ton 1/	Ra	yon 2/	Poly	vester 3/	Price r	atios 5/
Calendar year	Actual	Raw fiber equivalent 4/	Actual	Raw fiber equivalent 4/	Actual	Raw fiber equivalent 4/	Cotton/ rayon	Cotton/ polyester
				Cents	per pound			
1960	32.04	35.60	28.33	29.51	126.00	131.25	1.21	0.27
1961	34.58	38.42	26.17	27.26	118.00	122.92	1.41	0.31
1962	34.15	37.94	26.00	27.08	114.00	118.75	1.40	0.32
1963	33.63	37.37	27.08	28.21	114.00	118.75	1.32	0.31
1964	25.43	28.26	28.00	29.17	99.33	103.47	0.97	0.27
1965	25.11	27.90	27.38	28.52	85.17	88.72	0.98	0.31
1966	22.39	24.88	25.63	26.70	79.50	82.81	0.93	0.30
967	23.63	26.26	24.42	25.44	62.17	64.76	1.03	0.41
968	23.59	26.21	25.00	26.04	56.00	58.33	1.01	0.45
969	22.96	25.51	25.50	26.56	45.33	47.22	0.96	0.54
1970	27.20	30.22	25.00	26.04	40.67	42.36	1.16	0.71
1971	30.64	34.04	26.92	28.04	37.00	38.54	1.21	0.88
1972	36.21	40.23	31.00	32.29	34.50	35.94	1.25	1.12
1973	57.99	64.43	33.13	34.51	36.75	38.28	1.87	1.68
1974	59.94	66.60	50.83	52.95	46.00	47.92	1.26	1.39
1975	49.18	54.64	51.00	53.13	47.83	49.82	1.03	1.10
1976	72.18	80.20	53.50	55.73	53.00	55.21	1.44	1.45
1977	65.81	73.12	58.00	60.42	55.83	58.16	1.21	1.26
1978	64.34	71.49	58.25	60.68	54.33	56.59	1.18	1.26
1979	68.95	76.61	65.25	67.97	60.33	62.84	1.13	1.22
980	87.98	97.76	74.50	77.60	74.33	77.43	1.26	1.26
1981	80.41	89.34	86.50	90.10	84.75	88.28	0.99	1.01
1982	68.00	75.56	84.50	88.02	76.75	79 <b>.9</b> 5	0.86	0.95
1983	77.72	86.36	80.25	83.59	73.00	76.04	1.03	1.14
1984	76.06	84.51	84.00	87.50	78.83	82.12	0.97	1.03
985	65.83	73.16	78.84	82.12	66.34	69.10	0.89	1.06
1986	60.99	67.77	75.75	78.91	62.33	64.93	0.86	1.04
1987	72.71	80.79	81.00	84.38	65.75	68.49	0.96	1.18

Table 18.--Fiber prices: Landed Group B mill points, cotton prices, and manmade staple fiber prices at f.o.b. producing plants, actual and estimated raw fiber equivalent

I/ 1960-69, middling 15/16" at Group B Mill points, net weight; 1970 to date, SLM 1-1/16". 2/ 1.5 and 3.0 denier, regular rayon staple. 3/ Reported average market price for 1.5 denier polyester staple for cotton blending. 4/ Actual prices converted to estimated raw fiber equivalent as follows: cotton, divided by 0.90, rayon and polyester, divided by 0.96. 5/ Raw fiber equivalent.

Compiled from Agricultural Marketing Service and trade reports.

Year beginning August (	A Index I/	U.S. Memphis territory 2/	U.S. Cal./Ariz. territory 2/	B Index 3/	U.S. Orleans/Tex. territory 4/
		·····	Cents per pound		· <u> </u>
1960		29.46			
1961		30.23			
1962		29.75			
1963	29.18	29.12			
1964	29.03	29.49			
1965	28.13	28.47			
1966	28.35	28.35			
1967	31.30	33.32			
1968	28.75	29.97	•		
1969	28.00	28.82			
1970	31.10	31.67			
1971	37.15	37.43			
1972	41.95	43.54			
1973	76.50	78.31			
1974	52.50	56.41			
1975	65.26	71.41			
1976	81.75	82.47	83.05	72.91	75.64
1977	65.01	65.25	66.52	57.02	56.85
1978	75.99	75.99	70.69	67.97	66.88
1979	85.46	87.76	87.68	74.55	74.54
1980	93.30	101.22	<b>99.</b> 52	84.11	87.74
1981	73.76	75.87	76.01	64.39	64.09
1982	76.65	77.95	78.61	66.65	66.38
1983	87.61	87.09	90.04	80.37	76.67
1984	69.18	73.90	73.75	59.55	64.21
1985	48.90	64.79	64.13	40.93	56.44
1986	61.98	61.83	64.63	54.97	54.38
1987	72.66	76.34	79.66	67.68	70.55

Table 19.--Index of prices of selected growths and qualities, and price per pound of U.S. cotton c.i.f. Northern Europe, 1960/61-87/88

I/ The 'A' Index is an average of the cheapest five types of SM 1-1/16" staple length cotton offered on the European market. The staple length used to calculate the index was changed to Middling 1-3/32" in July 1981. Calculations for 1963-72 were made using data published in "Statistics on Cotton and Related Data, 1960-78". 2/ The Memphis and California/Arizona territories were based on SM 1-1/16" staple length cotton until July 1981, when they were changed to Middling 1-3/32". 3/ The 'B' Index is based on coarse grades of cotton varying in staple length from 1" to 1-3/32". 4/ Based on SLM 1" cotton.

Mont S we		California/ Arizona	Memphis Territory	Russia	China	Africa	Central America	Australia	Turkey	Paraguay	Mexico	Pakistan <u>1</u> /	index 2/
						U.S. ce	nts per p	bound					
987 ug.	6	90.75	86.00	86.00	90.25	86.00	85.00	89.50	90.00	89.50	85.75	84.50	85.45
uy.	13	91.00	86.50	86.25	90.50	87.00	86.50	89.50	91.00	91.00	86.75	84.50	86.10
	20	92.50	88.25	87.50	91.00	87.50	87.50	90.50	92.75	89.00	87.75	86.00	87.25
	27	93.00	88.75	88.00	91.50	88.00	87.50	90.75	93.25	90.00	88.25	86.25	87.60
					•								
ept.	. 3	88.00 85.75	84.00 81.25	85.00 83.50	89.50 86.00	86.00 84.00	85.00 83.00	86.75 85.00	92.50 93.50	88.00 84.00	86.00 85.00	82.50 79.50	84.50 82.25
						85.50	83.50	85.50	94.50	86.00	86.50	82.00	
	17 24	88.50 89.00	83.50 83.50	85.00 84.50	88.50 89.00	85.50	83.00	85.50	96.00	86.00	86.00	82.50	83.90 83.80
ct.	8	84.50 83.75	80.00 79.25	80.50 79.50	86.50 85.00	82.00 80.75	80.00 78.75	84.00 83.75	100.00	84.75 83.50	83.00 81.75	78.00 76.50	80.10 79.00
	15	82.00	77.25	77.00	82.00	77.75	75.75	81.00	98.00	79.75	78.75	75.80	71.25
	22	79.00	75.25	76.25	81.75	75.00	74.25	79.00	95.00	78.50	76.25	72.00	74.55
	29	75.50	72.00	74.00	79.00	73.50	71.00	76.00	91.00	73.50	73.50	67.50	71.50
	-	70.05	76 95	76 95	01 50	75 25	77 05	70.00	01.00	77 00	76 50	75.00	75 00
ον.	12	78.25 77.00	75.25 74.25	76.25 75.50	81.50 81.25	75.25 74.75	73.25 72.75	79.00 78.00	91.00 93.00	77.00 75.25	76.50 75.75	75.00	75.00 74.30
	iś	81.00	78.25	78.75	81.75	77.00	75.50	80.50	94.00	78.00	77.75	79.00	77.30
	26	80.50	78.00	79.00	80.00	76.75	74.00	80.00	94.00	78.00	77.25	77.50	76.70
	,	80.00	76 50	78 00	77 60	76.25	74.75	78 00	95.00	77.50	77.00	76.50	76.20
ĸ.		80.00	76.50	78.00	77.50			78.00					
	10	76.25	74.00	75.50	77.00	75.25	72.00	76.75	95.00	74.75	75.75	75.00	74.20
	17	77.00	73.50	76.00	77.50	75.25	73.00	76.75	96.00	75.50	75.50	75.50	74.55
	24	78.50	75.00	77.00	78.00	75.25	74.00	78.25	96.00	77.00	76.25	76.25	75.35
	31	79.00	75.75	77.50	78.75	75.50	75.50	78.75	94.50	78.00	77.00	77.00	76.15
<b>78</b> 8													
sn.		77.75	74.25	75.50	77.25	75.00	73.50	77.50	91.00	75.50	75.25	74.00	74.40
	14	77.75	74.25	74.75	76.75	73.75	72.75	77.25	90.00	75.00	75.00	72.75	73.65
	21	75.50	72.00	73.00	74.50	72.75	69.50	75.50	90.00	72.25	71.75	70.00	71.10
	28	74.00	70.50	71.50	76.00	71.75	<b>68.0</b> 0	73.50	88.00	70.50	71.50	67.50	69.60
эb.	4	73.25	69.50	71.50	75.50	70.50	66.50	72.00	85.00	68.00	68.00	67.50	67.90
	11	73.25	69.50	71.00	74.75	70.00	66.75	72.00	83.00	67.00	67.25	67.50	67.60
	18	75.50	72.25	72 <b>.0</b> 0	75.25	70.00	67.00	73.25	82.00	68.25	68.00	67.25	68.10
	25	72.00	68.00	70.50	74.00	68.00	65.75	70.00	81.00	66.25	66.25	65.50	66.35
ar.	3	74.00	70.00	71.25	74.50	67.50	66.25	71.75	81.00	67.25	66.50	65.50	66.60
	ιó		69.50	71.00	74.00	66.75	65.00	70.75	77.50		65.50	65.00	65.85
	17	75.75	71.75	73.00	74.25	67.25	66.25	73.00	76.00		66.50	65.25	66.75
	24	75.25	71.00	73.50	73.75	67.75	67.00	72.25	76.50		66.50	64.25	66.4
	31	75.75	71.50	73.00	73.00	66.50	67.00	71.75	76.50		66.75	63.50	66.05
	-	74 75	70 50	72 25	72 25	66 EQ	65.50	70.50	76.50	66.00	65.75	63.00	65.35
pr.			70.50	72.25	72.25	66.50		69.00	76.00		67.00	65.00	66.30
	14		72.75	73.00	72.00	66.75	66.00	68.25	76.00		66.00	64.50	65.55
	21	76.50	72.75	72.50	71.50	66.00 66.50	65.25 65.50	69.00	76.00		66.50	64.50	65.80
	28	77.00	73.50	73.50	/1.00	00.90	03.90	07.00	70.00	00.00	00.70	04.50	
By	5		73.25	73.50	70.00	<b>6</b> 6.75	65.50	67.50	76.00		N.Q.	N.Q.	66.9
	12		74 <b>.0</b> 0	73.50	69.50	66.50	64.50	67.50	75.50		N.Q.	N.Q.	66.6
	- 19		77.00	76.25	72.75	69.00		70.25	75.50		N.Q.	N.Q.	69.3
	26	80.00	77.00	76.00	72.00	70.00	69.00	71.75	75.50	68.00	N.Q.	N.Q.	70.1
une	2	81.00	78.00	77.00	69.50	68.50	N.Q.	70.50	75.50	69.00	N.Q.	N.Q.	70.6
	٠ وَ		79.00	78.25	70.50	68.50	N.Q.	71.00	80.00	70.00	N.Q.	N.Q.	71.6
	16		82.25	78.50	73.50			73.00	82.00		N.Q.	N.Q.	73.5
	23		81.75	78.00	74.25	72.50		75.00	83.00	72.75	N.Q.	N.Q.	74.5
	30		78.75	76.00	70.25			72.50	82.00	70.25	N.Q.	N.Q.	72.0
	, 7	79.75	79.00	74.00	70.50	69.50	N.Q.	71.50	82.00	69.00	N.Q.	N.Q.	70.9
11	14		76.00	68.00	70.00			69.00	82.00		N.Q.	N.Q.	68.3
			76.25	68.00	67.75			69.00	82.00	67.25	N.Q.	N.Q.	67.9
	21 28		75.00	66.25	67.00			65.50	82.00	65.00	N.Q.	N.Q.	65.7
		/7.00	12.00	00.27	0/.00	07.00	H.V.	0,.00	04.00	0.00	n . y .	····	

Table 20.--CIF Northern Europe price quotations for principal growth of "A" type cotton

I/ On August 1, 1987 Pakistan type 1505 has been included in the "A" index selection. 2/ The "A" index is an average of the cheapest five types of M 1-3/32" staple length cotton offered on the European market. N.Q.=No quotes.

Source: Cotton Outlook, Liverpool Cotton Services LTD.

Month & week	Or leans/ Texas	Pakistan	China	Russia	Turkey	Southern Brazil	Argentina	"B" Index 17
				U.S. 0	ents per poi	und		
987								
ug. 6	79.50	80.00	N.Q.	82.00	81.25	N.Q.	N.Q.	80.25
13	80.25	80.00	N.Q.	82.50	82.50	N.Q.	N.Q.	80.90
20 27	82.00 82.00	81.50 81.75	N.Q. N.Q.	83.75 84.25	84.25 84.75	N.Q. N.Q.	N.Q.	82.40 82.65
21	02.00	01.75	N.Y.	04.27	04.75	N.Y.	N.Q.	62.09
ept. 3	78.00	78.50	N.Q.	81.50	84.75	N.Q.	N.Q.	79.35
10	75.50	75.00	N.Q.	80.00	85.00	N.Q.	N.Q.	76.85
17	78.25	77.50	N.Q.	81.00	87.00	N.Q.	N.Q.	78.90
24	78.00	77.50	N.Q.	80.50	<b>89.0</b> 0	N.Q.	N.Q.	78.65
ct. 1	74.50	72.50	N.Q.	76.00	90.00	N.Q.	N.Q.	74.35
8	73.75	71.25	N.Q.	75.00	90.00	N.Q.	N.Q.	73.35
15	71.75	66.25	N.Q.	72.75	88.00	N.Q.	N.O.	70.25
22	69.75	66.50	N.Q.	72.00	85.00	N.Q.	N.Q.	69.40
29	67.25	62.50	N.Q.	69.75	83.00	N.Q.	N.Q.	66.50
ov. 5	70.00	69.50	N.Q.	72.50	83.00	N.Q.	N.Q.	70.65
12	68.50	68.50	N.Q.	71.75	85.00	N.Q.	N.Q.	69.60
19	72.50	73.50	N.Q.	75.00	85.00	N.Q.	N.Q.	73.65
26	71.75	72.00	N.Q.	75.25	85.00	N.Q.	N.Q.	73.00
ес. 3	70.00	72.00	N.Q.	74.25	85.00	N.Q.	75.50	72 10
10	67.75	69.75	N.Q.	72.75	85.00	N.Q.	71.50	72.10 69.65
17	69.00	70.00	N.Q.	73.00	86.00	N.Q.	72.50	70.50
24	70.25	70.25	N.Q.	74.00	86.00	N.Q.	73.00	71.15
31	71.25	71.25	N.Q.	75.00	84.50	N.Q.	73.50	72.00
988								
an. 7	69.50	68.50	N.Q.	73.00	81.00	N.Q.	72.00	70.00
14	69.50	67.25	N.Q.	72.25	80.00	N.Q.	72.25	69.65
21	67.75	65.00	N.Q.	70.50	80.00	N.Q.	70.00	67.60
28	<b>66.0</b> 0	62.50	N_Q_	68.75	78.00	N.Q.	67.50	65.35
eb. 4	65.00	62.50	N.Q.	68.25	75.00	N.Q.	66.00	64.50
	65.00	63.00	N.Q.	67.75	73.00	N.Q.	65.00	64.35
18	67.50	63.00	N.Q.	68.50	72.00	N.Q.	64.50	65.00
25	64.75	61.25	N.Q.	67.50	72.50	N.Q.	63.00	63.00
ar. 3	66.00	61.25	N.Q.	68.25	69.00	N.Q.	64.00	<b>63.</b> 75
10	65.75	60.00	N.Q.	67.75	66.50	N.Q.	62.75	62.85
17	68.25	60.00	N.Q.	70.00	66.50	N.Q.	62.50	63.10
24	67.75	59.00	N.Q.	70.50	66.50	N.Q.	61.50	62.35
31	67 <b>.0</b> 0	58.25	N.Q.	70.00	65.00	N.Q.	61.00	61.40
pr. 7	66.50	57.75	N.Q.	68.25	64.75	N.Q.	61.25	61.25
14	67.25	59.25	N.Q.	68.25	64.75	N.Q.	61.50	61.85
21	67.50	58.50	N.Q.	67.75	64.75	N.Q.	60.00	61.10
28	68.25	58.50	N.Q.	68.50	65.00	N.Q.	59.50	61.00
ay 5	68.50	58.75	N.Q.	N.Q.	64.50	N.Q.	59.75	61.00
12	68.50	59.50	N.Q.	N.Q.	63.50	N.Q.	57.25	60.10
19	71.50	62.25	N.Q.	N.Q.	63.50	N.Q.	59.50	61.75
26	71.00	61.75	N.Q.	N.Q.	63.50	N.Q.	60.50	61.90
une 2	71.50	62.00		NO	47 EA		20 E0	(2.00
une Z 9	72.00	63.50	N.Q. N.Q.	N.Q. N.Q.	63.50 65.00	N.Q. N.Q.	60.50 61.00	62.00 63.15
16	74.50	64.75	N.Q.	N.Q.	67.00	N.Q.	63.50	65.10
23	73.00	66.00	N.Q.	N.Q.	66.00	N.Q.	64.25	65.40
30	70.50	65.00	N.Q.	N.Q.	66.00	N.Q.	62.25	64.40
uly 7	70.75	63.00	N.Q.	N.Q.	66.00	NO	60.75	67 75
14	65.00	60.00	N.Q.	N.Q.	66.00	N.Q. N.Q.	58.50	63.25 61.15
źÌ	65.25	60.00	N.Q.	N.Q.	66.00	N.Q.	58.50	61.25
28	64.00	59.25	N.Q.	N.Q.	66.00	N.Q.	57.75	60.35

Table 21.--C.I.F. Northern Europe price quotations for principal growth of coarse count cotton

I The "B" index is based on coarse grades of cotton varying in staple length from 1" to 1-3/32". It is an average of the cheapest three types of seven styles, so marked. N.Q.=No quotes.

Source: Cotton Outlook, Liverpool Cotton Services LTD.

Year beginning August I	Harvested area	Yield	Beginning stocks	Production	Consumption	Exports
	Million acres	Pounds/acre		Million 480-	lb. bales	
960	79.5	272	19.7	45.1	46.2	17.1
961	79.5	269	19.0	44.5	45.2	15.6
962	79.1	285	18.8	47.0	43.9	15.9
963	81.1	302	22.7	51.0	48.0	17.9
964	82.7	313	25.7	54.0	51.5	16.9
965	82.3	333	28.8	57.1	54.0	16.9
966	77.2	327	32.3	52.5	56.0	18.2
967	76.6	324	28.5	51.7	56.1	17.5
968	79.3	346	24.0	57.1	56.5	17.0
969	80.3	329	24.5	54.9	56.2	17.7
970	78.8	337	23.3	55.3	57.3	17.7
971	82.1	347	22.4	59.4	58.6	18.7
972	82.9	359	22.9	62.0	59.8	21.2
973	81.2	374	24.9	63.2	60.9	19.6
974	83.0	372	27.7	64.2	57.9	17.5
975	76.5	340	33.4	54.2	61.9	19.1
976	75.6	360	26.0	56.6	60.9	17.6
977	81.9	376	22.0	64.1	61.2	19.1
978	81.4	353	25.2	59.9	63.5	19.8
979	79.6	396	21.7	65.7	66.2	23.2
980	79.3	393	21.1	65.0	66.1	19.7
981	81.4	420	20.5	71.2	66.1	20.2
982	77.9	420	25.3	68.1	68.3	19.5
983	76.5	411	25.2	65.6	68.3	19.2
984	84.0	504	24.0	88.2	69.9	20.2
985	78.6	486	42.4	79.6	75.8	20.2
986	73.9	457	47.2	70.4	82.5	25.9
987 <u>2</u> /	80.4	479	34.5	80.3	82.6	24.1
968 3/	85.4	483	32.2	85.9	82.7	23.5

Table 22.--World cotton supply and use, 1960/61-88/89 1/

1/ Season beginning August 1. 2/ Estimated. 3/ Forecast. Source: Prepared or estimated on the basis of offical statistics of foreign governments, other foreign source materials, reports of U.S. agricultural attaches and Foreign Service Officers, results of office research and related information.

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Year beginning August I	Harvested area	Yield	Beginning stocks	Production	Consumption	Exports
	Million acres	Pounds/acre		Million 480-	lb. bales	
960	64.2	230	12.2	30.8	37.8	10.3
961	63.8	227	12.0	30.2	36.2	10.6
962	63.6	243	11.1	32.1	35.4	12.5
963	66.9	256	11.6	35.7	39.3	12.2
964	68.6	272	13.4	38.9	42.2	12.7
965	68.7	295	14.5	42.2	44.4	13.9
966	67.6	305	15.3	42.9	46.4	13.4
967	68.7	310	16.2	44.3	47.1	13.1
968	69.1	321	17.5	46.2	48.2	14.2
969	69.2	312	18.0	44.9	48.1	14.8
970	67.6	320	17.5	45.1	49.1	13.9
971	70.6	332	18.2	48.9	50.4	15.3
972	69.9	332	19.6	48.3	52.0	15.9
973	69.2	348	20.7	50.2	53.4	13.5
974	70.4	359	23.9	52.7	52.0	13.6
975	67.7	325	27.7	45.9	54.7	15.8
976	64.7	342	22.3	46.0	54.2	12.8
977	68.7	348	19.0	49.7	54.8	13.7
978	69.0	341	19.9	49.0	57.2	13.6
979	66.8	367	17.7	51.1	59.7	14.0
960	66.1	391	18.1	53.9	60.2	13.8
961	67.6	395	17.8	55.6	60.9	13.7
982	68.2	396	18.7	56.2	62.8	14.2
983	69.2	401	17.3	57.8	62.4	12.4
984	73.6	491	21.2	75.2	64.3	14.0
985	68.4	464	38.3	66.1	69.4	18.3
986	65.5	445	37.8	60.7	75.0	19.2
987 2/	70.4	447	29.5	65.5	74.9	17.5
988 3/	73.7	462	26.6	71.0	75.7	18.8

Table 23.---Foreign cotton supply and use, 1960/61-88/89 1/

See table 24 for footnotes.

Year			Manmade			
beginning August I	Cotton	Rayon and acetate staple	Non- cellulosic staple	Total	Total fibers	Cotton's share of total
		480	)-lb. bale equiva	alents		Percent
1960	8,352,560	755,077	220,590	975,667	9,328,227	89.5
961	9,017,265	980,065	304,555	1,284,621	10,301,886	87.5
1962	8,483,810	1,166,006	466,158	1,632,164	10,115,974	83.9
963	8,696,429	1,330,546	553,485	1,884,031	10,580,460	82.2
964	9,260,665	1,351,581	707,290	2,058,871	11,319,536	81.8
965	9,595,725	1,312,531	955,354	2,267,885	11,863,610	80.9
966	9,573,850	1,180,877	1,055,329	2,236,206	11,810,056	81.1
1967	9,076,933	1,276,856	1,433,392	2,710,248	11,787,181	77.0
968	8,331,508	1,467,946	l,687,473	3,155,419	11,486,927	72.5
1969	8,113,873	1,220,717	1,807,658	3,028,375	11,142,248	72.8
1970	8,204,292	1,054,587	1,899,029	2,953,616	11,157,908	73.5
1971	8,259,171	1,107,437	2,201,235	3,308,672	11,567,843	71.4
1972	7,768,748	1,139,198	2,721,302	3,860,500	11,629,248	66.8
1973	7,471,977	1,151,987	2,810,637	3,962,624	11,434,601	65.3
1974	5,860,177	665,392	2,381,696	3,047,088	8,907,265	65.8
975	7,249,667	810,535	2,941,290	3,751,825	11,001,492	65.9
1976	6,674,400	805,140	3,180,658	3,985,798	10,660,198	62.6
1977	6,482,521	802,933	3,416,958	4,219,891	10,702,412	60.6
978	6,351,852	723,506	3,424,231	4,147,737	10,499,589	60.5
979	6,505,540	632,658	3,521,385	4,154,043	10,659,583	61.0
1980	5,890,819	586,467	3,497,940	4,084,407	9,975,226	59.1
1981	5,263,812	488,169	3,021,594	3,509,763	8,773,575	60.0
982	5,512,767	453,981	3,078,848	3,532,829	9,045,596	60.9
983	5,926,283	540,502	3,314,700	3,855,202	9,781,485	60.6
1984	5,517,319	479,221	2,781,425	3,260,646	8,777,965	62.9
985	6,496,549	528,040	3,052,558	3,580,598	10,077,147	64.5
1986	7,385,108	534,815	3,087,129	3,621,944	11,007,052	67.1
1987 1/	7,558,819	560,883	3,089,708	3,650,591	11,209,410	67.4

## Table 24.--Upland cotton and manmade staple fibers: Mill consumption on cotton-system spinning spindles, 1960-87

I/ Preliminary and estimated.

Compiled from reports of the Bureau of the Census.

			Textile t	rade I/	Total	<b>~</b> .	Per	capita <u>3</u> /
Year and fiber	U.S. mill use	Percent of fibers	Exports	Imports	domestic consumption <u>2</u> /	Percent of fibers	Mill use	Domestic consumption
	Million pounds	Percent	N	lillion pour	ds	Percent		Pounds
COTTON								
1984	2,716.1	25.1	206.1	. 1,465.5	3,975.5	30.2	11.5	16.8
1985	2,813.4	25.2	213.2	1,629.2	4,229.4	30.5	11.8	17.7
1986	3,256.3	27.0	274.8	1,910.5	4,892.0	31.0	13.5	20.2
1987	3,783.75	29.1	298.0	2,335.7	5,821.4	33.9	15.5	23.9
NOOL								
1984	142.1	1.3	12.0	210.2	340.2	2.6	0.6	1.4
1985	116.6	1.0	17.8	264.8	363.6	2.6	0.5	1.5
1986	136.7	1.2	16.0	275.6	396.3	2.5	0.6	1.6
987	142.8	1.1	23.5	276.1	395.4	2.3	0.6	1.6
MANMADE FIBERS								
1984	7,966.1	73.5	487.9	1,342.6	8,820.8	67.1	33.6	37.2
1985	8,225.5	73.8	449.2	1,491.0	9,267.3	66.8	34.3	38.7
986	8,652.0	71.8	519.3	1,703.0	9,835.7	62.4	35.8	40.7
1987	9,047.9	69.7	591.9	1,805.4	10,261.4	59.7	37.1	42.1
FLAX AND SILK								
1984	7.9	0.1			7.9	0.1	<u>4</u> /	<u>4</u> /
1985	5.1	<u>4</u> /			5.1	<u>4</u> /	4/	<u>4</u> /
986	4.7	<u>4</u> /		632.2	636.9	4.1	<u>4</u> /	2.6
1987	6.0 <u>5</u> /	<u>4</u> /		702.7	708.7	4.1	<u>4</u> /	2.9
ALL FIBERS 6/								
1984	10,832.2	100.0	706.0	3,018.3	13,144.4	100.0	45.7	55.4
985	11,160.6	100.0	680.2	3,385.0	13,865.4	100.0	46.6	57.9
1986	12,049.7	100.0	810.1	4,521.3	15,760.9	100.0	49.9	65.3
987	12,980.4	100.0	913.4	5,119.9	17,186.9	100.0	53.2	70.5

Table 25.--U.S. fiber consumption: Total and per capita, by type of fiber

1/ Raw fiber equivalent of imports and exports of textile products. 2/ Total domestic consumption is U.S. mill consumption plus net textile product trade balance. 3/ July | population for 1984= 237.0 million, 1985= 239.3 million, 1986= 241.6 million, and 1987= 243.9 million. 4/ Less than 0.05 pounds or 0.1 percent. 5/ Estimated. 6/ Includes flax and silk.

Table 26.---Manmade fiber production and capacity, 1987-90 1/

<b>*</b> • •			1987					1 <b>98</b> 8					198	9		<b>D</b> 1 1	Averag
Fiber	IQ	2Q	30	4Q	Year	10	2Q	3Q	40	Year	IQ	2Q	<b>X</b> Q	40	Year	Planned 1990 capacity	annua chang 1988-9
							Mill	ion pou	nds								Percen
AND TOTAL ALL FIBE Capacity Production Percent	RS 3/ 2,476 2,182 88	2,468 2,275 92	2,494 2,228 89	2,524 2,260 90	9,962 8,945 90	2,530 2,244 89	2,534 2,311 91	2,559	2,587	10,210	2,605	2,625	2,632	2,646	10,508	10,667	2.2
TOTAL STAPLE Capacity Production Percent	1,279 1,171 92	1,277 1,209 95	1,295 1,163 90	1,315 1,178 90	5,166 4,721 91	1,316 1,174 88	1,315 1,200 89	1,321	1,329	5,28)	1,336	1,345	1,347	1,353	5,381	5,445	1.6
TOTAL FILAMENT <u>3</u> / Capacity Production Percent	1,197 1,011 84	1,191 1,066 90	1,199 1,065 88	1,209 1,082 90	4,796 4,224 88	1,214 1,070 89	1,249 1,111 96	1,238	i,258	4,929	1,269	1,280	1,285	1,293	5,127	5,222	3.0
YESTER TOTAL Capacity Production Percent	966 869 90	954 899 94	959 873 91	962 900 94	3,841 3,541 92	965 878 91	967 928 96	970	<del>9</del> 73	3,875	<del>9</del> 82	990	990	991	3,953	3,962	١.
STAPLE Capacity Production Percent	618 581 94	613 596 97	622 579 94	630 606 96	2,483 2,362 95	633 593 94	636 617 97	637	638	2,544	646	654	654	654	2,608	2,616	1.
FILAMENT Capacity Production Percent	348 288 83	34) 303 89	337 294 87	332 294 89	1,358 1,179 87	332 285 86	. 331 311 94	333	335	1,331	336	336	336	337	1,345	1,346	0.
LON TOTAL Capacity Production Percent	728 661 91	739 688 94	740 686 93	741 654 88	2,948 2,689 91	743 660 89	744 676 91	756	767	3,010	773	778	782	787	3,120	3,168	2.
STAPLE Capacity Production Percent	272 247 91	276 261 95	280 253 90	284 231 81	1,112 992 89	284 231 82	283 236 83	286	289	1,142	290	291	291	292	1,164	1,173	١.
FILAMENT Capacity Production Percent	456 414 91	463 427 93	460 433 95	457 423 93	1,836 1,697 93	459 429 94	461 440 95	470	478	1,868	483	487	491	495	1,956	1 <b>,99</b> 5	3.
EFIN TOTAL Capacity Production Percent	437 342 77	428 376 84	449 379 83	472 398 85	1,786 1,495 82	476 396 84	478 395 83	488	499	1,941	505	510	515	520	2,050	2,147	5.
STAPLE Capacity Production Percent FILAMENT	112 86 77	110 92 84	115 92 81	121 91 75	458 361 79	121 94 78	120 95 79	121	123	485	123	122	125	128	498	540	5.
Capacity Production Percent	325 256 77	318 284 85	334 287 84	351 307 88	1,328 1,134 83	355 302 86	358 300 84	367	367	1,456	382	388	390	392	1,552	1,607	5
RYLIC STAPLE Capacity Production Percent	161 156 97	162 159 98	162 135 83	163 142 87	648 592 91	6   49  9	159 151 95	160	161	641	160	161	1 <b>60</b>	161	642	647	0
ER FIBERS <u>2</u> / Capacity Production Percent	7 5 71	8 6 75	7 5 71	8 6 75	30 22 73	7 5 71	8 6 75	7	8	30	7	8	7	8	30	30	
I-CELLULOSIC TOTAL Capacity Production Percent	- 3/ 2,299 2,035 88	2,291 2,127 92	2,317 2,079 89	2,346 2,099 90	9,253 8,340 90			2,381	2,408	9,497	2,427	2,447	2,454	2,467	9,795	9,954	2
STAPLE Capacity Production Percent	1,163 1,070 92	1,161 1,108 95	1,179 1,059 90		4,701 4,307 92	,199 1,067 89		1,204	1,211	4,812	1,219	1,228	1,230	1,235	4,912	4,976	1
FILAMENT 3/ Capacity Production Percent	1,136 965 85	1,130 1,019 89	1,020	1,148 1,029 90	4,552 4,033 88	1,153 1,021 89	1,158 1,057 91	1,177	1,197	4,685	1,20 <b>8</b>	1,219	1,224	1,232	4,883	4,978	3
LULOSIC STAPLE Capacity Production Percent	116 101 87	116 101 87	116 104 90	117 108 92	465 414 89	117 107 92	117 101 86	117	118	469	117	117	117	118	469	469	
LULOSIC FILAMENT Capacity Production Percent	61 46 75	61 47 77	61 45 74	61 53 87	244 191 78	61 49 80	61 54 89	61	61	244	61	61	61	61	244	244	

.

Source: Compiled from <u>Textile</u> <u>Organon</u>.

Table 27. --Domestic shipments of manmade fibers by major category, 1984-88 1/

		19	84			19	85			19	86				1987			88
Fiber type	IQ	2 Q	3 Q	4 Q	IQ	2 Q	3 Q	4 Q	IQ	2 Q	3 Q	4 Q	ΙQ	2 Q	3 Q	4 Q	I Q	2 Q
						Mil	lion po	unds		····	·							
loven product:	5:																	
lotal	586.7	570.4	544.1	531.6	498.4	513.5	519.5	542.3	534.4	533.6	536.7	535.4	524.7	563.2	559.i	586.3	564.1	
Polyester	387.4	374 <b>.7</b>	362.5	350.9	320.7	326.9	327.3	335.0	326.2	319.0	319.8	312.7			316.2		322.8	
Rayon	48.9	42.8	43.2	42.8	39.0	39.4	44.6	51.9	55.9	53.2	55.1	55.8	52.9			62.7	58.7	
Diefin	60.6	63.4	56.6	61.7	64.8	71.0	65.5	66.5	66.9	76.2	78.6	85.3	77.8		90.4	102.0	94.2	-
lylon	43.6	45.8	42.0	41.7	36.1	32.2	34.8	36.8	38.2	38.0	35.1	35.8	37.1	39.0	43.1	41.0	39.1	~
Acetate	29.9	30.8	27.5	21.3	22.9	27.0	29.3	33.6	32.8	32.1	32.0	31.4	26.7	32.1	31.8	34.4	32.5	
Acrylic	16.3	12.9	12.3	13.2	14.9	17.0	18.0	18.5	16.4	15.1	16.1	14.4	15.8	17.5	17.7	16.4	16.8	-
(nit products	:																	
lotal	345.9	333.3	291.5	282.3	296.6	330.1	338.1	331.0	345.8	364.3	357.2	355.4	368.6	375.0	339.8	331.5	328.2	-
olvester	166.0	154.5	131.7	139.2	137.9	163.1	171.5	165.8	167.8	165.5	171.5	183.0	181.5	196.2	182.5	190.9	175.1	
lylon	73.1	64.5	62.5	61.1	65.2	62.2	64.4	65.7	68.3	65.1	60.0	59.4	63.7	63.5	63.5	60.9	61.4	-
crylic	86.4	92.1	79.5	65.3	76.1	87.2	86.6	86.4	95.9	117.7	111.6	99.9	112.7	105.2	87.5	72.1	85.3	~
cetate	18.5	20.8	15.7	14.5	15.9	15.8	12.8	11.1	12.0	14.3	12.3	11.2	9.1	8.4	5.2	6.3	5.9	
layon	1.9	1.4	2.1	2.2	1.5	1.8	2.8	2.0	1.8	1.7	1.8	2.0	1.6	1.7	1.1	1.1	0.5	
Carpets:																		
lotal	521.3	543.8	517.2	549.0	525.0	606.7	626.0	623.0	582.7	623.9	694.7	700.3	686.3	722.0	732.8	675.0	726.8	_
vion	385.7	393.8	370.5	371.2	340.4	397.5	423.0	428.4	387.1	406.4	476.4	449.3	458.7	474.7	476.7	411.0	457.2	448.8
Diefin	104.2	114.4	114.6	145.2	153.8	175.2	172.6	162.5	164.2	178.9	181.9	212.5	180.8	196.6	204.7	203.9	203.3	
Polyester	31.2	35.6	32.0	32.6	30.7	33.9	30.3	31.9	31.3	38.4	36.9	38.4	46.8	50.7	51.4	60.1	66.1	68.
Rayon	0.2		0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2		0.1				_	0.2	

1/ Filament plus staple. 2/ Data only available for carpets; nylon and polyester. - = figures not available.

Source: <u>Textile</u> <u>Organon</u>.

	Wor	sted appar	el	We	colen appar	el			
Year		Coarser			Coarser		Total	Carpet	Total
	60's and finer	than 60's	Total	60's and finer	than 60's	Total	apparel		raw Wool
					<b>i,00</b> 0 pound	s			
960	73,283	59,287	132,570	46,485	67,138	113,623	246,193	164,648	410,84
961	92,916	57,889	150,805	51,682	60,915	112,597	263,402	149,057	412,45
962	89,604	67,485	157,089	51,279	58,656	109,935	267,024	148,853	415,87
963	77,561	69,308	146,869	45,003	56,763	101,766	248,635	160,399	409.03
964	74,627	67,116	141,743	38,632	53,547	92,179	233,922	122,737	356,659
965	99,999	56,870	156,869	41,327	60,281	101,608	258,477	112,330	370,80
966	98,110	67,783	165,893	34,518	61,651	96,169	262,062	103,587	365,64
967	82,936	58,430	141,366	29,381	56,911	86,292	227,658	84,544	312,20
968	89,678	65,037	154,715	29,912	53,663	83,575	238,290	91,407	329,69
969	82,280	56,710	138,990	29,574	49,805	79,379	218,369	93,758	312,12
970	51,631	59,019	110,433	18,930	34,072	53,002	163,652	76,609	240,26
971	37,707	38,069	75,776	14,760	25,669	40,429	116,205	74,779	190,98
972	54,610	37,396	92,006	19,912	30,315	50,227	42,233	76,368	218,60
973	40,151	28,055	68,206	13,593	28,073	41,666	109,872	41,394	151,26
974	23,841	18,041	41,882	10,909	22,065	32,974	74,856	18,595	93,45
975	34,097	18,965	53,062	15,738	25,317	41,055	94,117	15,908	110,02
976	34,929	21,871	56,800	20,583	29,246	49,829	106,629	15,117	121,74
977	27,552	19,324	46,876	22,308	26,301	48,609	95,485	12,526	108,01
978	32,726	16,488	49,214	24,432	28,600	53,032	102,246	13,009	115,25
979	30,115	19,062	49,177	29,035	28, 321	57,356	106,533	10,513	117,04
980	35,535	20,852	56,387	28,240	28,796	57,036	113,423	10,020	123,44
981	41,238	22,012	63,250	35,160	29,342	64,502	127,752	10,896	138,64
982	36,241	21,271	57,512	23,763	<b>24,5</b> 82	48, 345	105,857	9,825	115,68
983	42,441	23,607	66,048	30,467	30,214	60,681	126,729	13,851	140,58
984	39,686	24,136	63,822	32,913	32,247	65,160	128,982	13,088	142,07
985	33,646	16,665	50,311	28,046	27,694	55,740	106,051	10,562	116,61
986	41,719	18,760	60,479	34,122	32,16/	66,289	126,768	9,960	156,72
987	53,814	14,849	68,663	32,401	28,615	61,014	129,677	13,092	142,76

Table 28.--U.S. mill consumption of raw wool, scoured basis, 1960-1987

									Su	pply and	utilizat	ion			
	Stock	Unshorn	Sheep		Produ	iction	<b></b>								
Year	sheep Jan I	lambs	shorn	Yield	Shorn wool	Pulled wool	Beginning stocks Jan I	Pro- duction	Imports	Unac- counted	Total Supply	Mi i i use	Exports		Ending stocks
		Million		Lbs. per hea		lion a lbs.			Mill	ion clear	lbs.				
1973	8.8	3.5	10.6	8.0	84.8	1.0	63.1	45.5	90.0	0.0	198.6	130.0		131.0	53.3
1974	9.8	3.8	12.0	7.7	92.9	1.0	59.9	49.8	94.2	0.0	203.9	140.3	0.5	140.8	51.5
1975	10.5	4.0	12.9	8.0	102.9	1.0	58.4	55.1	78.1	7.4	191.6	138.1	1.0	139.1	47.5
1976	11.4	4.2	13.2	8.0	106.1	1.0	47.5	62.2	57.5	-2.8	164.4	121.7	1.1	122.8	41.6
1977	11.3	4.5	13.5	8.1	109.8	1.2	41.6	58.5	52.0	-2.7	150.4	108.0		108.4	42.0
1978	11.1	4.1	13.3	8.0	105.4	1.1	42.0	55.1	50.4	-16.7	164.2	115.4		115.7	48.5
1979	10.8	3.9	13.1	8.0	104.9	0.9	48.5	56.1	42.3	17.2	164.1	117.0	0.3	117.3	46.8
1980	11.1	4.1	13.3	8.0	105.4	1.1	46.8	56.4	56.5	9.9	169.6	123.4	0.3	123.7	45.9
1981	11.3	4.5	13.5	8.1	109.8	1.2	45.9	58.8	74.3	9.7	188.7	138.6		138.9	49.8
1982	11.4	4.2	13.2	8.0	106.1	1.0	49.8	56.8	61.4	7.5	175.5	115.7		117.1	58.4
1983	10.4	4.8	12.9	8.0	102.9	1.0	58.4	55.1	78.1	8.9	200.5	140.6		141.6	
1984	9.8	4.6	12.3	7.8	95.5	1.0	58.9	51.1	94.2	-10.0	194.2	142.1	0.5	142.6	51.6
1985	8.8	4.7	11.2	7.9	87.9	1.0	51.6	47.2	79.5	-9.6	168.7	116.6	1.4	118.0	50.7
1986	8.5	4.6	10.9	7.8	84.8	1.0	50.7	45.5	97.0	-8.8	184.4	136.7	0.8	137.5	
1987	8.8	4.2	11.0	7.8	85.8	1.0	46.9	46.0	105.1	-8.8	189.2	142.8		143.8	45.4
1988 <u>1</u> /	9.0	4.4	11.3	8.0	90.4	1.0	45.0	48.0	100.0	0	193.0	145.0	1.0	146.0	47.0

I/ Preliminary and estimated. Source: Bureau of Census and USDA.

### Table 30----U.S. mohair supply and use 1973-88

								Supply and	utilization	ו			
Year	Angora goats Jan 1 I/	Angora goats clipped 1/	Yield 1/	Pro- duction 1/ (Texas)	Beginning stocks Jan I	Pro- duction 2/	Imports	Unac- counted	Total supply	Mill use	Exports	Total use	Ending stocks Dec 31
	Thou	sand	Lbs./hd.	Thousar grease				Million c	lean lbs.			<u> </u>	
1973 1974	1,375 1,180	1,450 1,175	6.85 7.15	9,930 8,400	5,965 2,378	7,944 6,720		3431	13,909 12,529	2,207 1,199		11,531 8,620	2,378 3,909
1975 1976 1977 1978 1979	990 950 1,100 1,070 1,050	1,215 1,100 1,215 1,188 1,275	7.08 7.36 6.58 6.82 7.29	8,600 8,100 8,000 8,100 9,300	3,909 892 1,620 1,147 905	6,880 6,480 6,400 6,480 7,440	19 37 60 6 7	2,194 0 319 514	10,808 9,603 8,080 7,952 8,866	i,088 822 743 490 695	7,161 6,190 6,557	9,916 7,983 6,933 7,047 7,147	892 1,620 1,147 905 1,719
1980 1981 1982 1983 1984	1,080 1,050 1,130 1,140 1,150	1,240 1,300 1,330 1,360 1,450	7.10 7.62 7.52 7.79 7.72	8,800 10,100 10,530 11,400 12,170	1,719 1,719 1,776 2,178 1,250	7,040 8,420 8,000 8,660 9,250	45 226 24 45 5	(164) -665 721 721 -1,035	8,640 9,700 10,521 11,604 9,470	700 800 600 700 700	7,124 7,743 9,654	6,921 7,924 8,343 10,354 8,450	1,719 1,776 2,178 1,250 1,020
1985 1986 1987 1988 3/	1,300 1,430 1,370 1,310	1,730 2,000 2,000 1,700	7.70 8.00 8.10 7.70	14,460 17,780 18,410 15,050	1,020 1,304 1,541 1,778	10,990 13,510 13,990 11,440	20 13 7 7	-1,035 1,436 352 975	10,995 16,263 15,890 14,200	100	8,991 14,622 14,012 13,000	9,691 14,722 14,122 13,200	,304  ,54   ,778  ,000

1/ Texas only 1973-1981. In 1970, the last year of production in which data were available for other States, Texas accounted for 96.3 percent of the U.S. total. Estimated total U.S. production 1982-1986. 2/ Eighty percent of greasy before 1982 and 76 percent of greasy thereafter.

Source: Bureau of Census and USDA.

			Aus	stralian o	ffering p	rices, cle	en <u>1</u> /		G	iraded terr	itory shor	n wool, cl	aan basis	<u>4</u> /
Year begin- ning Jan I	U.S. farm prica shorn wool grease basis <u>2</u> /	Grade 70's type 61	Grade 64/70's type 62	Grade 64's type 63	Grade 62's type 64	Grade 60/62's type 64A	Grade 58's-56's 433-34	Market indi- cator <u>3</u> /	64's staple 2-3/4" & up	62's stapie 3" & up	60's staple 3" & up	58's staple 3~1/4" & up	56's staple 3-1/4" & up	54's staple 3-1/2" & up
	Cents/lb.							-U.S. \$/1	b					
1978	74.5	2.11	2.08	2.06	2.04	2.05	1.97	<del></del>	1.89	1.80	1.74	1.70	1.67	1.63
1979	86.3	2.63	2.51	2.38	2.34	2.32	2.13		2.18	2.06	1.96	1.85	1.79	1.74
1960	88.1	3.07	2.89	2.74	2.55	2.45	2.30	414	2.45	2.30	2.17	2.00	1.89	1.80
1961	94.4	3.08	3.01	2.96	2.85	2.77	2.57	429	2.78	2.58	2.23	1.89	1.81	1.74
1982	68.6	2.99	2.90	2.77	2.63	2.52	2.27	445	2.47	2.30	1.81	1.58	1.46	1.38
1983	61.3	2.77	2.64	2.56	2.46	2.38	2.16	473	2.12	1.86	1.52	1.37	1.28	1.21
1964	79.5	3.01	2.68	2.53	2.42	2.31	2.04	496	2.29	2.11	1.92	1.79	1.65	1.52
1985	63.3	2.91	2.49	2.19	2.06	1.87	1.61	541	1.92	1.71	1.50	1.39	1.33	1.30
1986	86.6	2.60	2.38	2.26	2.13	1.91	1.64	553	1.91	1.71	1.54	1.42	1.36	1.31
1987	91.7	4.35	3.57	3.14	2.76	2.37	2.11	779	2.65	2.28	1.97	1.75	1.60	1.47

--- = unavailable 1/ F.o.b. Australian Wool Corporation South Carolina warehouse in bond. A duty of 10 cents per pound, clean, should be added to these prices. 2/ Annual weighted average. 3/ Index of prices of all wool sold by AWC in Australia (A cents per kgm. clean). 4/ Refers to wool produced in Texas and the Rocky Mountain states.

Calendar year	Finer than 58's	Total dutiable	Total duty-free	Grand Total	Share Finer than 58's of grand total raw wool imports
	<u> </u>	·	1,000 pounds		Percent
1960	46,250	74,226	153,904	228,130	20.3
1961	61,404	90,318	157,335	247,653	24.8
1962	84,743	125,780	143,460	269,240	31.5
1963	70,544	109,196	167,962	277,158	25.5
1964	63,855	98,415	113,932	212,347	30.1
1965	107,435	162,637	105,943	271,580	39.6
1966	104,921	162,537	114,625	277,162	37.9
1967	69,046	109,071	78,205	187,276	36.9
1968	82,158	129,717	119,599	249, 376	33.0
1969	65,469	93,523	95,664	189,187	34.6
1970	46,318	79,810	73,325	153,135	30.2
1971	29,312	42,682	83,893	126,575	23.2
1972	20,805	24,790	71,849	96,639	21.5
1973	14,870	19,587	40,524	60,111	24.7
1974	7,593	11,800	15,147	26,947	28.2
1975	13,371	16,571	17,021	33,592	39.8
1976	31,060	38, 387	19,076	57,463	54.1
1977	24,423	34,175	18,780	52,955	46.1
1978	19,833	26,998	23,403	50,401	39.4
1979	14,080	20,283	22,046	42, 329	33.1
1980	27,191	30,491	25,992	56,483	48.1
1981	39,673	48,106	26,146	74,252	53.4
1982	32,245	39,988	21,433	61,421	52.5
1983	41,604	49, 371	28,688	78,059	53.3
1984	50,298	63,271	30,906	94,177	53.4
1985	40,821	50,164	29, 308	79,472	51.4
1986	54,003	66,090	30,901	96,991	55.7
1987	64,130	74,054	31,066	105,120	61.0

Table 32.--U.S. imports of dutiable and duty-free raw wool for consumption, clean content, 1960-87 1/

I/ Wool not advanced in any way or by any process of manufacture beyond washed, scoured, or carbonized condition. Imports for consumption include entries for immediate consumption and warehouse withdrawals for consumption.

	C	otton		Wool	Manm	ade
Year	Imports	Exports	Imports	Exports	Imports	Exports
			1,000	pounds		<u> </u>
1960	252,256	233,272	132,132	4,695	31,338	90,772
1961	188,896	239,181	127,458	4,538	23,491	86,351
1962	309,848	220,307	145,637	4,369	30,557	90,467
1963	304,312	207,807	152,549	5,589	36,207	97,078
1964	300,165	213,235	141,147	6,998	50,005	108,471
1965	360,710	173,732	156,689	12,662	79,032	129,056
1966	510,710	189,526	144,272	10,110	123,065	139,976
1967	443,385	188,399	123,434	8,641	138,818	132,978
1968	473,846	188,200	145,967	9,339	193, 325	128,994
1969	487,897	232,063	129,670	8,893	257,460	146,230
1970	463,177	199,186	116,560	7,424	329,258	147,052
1971	492,567	226,311	89,705	12,046	451,072	146,667
1972	610,703	290,444	95,377	33, 332	480,453	177,584
1973	563,501	325, 197	89,962	33, 363	465,319	228,227
1974	502,679	392,493	74,225	25,975	371,252	390,734
1975	501,252	353,663	68,422	21,386	400,376	322,388
1976	708,601	413,154	98,579	15,082	479,487	352,176
1977	669,407	369,461	116,606	13,038	531,130	367,076
1978	845,424	355,745	129,369	12,467	642,587	441,700
1979	746,096	477,968	109,543	15,590	524,973	596,580
1980	810,930	523,096	103,288	24,264	771,544	540,644
1981	961,900	367,300	113,626	12,332	637,733	639,076
1982	903,791	253, 342	112,240	11,945	807,096	438,551
1983	1,135,502	219,614	149,781	579, ۱۱	1,069,490	460,713
1984	1,465,475	206,081	210,165	12,028	1,342,569	487,870
1985	1,629,168	213,224	264,829	17,761	1,491,027	449,152
1986	1,910,474	274,828	275,626	16,027	1,702,957	519,307
1987	2,335,696	298,004	276,092	23,455	1,805,443	591,869

Source: Compiled from U.S. Bureau of the Census data.

Table	34Raw	cotton	equivalent	of U.S.	textile	imports.	1983-88

	Yarn,	thread,			fabric				Pr	imarily	nanufactu	red produc	ts				
Year and month	Yarn	Sewing thread, crochet, knitting yarn		fabric Blends	Total	Pile fabrics and mfrs. 2/	Table damask and mfrs,	Bed clothes and towels <u>3</u> /	Gloves, hosiery, and hdkf.	Other wearing apparel 4/	Lace fabric and articles 5/	House- hold and clothing articles <u>6</u> /	Misc. products <u>7</u> /	Floor cover- ing	Knit fabric <u>8</u> /	Totel	Grand tota) imports <u>9</u> /
									1,000 p	ounds							
1983 1984 1985 1986	40,881 52,897 53,818 103,249	1,250 1,809 2,588 2,672	274,467 360,701 341,896 431,289	90,126 93,569	380,706 505,533 491,874 634,678	7,721 12,572 17,916 19,576	438 489 515 822	70,067 106,468 127,494 133,637	25,383 26,609 30,052 27,054	597,423 733,111 865,476 988,906	5,957 9,651 10,372 6,787	18,652	37,741	7,526 14,649 17,984 18,389	) NA 1,608	959,942	1,135,502 1,465,575 1,629,166 1,910,477
1987 Jan. Feb. Mar. Apr. Aug. Jul. Aug. Sept. Oct. Nov. Dec. Total	10,034 10,908 7,856 7,220 6,189 8,833 11,550 13,363 15,275 16,005 13,228 131,969	201 220	41,244 50,617 50,035 42,559 43,882 51,069 50,037 48,575 48,165 48,165 45,894 43,983 559,245	6,045 6,459 7,269 7,437 6,961 7,248 7,039 7,096 5,752 6,894 7,583 82,529	68, 203 65, 485 57, 417 57, 253 67, 390 68, 778 67, 383 62, 468 70, 369 69, 012 64, 953	,465  ,702  ,992  ,757  ,522  ,528  ,928  ,858  ,790  ,385  ,766  ,460 20,153	61 89 75 100 57 72 85 92 155 98 135 58 1,077	12,563 12,788 12,928 12,113 11,270 12,833 12,569 13,125 11,696 13,281 14,361 13,218 152,745	2,759 3,033 2,246 2,060 2,150 2,551 2,276 2,849 2,788 2,978 2,978 2,978 3,453 31,591	105,856 115,268 103,206 94,901 98,593 113,386 122,870 112,861 92,537 99,143 83,985 91,434	499 572 654 522 672 606 494 658 532 641 667 596 7,113	1,939 2,643 2,352 2,381 2,119 3,236 3,672 3,131 2,506 2,188 2,662	6,491 5,294 4,602 3,358 4,172 3,194 3,271 3,148 3,104 4,317 4,974	,459  ,171  ,715  ,439  ,640  ,719  ,440  ,731  ,649  ,858 3,195 20,657	344 344 355 355 629 629 6616 955 1,008 31,274 31,037	134, 258 143, 397 131, 177 120, 386 121, 998 139, 538 148, 999 140, 442 118, 464 125, 692 113, 000 122, 087 1, 559, 438	191,805 211,600 196,662 177,803 206,926 217,778 207,825 180,932 196,601 182,001 187,039 2,335,692
1988 Jan. Feb. Mar. Apr. May Jun.	10,748 8,389 8,442 7,058 7,953 6,296	208 224 505 155 129 115	29,636 33,381 36,290 33,774 29,376 30,301	6,761 7,246 6,431 6,362 5,915 5,211	51,668 47,350	,900  ,76  2,045  ,90  2,044 2,145	83 98 57 147 79 146	13,948 14,634 14,537 13,413 13,224 13,264	4,197 3,631 3,313 2,114 2,364 2,209	120,630 112,999 93,429 79,621 90,381 116,725	814 633 808 744 740 654	2,413	3,913	2,321 2,237 2,242 1,931 1,568 1,509	868 884 755 780	153,955 145,755 125,125 106,953 117,659 145,335	201,309 194,996 176,793 154,301 161,032 187,259

17 Includes tapestry and upholstery fabrics, tire cord fabrics, and cloths in chief value cotton containing other fibers. 27 Includes velvets and velveteens, corduroys, plushes and chenilies, and manufactures of pile fabrics. 37 Includes blankets, quilts, bedspreads, sheets and pillow cases. 47 Includes hit and woven underwear and outerwear (collars and cuffs, shirts, coats, vests, robes, pajamas, and ornamented wearing apparel). 57 Includes nets and nettings, vells and vellings, edging, embroideries, narrow fabrics, and lace window curtains. 67 Includes braids (except hat braids) tubing, labels, facing, wicking, loom harness, table and bureau covers, polishing and dust cloths, fabric with fast edges, cords, and tassels, garters, suspenders and braces, corsets and brassieres etc. 77 Includes belts and belting, fish nets and netting, and coated, filled or waterproof fabrics. 87 Included in miscellaneous product before 1985. 97 Includes guantities in the TSUSA 706 luggage categories. The raw fiber equivalent guantity for January-December 1986, 30,236 thousand pounds; January-December 1986, 30,236 thousand pounds.

Source: Bureau of the Census.

Table 35Raw cotton equivalent of U.S. textile exports, 1983-
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			Semi-man	ufactured						Ma	nufacture	d produ	cts				
Yuar and month	Yarn	Sewing thread crochet, darning, and em- broidery cotton yarn	Twine and cordage	Broad- woven fabric standard construc- tions <u>l</u> /	Other broad- woven fabric <u>2</u> /	Total	Knìt fabric	Blankets, spreads, pillow cases, and sheets	Towe1s	House- hold <u>3</u> /	Wearing Knit <u>4</u> /	apparel Other than knit <u>5</u> /	Other house- hold and clothing articles <u>6</u> /	products	Floor cover- ing	Total	Grand Total exports
								1,0	00 роило	is							
1983 1984 1985 1986	18,854 11,186 16,843 9,892	11,577 8,369 8,466 6,049	793 647 528 628	51,667 55,848 74,919 118,154	7,747 5,997 5,134 6,202	90,636 82,047 105,892 140,925	2,434 2,917 2,235 2,091	8,725 9,008 9,802 8,192	5,705 4,470 3,582 4,515	715 655 492 612	27,957 25,904 25,326 27,413	44,113 42,360 30,158 46,437	3,736  3,894  1,037  3,860	11,601 15,014 16,541 20,992	13,986 9,813 8,155 9,793	128,977 124,032 107,332 133,904	219,614 206,081 213,224 274,828
1987 Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sept. Oct. Nov. Dec. Total	969 898 973 840 643 2,368 1,737 913 895 1,092 994 1,169 13,491	469 344 483 200 217 233 246 1,416 1,107 234 145 113 5,207	40 75 62 37 102 49 108 114 160 51 88 41 927	7,863 11,519 10,070 8,693 8,303 7,430 6,670 8,164 6,957 7,936 8,190 7,741 99,536	368 576 663 471 520 346 436 431 562 441 469 5,643	9,709 13,196 12,163 10,433 9,736 10,601 9,107 11,043 9,550 9,857 9,857 9,853 124,803	151 143 187 169 126 202	326 594 829 873 757 916 793 657 610 755 921	358 332 442 615 611 641 503 629 381 520 579 613 6,224	40 92 86 58 81 60 93 46 72 116 70 91 905	2,110 3,569 4,297 4,111 4,240 3,950 4,178 4,076 4,068 4,416 4,628 4,180 47,823	3,878 4,922 5,120 5,223 5,120 4,736 5,357 4,415 5,618 5,487 5,481 5,267 60,584	1,065 1,079 686 862	i, 171 1, 773 1, 849 1, 803 1, 663 2, 292 1, 648 1, 661 1, 813 2, 461 1, 811 1, 688 21, 673	698 809 828 844 1,006 839 962 1,028 1,297 1,377 1,347 12,142	9,780 13,217 14,44/ 14,310 14,642 14,489 16,310 13,636 14,878 15,956 16,044 15,491 173,200	19,489 26,414 26,610 24,745 24,579 25,088 25,416 24,680 24,428 25,829 25,901 25,025 298,004
1988 8/ Jan. Feb. Mar. Apr. May Jun.	966 1,554 2,497 1,751 1,295 1,705	142 154 179 210 268 200	36 113 151 105 90 168	7,318 6,353 8,174 7,349 7,073 7,220	424 505 457 391 524 510	8,886 8,679 11,458 9,807 9,249 9,804	124 321 178 457	774 1,029 569 1,042	452 355 722 464 765 605	53 51 80 178 246 97	3,804 4,930 5,326 4,789 4,605 4,022	4,857 4,564 6,693 5,882 5,837 5,193	1,069 1,230 1,854 999	952 1,427 1,420 1,430 1,413 1,848	1,665 1,915 2,406 2,321 2,392 2,529	13,760 15,209 19,226 17,666 17,756 17,089	22,646 23,888 30,685 27,471 27,006 26,892

1/ includes fabrics, fire cord and cloth for export to the Philippines to be unbroidered and otherwise manufactured and returned to the United States. 2/ includes tapestry and upholstery fabrics, table damask, pile fabrics, and remnants. 3/ includes curtains and draperies, house furnishings not elsewhere specified. 4/ includes gloves and mitts of woven fabric. 5/ includes underwear and outerwear of woven fabric, handkerchiefs, and wearing apparel containing mixed fibers (corsets, brassieres, and girdles, garters, armbands and suspenders, neckties and cravats). 6/ includes canvas articles and manufactures, braids and narrow fabrics, elastic webbing, waterproof garments, and laces and lace articles. 7/ includes rubberized fabrics, bags, and industrial belt and belting. 8/ Some categories revised.

Table 36Raw manma	de fiber	equivalent	of U.S.	textile	imports,	1983-88
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	-	Tops	, yarn,	thread,	and wo	v <del>e</del> n fabri	c			Prin	imarily manufactured product						
Year and month	Stiver tops, and roving	Yarns thrown or plied <u>l</u> /	Yarns spun	Sewing thread and hand- work yarns		fabric	Total	<u>Wearing</u> Knit <u>2</u> /	apparel Not knit	Hand- ker- chiefs	Laces and lace arti- cles <u>3</u> /	Narrow fabric <u>4</u> /	Knit fabric	Floor cover- ing	Other manu- fac tures <u>5</u> /	Total	Grand total imports <u>6</u> /
									1,000 pc	ounds							
1983 1984 1985 1986	4,907 4,689 2,057 3,424	15,379	38,976 46,265 45,541 64,540	5,719 9,670	1,273 466 915 2,676	154,947 186,198	227,465 268,057	241,296 270,573 341,372 431,179		463	6,376 8,962 9,133 7,850	12,699 12,441 18,449 25,308	2,196 3,043 9,700 12,496	34,116 43,012	342,110	886,994 1,115,104 1,222,970 1,396,808	1,491,026
1987 Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sept. Oct. Nov. Dec. Total	395 287 290 692 612 1,053 614 268 738 430 244 170 5,793	971 1,034 1,319 1,208 1,382 1,227 1,052 1,064 1,342 1,060 1,157 991 13,727	4,233 5,576 4,715 5,778 6,108 6,423 6,235 5,383 4,751 5,752 4,315 4,247 63,516	676 752 705 703 936 829 574 862 767 667 531	434 209 274 301 437 652 681 467 362 582 463 737 5,599	13,979 14,075 14,533 15,746 17,678 16,808 17,540 17,480 12,264 14,483 13,314 14,615 182,515		34,182 31,175 37,820 47,374 53,955 62,096 54,509 45,886 40,598 24,703	51,62 52,37 44,29 44,29 50,62 54,54 49,37 39,52 42,05 34,82 41,22 547,86	77       56       9     22       9     26       1     48       6     61       1     56       2     34       5     13       7     38       3     5	281 338 411 687 917 986 1,136 1,034 971 777 589 558 8,685	898 1,035 1,370 1,456 1,330 1,359 1,446 1,438 1,092 1,256 965 991 14,636	1,125 1,472 1,263 991 959 657	3,221 3,781 5,036 3,950 4,072 4,146 3,996 4,273 4,028 3,496 3,758 47,767	35,620 35,503 38,851 39,495 37,198 33,081 34,979 27,963 28,633	115,909 128,009 115,845 123,709 135,072 151,229 163,768 148,838 125,253 124,528 93,835 99,447 1,525,442	136,769 149,867 137,727 148,139 161,993 178,328 190,718 174,074 145,572 147,602 113,995 120,658 1,805,442
1988 Jan. Føb. Mar. Apr. May Jun.	279 296 362 546 243 190	1,379 884 1,003 912 1,123 839	4,330 3,213 3,319 3,114 3,858 4,161	890 550 597 675	995 1,087 1,067 1,068 969 788	14,626 12,492 14,929 15,871 16,535 17,950	22,220 18,861 21,231 22,108 23,403 24,728	26,865 23,633 25,709 38,502	53,85 49,17 40,96 37,62 44,73 52,65	7 57 2 55 7 31 9 53	639 693 637 724 926 986	1,034 1,105 996 1,414 1,328 1,268	497 771 1,774 952	3,492 3,858 4,383 4,208 5,014 4,373	33,900 32,811 29,621 33,850	19,761   16,152  04,248  01,109  25,365  46,588	141,980 135,014 125,478 123,216 148,767 171,315

1/ Not included in these data are quantities of imported textured non-cellulosic yarn not over 20 turns per inch. 2/ includes gloves, hosiery, underwear, outerwear, and hats. 3/ includes veils and veilings, nets and nettings, lace window curtains, edging, insertings, flouncings, allovers, etc., embroderies, and ornamented wearing apparel. 4/ includes braids (except hat braids), fabrics with fast edges not over 12 inches wide, garters, suspenders, braces, tubing, cords, tassels, gill nets, webs, seines, and other nets for fishing. 5/ Not elsewhere classified. 6/ Includes quantities in the TSUSA 706 luggage categories. The raw fiber equivalent quantity for January-December 1983 was 180,553 thousand pounds; January-December 1984, 228,002 thousand pounds; January-December 1985, 157,422 thousand pounds; and January-December 1986, 169,369 thousand pounds.

Source: Bureau of the Census. ,

	Tops, yarn, thread, and woven fabric						Primarily manufactured products									
Year and month	Sliver tops, and roving <u>1</u> /	Yarns spun	Sewing thread and handwork yarns	Tire cord and tire cord fabric	Broad- woven fabric 2/	Total	Hoslery	Under- wear and night- wear	Outer wear	House furnish- ings	Knit or crocheted fabric	Narrow fabric <u>3</u> /	Floor cover- ing	Other manu- fac- tures <u>4</u> /	Total	Grand total exports
								1,000	pounds							
1983 1984 1985 1986	4,528 5,681 8,543 4,632	25,682 26,228 37,748 38,228	6,419 4,773	31,329 30,350	108,661 109,400 124,873 134,581	167,19 179,05 206,29 228,77	B 2,244 D 2,515	12,045 11,387 9,354 12,151	55,902 65,814 53,356 59,744	10,701 1,041 9,884 8,745	12,865	25,722 30,331 21,875 37,949	114,539 91,729 60,407 78,072	57,482 83,400 73,632 79,141	293,523 308,813 242,861 290,534	460,713 487,870 449,152 519,307
1987 Jan. Feb. Mar. Apr. <b>May</b> Jun. Jul. Aug. Sept. Oct. Nov. Dec. Total	292 507 329 281 395 405 426 323 710 472 362 362 5,191	2,230 2,518 3,475 3,729 4,168 3,277 3,102 2,943 3,533 3,986 5,379 4,395 42,737	601 455 488 1,044 455 276 527 527 410 431 383 494	3,814 4,162 4,479 5,729 4,580 4,102 3,697 5,160 4,908 3,132 4,372	8,118 12,174 13,581 15,245 12,756 14,732 9,309 13,518 13,786 12,803 13,365 13,365 13,266	16,66 19,61 22,00 24,22 23,45 17,21 21,00 23,59 22,60 22,62 23,21 260,30	3         220           2         190           1         217           2         313           0         314           5         274           7         379           9         325           3         375           0         306           7         314	839 1,053 1,110 1,152 1,373 1,189 1,156 1,236 1,428 1,192 1,143 830 13,701	4,817 5,504 5,775 6,409 5,145 5,356 4,726 5,505 5,899 5,809 5,304 65,424	890 862 1,161 1,031 904 823 1,196	809 830 884 856 1,166 1,179 1,031 963 836 1,050 1,012 991 11,607	2,938 3,253 4,390 3,921 4,151 3,462 3,077 4,333 3,938 3,974 4,242 3,968 45,647	5,277 6,189 8,701 9,406 7,149 8,912 6,204 7,001 7,974 7,152 7,814 8,612 90,391	5,978 7,434 7,694 7,302 8,558 7,716 7,140 7,576 7,864 8,170 8,350 7,003 90,785	21,345 25,419 29,977 28,606 28,781 25,399 27,245 28,636 30,041 27,877 331,560	38,013 45,034 51,200 52,697 52,228 42,614 48,253 52,373 51,237 51,094 591,868
1988 <sup>5</sup> Jan. Feb. Mar. Apr. May Jun.	575 1,300 1,182 1,077 933 1,201	3,502 3,281 4,565 3,503 3,400 4,199	451 576 576 546 341	5,178 4,989 4,266 3,831	12,541 12,813 16,560 14,972 13,483 12,891	20,07 23,02 27,87 24,36 22,08 23,09	5 345 I 370 4 374 8 317	1,323 1,298 1,235	4,950 5,227 6,594 5,938 6,226 5,557	835 1,104 902	948 1,060 1,270 1,282 1,465 992	3,964 4,158 5,605 4,922 6,595 5,545	6,924 8,498 12,026 11,936 12,808 11,105	6,788 8,496 8,673 8,818 9,517 8,147	25,831 29,806 36,967 35,469 39,400 33,749	45,901 52,830 64,837 59,834 61,488 56,847

Table 37.--Raw manmade fiber equivalent of U.S. textile exports, 1983-88

1/ includes products made from waste. 2/ includes pile and tufted fabric such as corduroy. 3/ includes ribbons, trimmings, and braids (except hat braids). 4/ Not elsewhere classified. 5/ Some categories revised.

Year and month	Ndils	Wastes <u>2</u> /	Tops and advanced wool	Yarns	Broad- woven fabric <u>3</u> /	Wool blankets <u>4</u> /	<u>Wearing</u> Knit	apparel Other than knit <u>5</u> /	Other manufac- tures	Carpets and rugs	Knit fabric	Narrow fabrics	Grand total imports
							1,000 p	ounds					
1983 1984 1985 1986	12,200 13,960 10,065 9,898	5,706 6,127 4,509 5,205	3,244 2,012	7,623 13,223 12,072 11,814	28,130 39,068 35,828 25,058	643  ,217  ,314 2,373	30,279 40,030 65,586 80,193	28,526 40,901 71,527 75,375	,047  ,340  ,288  ,829	34,829 51,055 59,228 60,572	6/ 6/ 415 606	6/ <u>6</u> / 978 862	149,781 210,165 264,822 275,623
1987 Jan. Feb. Mar. Apr. Jun. Jun. Jun. Jun. Sept. Oct. Noc. Total	794 902 516 747 918 1,309 1,309 801 1,243 1,323 849 659 11,370	346 453 395 813 476 735 724 625 361 632 568 298 6,417	129 140 102 136 66 80 43 56 72	747 1,228 1,116 1,369 1,685 1,258 1,683 856 857 863 954 991 13,607	I,933 2,626 3,011 3,298 3,723 3,050 2,863 I,991 I,445 I,652 I,512 I,898 29,002	19 28 113 126 186 177	3, 121 2, 565 2, 601 4, 363 7, 159 13, 521 13, 134 9, 814 8, 374 1, 958 81, 621	5,249 4,518 4,355 4,750 6,751 8,024 10,453 10,309 7,715 6,341 4,312 4,490 77,267	73 77 104 110 148 116 135 139 127 129 156 162 1,476	4,185 4,411 5,400 4,284 4,549 4,568 4,143 3,680 3,642 4,852 3,826 4,318 51,858	56 45 69 100 117 111 103 44 13 14 46 732	44 56 41 47 50 40 41 45 531	16,683 17,042 17,824 20,033 25,725 30,793 35,133 31,803 25,524 24,431 16,046 15,055 276,092
1988 Jan. Feb. Mar. Apr. May Jun.	1,047 478 643 306 241 487	422 309 519 760 414 600	7 60 24 43 58	846 842 1,228 1,017 1,239 1,118	2,019 2,123 3,507 3,296 3,052 3,180	64 63 60 49 21	2,557 1,880 1,722 2,565 5,303 8,782	4,936 4,754 3,884 4,088 5,847 7,960	35   06 208   43   38   33	3,911 3,480 3,921 3,580 3,406 3,696	35 68 34 58 41 69	27 38 54 46 48 47	16,006 14,201 15,804 15,951 19,808 26,267

Table 38.--Raw wool equivalent of U.S. textile imports, 1983-88 1/

1/ Includes manufactures of mohair, alpaca, and other wool-like specialty hair. 2/ Not including rags. 3/ Includes pile fabric and manufactures, tapestry and upholstery goods, press and billiard cloths. 4/ Includes carriage and automobile robes, steamer rugs, etc. 5/ Includes laces, lace articles, veils and veilings, nets and nettings, when reported in pounds. 6/ Included in "Other Manufactures" for earlier years.

Year and month	Noils and wastes <u>2</u> /	Tops and advanced wool	Yarns	Broad- woven fabric <u>3</u> /	Wool blankets	Wearing Knit	apparel Other than knit	Felts	Other manufac- tures <u>4</u> /	Carpets and rugs	Knit fabric	Grand total exports
			. <u></u>			i,000 p	ounds					
1983	1,860	3,770	250	1,073	29	2,110	865	297	953	140	232	11,579
1984	2,540	2,458	416	1,124	40	1,739	1,139	313	1,613	129	517	12,028
1985	1,892	8,643	460	1,446	30	2,158	1,661	173	988	107	200	17,761
1986 <u>1</u> /	I,863	5,788	466	2,150	36	1,910	1,863	101	1,537	157	159	16,030
1987												
Jan.	142	664	37	111	2	111	43	1	98	8	5	1,222
Feb.	134	902	54	281	1	93	36	2	117	4	16	1,604
Mar.	176	833	43	165	1	77	128	13	147	12	3	1,598
Apr.	215	843	69	166	2	129	105	16	178	18	0	1,741
May	92	1,162	49	188	5	123	174	17	164	21	1	1,996
Jun.	93	1,274	29	179	3	192	111	6	111	4	26	2,028
Jul.	186	1,187	10	167	4	115	158	4	132	6	1	1,970
Aug.	61	1,570	21	216	3	275	176	0	116	3	3	2,444
Sept.	406	572	15	243	1	148	151	12	114	10	29	1,701
Oct.	141	861	31	197	4	415	197	5	178	19	62	2,110
Nov.	300	1,249	78	155	· • •	424	196	16	201	12	6	2,638
Dec.	194	1,141	53	138	4	472	163	4	168	21	15	2,373
Total	2,140	12,258	489	2 <b>,206</b>	31	2,574	1,638	96	1,724	138	167	23,461
1988 5/												
Jan.	173	767	28	100	2	550	201	1	131	13	5	1,971
Feb.	187	829	12	214	2	322	214	Å	166	18	18	1,986
Mar.	206	1,227	21	228	5	406	337	11	234	17	21	2,713
Apr.	245	860	42	180	2	214	251	4	164	29	21	2,012
May	344	934	18	315	3	288	251	66	146	15	15	2,395
Jun.	210	1,562	36	142	I	288	175	69	308	11	19	2,821

Table 39.--Raw wool equivalent of U.S. textile exports, 1983-88 1/

1/ Includes manufactures of mohair, alpaca, and other wool-like speciality hair. 2/ Not including rags. 3/ Includes both broad and narrow woven fabrics. 4/ Census Bureau's Schedule B classification designated manufactures, n.e.c. 5/ Some categories revised.

Source: Bureau of the Census.

Year	Vana	Cordage,	Broad-	K- 14	Narrow	Wearin	g apparel		Bedding,		<b>F</b> 1		Grand
and month	Yarn	thread, crochet, etc. yarns	woven fabric	Knit fabric	and misc. fabric	Knit	Not knit	Handker- chiefs	drapes, and towels	Lace articles	Floor covering	Nisc. products	total Imports
						1.00	0 pounds						
1986 1987	18,596	196,761	255,231	50	2,098	51,150	21,187	51	4,359	305	8,786	30,179	589,113
Jan.	824	34,653	24,273	11	142	7,824	3,199	1	212	6	938	2,684	74,767
Feb.	1,891	15,536	25,473	7	138	5,186	3,336	2	250	7	1,044	3,761	56,631
Mar.	1,735	29,136	24,005	3	157	3,338	2,984	2	271	9	885	3,524	66,049
Apr.	1,295	20,086	25,790	i i	61	4,890	2,008	2	368	10	881	3,700	59,092
May	2,221	30,003	34,046	7	276	7,484	1,239	ī	440	7	955	4,179	80,858
Jun.	2,152	23,649	12,814	11	186	8,286	988	i i	230	22	942	3,407	52,688
Jul.	1,632	6,507	15,272	18	781	9,150	941	i i	418	32	973	3,007	38,732
Aug.	1,593	15,929	11,146	9	992	10,293	1,421	2	493	11	941	4,768	47,598
Sept.	1,874	4,757	18,658	74	976	7,429	1,311	2	552	40	690	5,053	41,416
Oct.	2,106	5,162	23,894	14	745	6,666	1,272	ī	446	13	834	5,239	46,962
Nov.	1,901	6,911	30,400	2	256	4,430	1,661	3	284	10	648	3,922	50,428
Dec.	1,744	12,693	21,310	15	433	4,460	3,386	2	226	8	668	3,928	48,873
Total	20,968	205,022	267,081	172	5,143	79,436	23,746	20	4,190	175	10,399	47,172	663,524
1968													
jan.	1,719	18,520	15,647	32	371	3,808	5,397	I I	201	9	545	3,872	50,122
Feb.	2,817	26,305	29,379	4	217	2,570	3,816	1	342	8	397	3,788	69,644
Mar.	2,022	56,636	18,737	2	354	1,583	2,640	2	241	18	781	5,032	88,048 48,800
Apr.	1,874	19,601	18,630	0	857	1,661	1,221	1	392	16	1,087	3,460	48,800
May	1,944	23, 332	8,813	2	112	2,983	1,057	2	262	33	1,793	3,068	43,421 40,274
Jun.	1,487	14,147	12,696	4	225	5,124	748	1 I	443	12	1,151	4,236	40,274

Table 40.--Raw fiber equivalent of U.S. imports for consumption of vegetable fibers other than cotton textile manufactures, 1986-88

Table 41.--Raw fiber equivalent of U.S. imports for consumption of silk textile manufactures, 1986-88

Year		Cordage,	Broad-		Narrow	Wearin	g apparel		Bedding,				Grand
and month	Yarn	thread, crochet, etc. yarns	woven fabric	Knit fabric	and misc. fabric	Knit	Not knit	Handker- chiefs	drapes, and towets	Lace articies	Floor covering	Misc. products	total imports
						1,00	0 pounds						
986	550	53	10,015	2	70	14,804	15,090	382	162	61	37	1,830	43,056
987			705	•						2	•		2 000
an.	46	ļ	725	ò	6	559	1,420	4	8	2	3	116	2,890
eb.	39	2	749	1	3	320	1,472	.0	.6	2	2	108	2,712
ar.	39 63 54 40 68 53 53 59 54 34 42	2	862	ů,	8	390	1,661	6 17 11	14	4	2	38 55 56	3,060
pr.	54	!	735	Ū,	2	519	1,412		12	2	2	22	2,808
ay	40	Q	789	1	2	813	1,131		14	· 1	2	26	2,864
นก.	68	6	871	<u>o</u>	1	795	1,195	14	17	,	6	64	3,046
u1.	53	2	932	o	6	812	1,290	Ц	6	10 35	4	87	3,213
ug.	53	!	964	0	10	1,229	1,293	8	<u> </u>	35	6	106	3,712
ept.	59	3	839	1	7	1,247	1,322	15	/	10	4	52	3,566
ct.	54		959	0	14	1,478	1,704	21	9	18	4	63	4,325
٥٧.	34	4	929	2	14	878	1,788	16	16 6	4	2	45	3,732
ec.		1	821	0	7	553	1,719	19	6	4	3	23	3,198
otal	605	25	10,175	5	90	9,593	17,407	153	122	95	43	813	39,126
988													
an.	48	1	660	0	6	658	2,148	14	17	6	8	20	3,586
eb.	87 59	1	868	0	14 25	488	2,148	- 11	4	3	1	35 74	3,660
ar.	59	1	718	0	25	402	1,539	12	13	3	2	74	2,848
pr.	64	3	731	0	6	286	1,671	12	3	30	1	24	2,831
ay	53	Ō	669	Ó	6 8	375	1,531	8	15	18	0	37	2,714
lun.	150	2	764	õ	4	481	1,793	13	11	30 18 23	Ī	47	3,289

Source: Bureau of the Census.

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