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United States  
Department of  
Agriculture

Economic  
Research  
Service

CWS-66  
November 1991

# Cotton and Wool

## Situation and Outlook Report

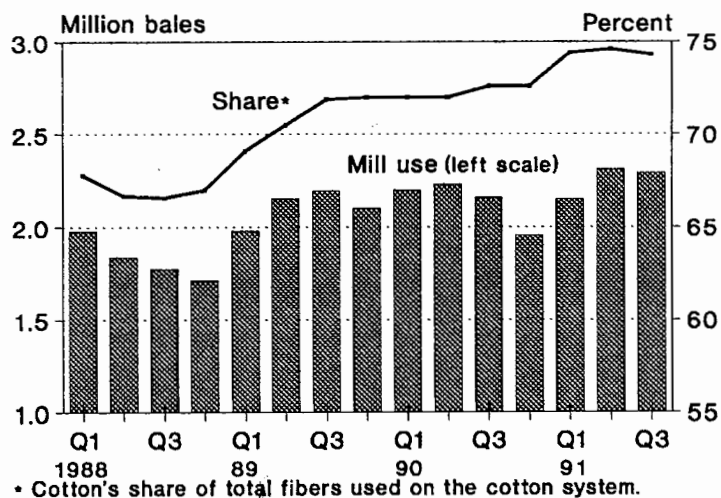
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Cotton Share and Consumption  
Continue at High Levels



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Approved by the World Agricultural Outlook Board. Summary released November 21, 1991. The next summary of the *Cotton and Wool Situation and Outlook* report is scheduled for release February 25, 1992. Summaries and full text of Situation and Outlook reports may be accessed electronically. For details, call (202) 720-5505.

The *Cotton and Wool Situation and Outlook* is published three times a year and is supplemented by a yearbook. Subscriptions are available from ERS-NASS, P.O. Box 1608,

Rockville, Maryland 20849-1608. Or call, toll free, 1-800-999-6779 (weekdays, 8:30-5:00 ET). Rates: 1 year, \$12; 2 years, \$23; 3 years, \$33. Add 25 percent for subscriptions mailed outside the United States. Make checks payable to ERS-NASS. Single copies are available for \$8.00 each.

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## Summary

Based on November 1 conditions, 1991 U.S. cotton production is expected to total 18.2 million bales, 17.5 percent above last season and the second largest on record. Upland production is forecast at 17.8 million bales, and extra-long staple at 434,100 bales. Larger planted area, combined with lower than average abandonment and the second highest expected national-average yield on record (649 pounds per harvested acre), account for the increased production.

U.S. mills used nearly 8.7 million bales of cotton in 1990/91, down only 1 percent from the previous season, and the second highest level in over two decades. This season cotton consumption is projected to total 9.1 million bales. Higher consumption rates reflect larger supplies, weaker cotton prices, and larger cotton textile exports.

U.S. cotton exports in 1991/92 are forecast at 7.2 million bales, down almost 600,000 from last season. Larger foreign production is likely to lead to lower U.S. exports and trade shares in 1991/92. The U.S. is projected to capture a 30 percent share of world trade this season, down 3 percentage points from 1990/91.

Through the first 3 months of 1991/92, cotton prices on the Northern European market continued to decline as prospects for a record world crop and the rebuilding of stocks pressured prices. In October, the A-Index averaged 67.6 cents per pound and the B-Index averaged 64.6 cents, almost 14 cents below a year earlier. Similarly the adjusted world price (AWP) declined from 59 cents per pound in early August to 47 cents by mid-November. The AWP in effect during the week of November 1-7 dropped below the loan rate (50.77 cents for base quality) for the first time since March 1989.

Based on estimates of production, mill use, and exports, ending stocks for 1991/92 are projected at 4.4 million bales--2.1 million above the beginning level. The 1991/92 ending stocks-to-use ratio is projected to rise to 27 percent, almost reaching the 30 percent targeted in the 1990 farm bill. By October 31, 466,000 bales of 1991-crop cotton had been placed under loan, compared with 363,400 bales of 1990-crop cotton at this time last season.

World cotton production in 1991/92 is forecast at a record 91.6 million bales, up 5.3 percent from last season. Foreign production is projected up a more modest 2.7 percent to 73.4 million. Foreign cotton area is estimated at 71 million acres, up 1.6 percent and yields are expected to reach 496 pounds per acre, up 1.1 percent and tying the 1984/85 season record. Production is estimated at 22 million bales in China; 10 million in India; and in Pakistan to a record 7.8 million. In the Soviet Union, 1991/92 cotton production is expected to fall 8 percent to 11 million bales.

Foreign cotton consumption in 1991/92 is expected to reach a record 78.6 million bales--up 1.8 million from last season. Consumption is expected to rise in China, India, and Pakistan, but fall in the Soviet Union. Foreign consumption gains continue to be concentrated among net exporting countries, however, after 3 seasons of decline, consumption among net importers is likely to stabilize.

Foreign cotton exports in 1991/92 are projected to rise by 1.1 million bales to 16.7 million. Soviet exports are expected to total 3.3 million bales, up 1.3 million from last season. Foreign exports outside the Soviet Union are expected to fall 200,000 bales.

Foreign ending stocks in 1991/92 are expected to rise by 1.5 million bales to 27 million and the ending stocks-to-use ratio to increase to 34.4 percent from 33.2 last season. Ending stocks in the Soviet Union are expected to decline by 500,000 bales to 3 million, yet remain historically large.

The Secretary of Agriculture has announced some of the major provisions of the 1992 upland cotton program. A preliminary, 10-percent acreage reduction program (ARP) was announced on October 31. The final ARP requirement can differ from the preliminary announcement, if supply and demand conditions warrant. Since the final ARP must be announced by January 1, it will be based on USDA's December supply and use estimates.

Specifics for the 1992-crop program include a target price of 72.9 cents per pound, with a loan level of 52.35 cents for base quality upland cotton. The marketing loan program and the 3-step competitiveness provisions implemented for the 1991/92 marketing year will also be in effect next season.

Assuming that the final ARP announcement is near 10 percent, enrollment in the 1992/93 upland cotton program could slightly exceed this year's 84-percent participation rate. If weaker cotton prices persist through spring, larger enrollment with more acreage idled under the 10 percent ARP, and less acreage planted outside the program would result in lower acreage next season. Total U.S. cotton plantings would likely range between 12.5 and 14.5 million acres, and production is expected between 15.5 and 18.5 million bales.

Demand prospects for U.S. cotton should remain strong next season. Total cotton mill consumption in 1992/93 could range between 9.0 and 9.5 million bales, depending to a large extent on improvements in the general economy. U.S. cotton exports in 1992/93 will probably about match the current season's projected level. With only limited growth in world cotton trade expected, U.S. exports could range between 6.5 and 8.5 million bales. Based on estimated mill use and exports,

total offtake in 1992/93 would be between 15.5 and 18 million bales, close to anticipated production levels.

Domestic mill use of raw wool in 1991 is expected to be 150 million pounds, 13 percent above last year and the highest in almost 20 years. Third quarter 1991 mill consumption totaled almost 41 million pounds, 35 percent above a year earlier.

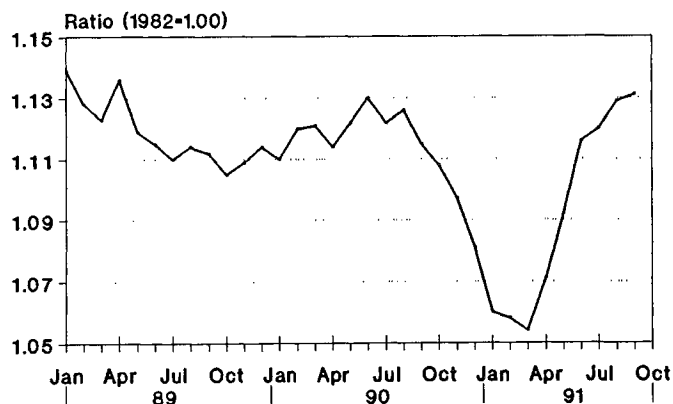
## Textiles and the Economy

As 1991 draws to a close, the U.S. economy remains sluggish. Real gross national product (GNP), the nation's output of goods and services, advanced 2.4 percent (\$24.2 billion) in third-quarter 1991. This increase is the first since the third quarter of 1990 when GNP advanced 1.4 percent. The GNP rise was attributable to a jump in personal consumption expenditures, particularly durable goods, and an increase in business inventories. Although climbing in third-quarter 1991, real GNP still lags a year ago by about 1 percent.

Just as the GNP expanded, the composite index of leading economic indicators increased 1.8 percent above second-quarter 1991. The latest monthly figures, however, indicate that the leading index has remained flat. Another economic barometer is the ratio of the coincident to lagging index. This ratio has continued to move upward since bottoming out in early 1991 and has recently moved to the highest level since April 1989 (figure 1).

Real disposable personal income inched up 0.5 percent in third-quarter 1991 from the previous quarter. This gain represents the third consecutive quarterly rise and is currently near third-quarter 1990. Personal savings--as a percentage of disposable personal income--has been declining this year. For September, the latest available data indicate a savings rate of 3.8 percent. This compares to 4.1 percent in second-quarter 1991 and 4.2 percent in the first.

Figure 1  
Coincident to Lagging  
Index Moves Higher



In third-quarter 1991, real personal consumption expenditures increased \$24.7 billion (0.9 percent) above the previous quarter. This gain is the largest advance since third-quarter 1989. Consumer expenditures on both durable and nondurable goods moved higher, rising \$9 and \$6.5 billion, respectively, above second-quarter 1991. Compared with a year ago, personal consumption expenditures have risen only \$8.5 billion.

In October 1991, U.S. industrial production was unchanged from a month earlier at 108.2 percent of the 1987 annual average. The index has climbed to its highest level since November 1990, but remains 1.5 percent below a year ago. Clothing and textile production both reported October figures similar to September levels. Based on a year ago, clothing production has risen 1.4 percent while textile output advanced 2.8 percent.

U.S. industries operated at 79.6 percent of capacity in October, down slightly from the previous month and 4.1 percent below October 1990. Utilization in the nondurable manufacturing industry followed similar patterns, with the textile mill and apparel products sectors each posting 1 percent gains over last year.

In October, the seasonally adjusted U.S. unemployment rate for all civilian workers rose to 6.8 percent, up from 6.7 percent in September. The October rate equaled the average for the preceding 7 months. While the overall unemployment rate increased, the textile mill products sector remained at 4.4 percent, matching the lowest figure since April 1989. Unemployment in the apparel products sector, however, fell 2.1 percent to 10.3 percent.

The trade balance for the first 9 months of 1991 continues to show improvement. Compared with 1990, the January-September trade balance improved \$26.7 billion, or 35.1 percent, pushing the trade deficit down to \$49.3 billion. U.S. merchandise exports rose to a seasonally adjusted \$312.7 billion through September, amounting to a 7.2-percent increase over the first 9 months of 1990. During the same period, imports declined 1.6 percent to \$362.0 billion. A surplus of \$10.8 billion in agricultural commodities continues to help lower the overall trade deficit.

During the first 3 quarters of 1991, U.S. imports (square-meter-equivalent basis) of textiles and apparel made of cotton, wool, manmade fiber, silk blends, and noncotton vegetable fibers inched up 0.1 percent from a year earlier. This increase represents a 2.2 percent jump in textile mill product imports and a 2.1 percent fall in apparel imports. For the first 9 months of 1991, volume imports of cotton rose 3.6 percent above a year earlier, while wool and manmade fiber imports declined 2.4 and 3.1 percent, respectively. By value, these imports declined. Cotton decreased 0.2 percent; wool, 5.3 percent; and manmade fibers, 2.2 percent.

# U.S. Cotton Situation and Outlook

## Upland Cotton Situation

### Lower Abandonment; Higher Yields Expected

Based on November 1 conditions, 1991 upland cotton production is estimated at 17.8 million bales--2.6 million (17 percent) above last season's crop and the second largest on record. The national-average upland cotton yield is forecast at 645 pounds per harvested acre, up 13 pounds from last season, and the second highest on record. Weather problems early last spring resulted in later-than-usual planting in several areas of the Cotton Belt. Despite the delays, crop conditions generally improved throughout the season, increasing expected yields and production (figure 2). Based on past differences between the November estimate and final production, chances are 2 out of 3 that 1991 upland production will range between 17.1 and 18.4 million bales.

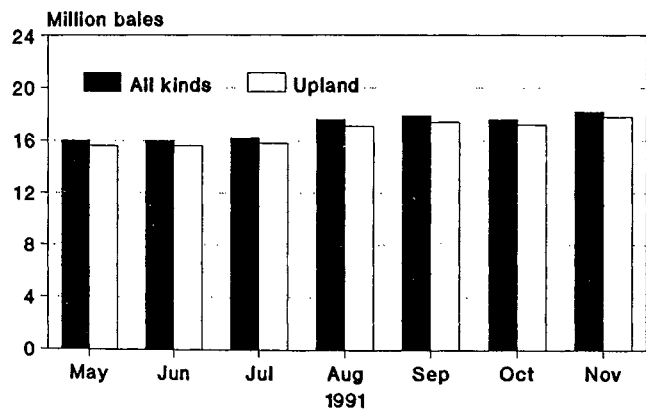
Upland production in the Delta States is forecast at nearly 6.1 million bales, 23.7 percent above last season's crop and the

first time since 1948 that the region totaled over 6 million bales (table A). Louisiana's production is expected to reach a record 1.35 million bales due to adequate moisture, light insect pressure, and hot weather during the growing season.

In the Western States, upland production is expected to total 3.35 million bales, down 8 percent from last season. Yields are expected to average 1,189 pounds, 26 pounds above last season. While weather encouraged cotton development during October, reduced water availability lowered planted and harvested acreage by 10 percent.

The forecast for the Southeastern States places production at 2.13 million bales, a 79-percent increase from last season and the largest production since the mid-1960's. In the Southwest, production is projected at 6.12 million bales, 14 percent above last year and the largest crop since 1949. While weather during October was beneficial for cotton development in Texas, freezing temperatures in early November ended the growing season. As a result, by mid-November, 46 percent of the expected crop was harvested, 4 percent above the 5-year average.

Figure 2  
1991 Upland Cotton Production  
Estimates Rise During Season



U.S. planted acreage in 1991 is estimated at 13.9 million acres, about 1.7 million more than the previous year and the largest since 1981. Strong participation in the upland cotton program and the smaller acreage reduction (5 percent compared with 12.5 percent in 1990) account for most of the increase. Harvested area is up 15 percent to 13.2 million acres, reflecting a national abandonment rate of 4.5 percent. In the Southwest, abandonment is projected at 7.5 percent, compared with nearly 9 percent last season and 13 percent for the previous five-year average.

### Higher Mill Use Projected

Upland cotton mill use last season totaled 8.6 million bales, down only 1 percent from the previous season, and the second highest level in over two decades. On November 5, 1991, the Department of Commerce released its revised sec-

Table A--Estimated 1991 and actual 1990 upland cotton acreage, yield, and production 1/

Region	Planted	Harvested	Yield	Production
	---1,000 acres---		Lbs./acre	1,000 bales
Southeast 2/:				
1990	1,133	1,123	531	1,242
1991	1,598	1,582	677	2,230
Delta 3/:				
1990	3,583	3,510	672	4,917
1991	3,930	3,880	752	6,080
Southwest 4/:				
1990	5,882	5,371	478	5,348
1991	6,942	6,422	458	6,121
West 5/:				
1990	1,519	1,500	1,163	3,634
1991	1,385	1,352	1,189	3,350
Total:				
1990	12,117	11,505	632	15,141
1991	13,855	13,235	645	17,781

1/ Based on November 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.

ond-quarter and preliminary third-quarter consumption and stocks data. U.S. mills consumed 2.29 million 480-lb bales of upland cotton during the second quarter of 1990 and 2.27 million in the third quarter. Third quarter consumption was almost 6 percent above the same quarter of the previous season. Domestic mills used 2.15 million bales in the third quarter of 1990. The seasonally adjusted annual rate for the last two quarters averaged slightly above 9.1 million bales.

Mill use of upland cotton in 1991/92 is projected to rise 5 percent above last season's high level due to larger supplies, weaker cotton prices, and expanding cotton textile exports. Recent strong consumption rates have been associated with rebuilding textile inventories and good sales of denims, active wear, and yarns. The 1991/92 forecast of upland cotton mill use is 9.03 million bales. Consumption estimates for August and September indicate current usage rates are consistent with this forecast (figure 3).

Cotton's share of fibers used on the cotton system in the July-September period was 74.3 percent, compared with 74.6 percent in the second quarter and 72.6 percent a year earlier (figure 4). Cotton's share has increased substantially since the 1988/89 season. However, its share may be leveling off between 74 and 75 percent of total fibers consumed. Recent price weakness might also support both share and mill use. Mill delivered prices of strict-low-middling 1-1/16 inch cotton have declined from 94 cents per pound (\$1.04 on a raw-fiber-equivalent basis) in May to 68 cents in October. Prices of polyester, on a raw-fiber-equivalent basis, have remained stable at 75 cents per pound since last April (figure 5). The cotton/polyester price ratio was 1.0 in October, the lowest since April 1990. In October, cotton was in its most competitive price position since January 1990.

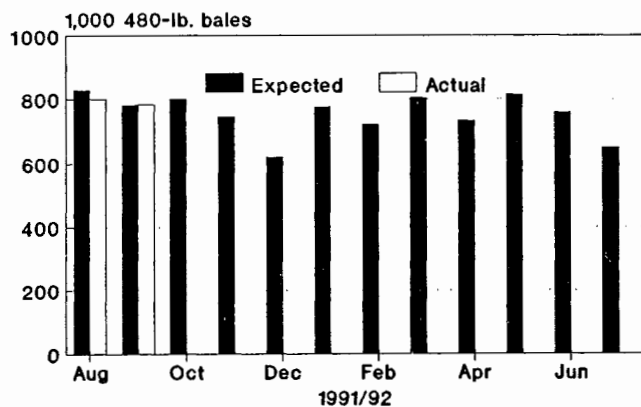
During the first 8 months of 1991, U.S. imports of foreign cotton textiles totaled 3.43 million 480-lb.-bale equivalents. To-

tal imports are likely to reach 5 million bale-equivalents in 1991, about the same level as the past few years. U.S. textile exports were 1.02 million bale-equivalents through August 1991. Annual exports are expected to reach 1.5 million bale-equivalents, compared with 1.4 million in 1990. Despite stronger exports, the cotton textile trade deficit will likely remain near 3.5 million bales, about the same deficit as the past two years. Cotton textile imports may comprise nearly 40 percent of domestic consumption this season. However, domestic mill use is expected to increase this season despite continuing high levels of cotton textile imports.

### Upland Cotton Exports To Decline

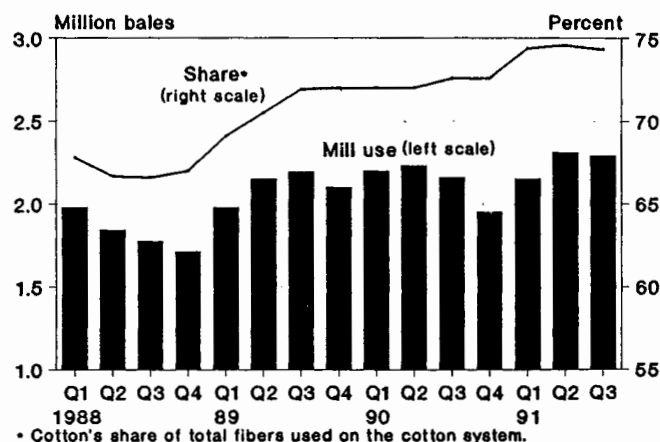
U.S. upland cotton exports are projected at 6.9 million bales in 1991/92, down 500,000 (7 percent) from last season's 7.4 million. Increased foreign competition is expected to limit U.S. upland export potential this season. However, recent sales to several Pacific-Rim textile producing countries have pushed upland export commitments to 4.7 million bales by mid-November, only 300,000 below last season (figure 6).

Figure 3  
Upland Mill Use On Target for 9.03-Million-Bale Season



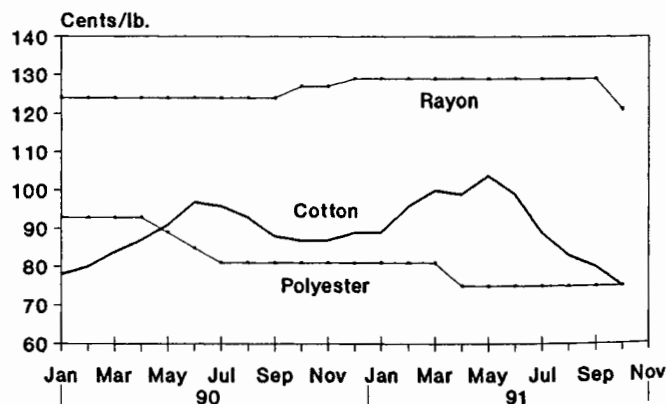
Based on USDA's November forecast and estimates of Census data.

Figure 4  
Cotton Share and Consumption Continue at High Levels



• Cotton's share of total fibers used on the cotton system.

Figure 5  
Cotton Prices Fall To Polyester's Level



Raw-fiber-equivalent basis.

The pace of upland cotton export shipments has been significantly below the expected seasonal rates. Shipments for the August-October period totaled only 555,000 bales. Based on past seasonal shipment patterns, about 1.1 million bales would be consistent with an export forecast of 6.9 million bales (figure 7). However, tight carryin stocks and the lateness of the 1991 crop likely account for the lag in cotton shipments. As the 1991 crop becomes available, the export pace is expected to quicken.

Increased foreign competition will likely result in lower U.S. exports and reduced trade shares in several major markets in 1991/92. U.S. market shares are expected to decline in Korea, Taiwan, Italy, Germany, and Portugal. Overall, the U.S. will likely capture a 30 percent share of world trade, down 3 percentage points from last year (table B). During the past two seasons, China has been a net importer of cotton and will likely continue. In 1991/92, China is expected to import 1.6

Figure 6  
1991/92 Upland Commitments  
Lag Last Season's

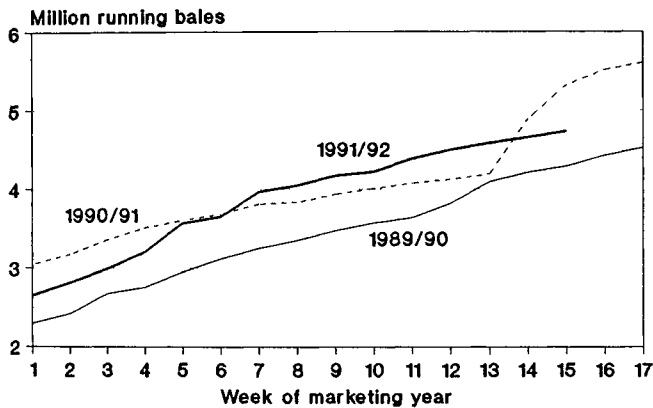
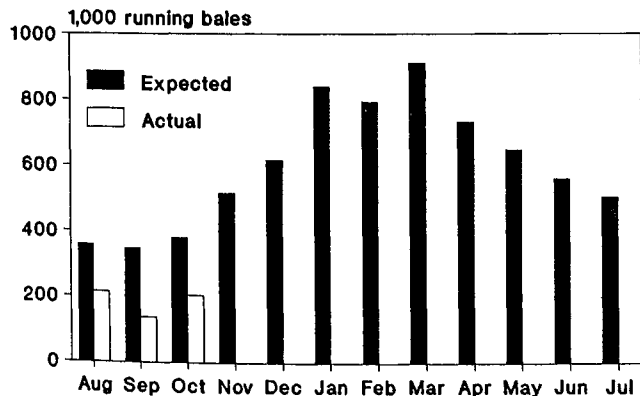


Figure 7  
1991/92 U.S. Upland Export Pace  
Well Below Forecast for Season



Based on USDA's November 1991 forecast.

million bales and the U.S. will likely capture about a 63 percent share.

### Cotton Prices Weaken

World and U.S. cotton prices have continued to decline this season, as prospects for a record world crop and general economic malaise support a long-term bearish trend. In October, the A and B-Indexes averaged 67.6 cents and 64.6 cents per pound, respectively, almost 14 cents below a year earlier. By mid-November, the A-Index dropped below 63 cents. The U.S. average spot declined this season from 69 cents per pound to 55 cents by mid-November. Similarly the adjusted world price declined from 59 cents per pound to 47 cents between August and November. The adjusted world price in effect during the week of November 1-7 dropped below the loan rate (50.77 cents) for the first time since March 1989 (table C).

Total U.S. carryover of upland cotton is expected to increase to 4.3 million bales by the end of the 1991/92 marketing year. Lower cotton prices have resulted in producers placing 466,000 bales of 1991-crop cotton under loan, compared with 363,400 bales a year earlier (table D). Most loan entries have

Table B--U.S. cotton export shares to selected countries

Country	1987/88	1988/89	1989/90	1990/91	1991/92 1/
Percent					
Japan	46	40	50	49	49
Korea	74	61	67	60	58
Taiwan	26	14	25	33	30
Hong Kong	7	8	20	26	26
Italy	29	16	29	30	22
France	9	1	3	2	5
Germany	39	24	36	22	10
Portugal	7	3	6	8	4
Indonesia	33	28	39	36	36
Thailand	28	14	31	23	27
China	0	69	36	56	63
World	28	24	32	33	30

1/ Based on estimates as of November 1991.

Table C--U.S. cotton prices, 1991

Month and day	Average spot market price 1/	Dec. futures price 1/	Adjusted world price 2/
Cents/lb			
Aug. 1	69.39	69.08	59.10
8	69.12	68.90	58.53
15	64.49	64.90	56.48
22	65.14	65.88	55.74
29	65.46	65.32	55.35
Sept. 5	65.36	66.67	54.96
12	62.48	64.54	54.01
19	61.35	65.74	53.21
26	59.46	64.90	53.21
Oct. 3	60.47	66.71	52.47
10	58.39	64.10	52.34
17	58.03	63.29	51.78
24	57.86	62.80	50.99
31	56.99	61.28	50.19
Nov. 7	55.19	59.21	48.79
14	54.98	59.52	47.22
21	55.45	58.25	44.07

1/ Spot and Dec. futures prices are for SLM 1-1/16-inch cotton, U.S. base quality. 2/ Adjusted world price is the Northern European price, adjusted to SLM 1-1/16-inch at average U.S. producing locations. Adjusted world prices are applicable for the week following the date shown.

Table D--Cotton loan statistics 1/

Region	Loans made			Loans repaid			Loans outstanding			Loans forfeited		
	1989	1990	1991	1989	1990	1991	1989	1990	1991	1989	1990	1991
	1,000 bales											
Southeast 2/	182.7	104.5	11.5	182.2	103.1	0.0	0.0	1.4	11.5	0.4	0.0	0.0
Delta 3/	1,571.8	1,306.2	447.6	1,571.4	1,305.0	83.5	0.0	1.0	364.1	0.5	0.2	0.0
Southwest 4/	890.1	981.6	6.7	889.4	964.9	0.7	0.0	16.7	6.0	0.6	0.0	0.0
West 5/	1,087.5	812.8	0.0	1,087.4	786.6	0.0	0.0	26.2	0.0	0.0	0.0	0.0
United States	3,732.0	3,205.1	465.8	3,730.5	3,159.5	84.2	0.0	45.3	381.6	1.6	0.2	0.0

1/ Producer and cooperative loans through October 31, 1991. 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.

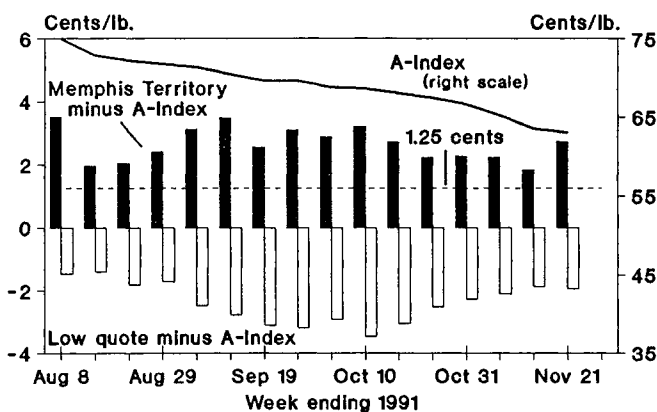
been in the Delta States. However, only 46,400 bales of old-crop cotton had not been redeemed as of October 31, 1991.

### U.S. Prices More Competitive with Foreign Growths

U.S. prices have been more competitive with foreign growths this season. The Memphis Territory (MT) quote for A-type cotton delivered on the Northern Europe Market has typically been either the fourth or fifth cheapest growth quoted through mid-November. Average weekly MT quotes have been above the average of the cheapest 5 growths of cotton quoted for delivery in Northern Europe (Northern Europe Price) all season and diverged from the lowest quoted foreign growth by 6.7 cents per pound in early October (figure 8). However, since then, MT prices have declined relative to the Northern Europe Price and the cheapest quoted foreign cotton. By mid-November, MT prices were 1.8 and 3.7 cents per pound above the Northern Europe price and the cheapest foreign growth, respectively.

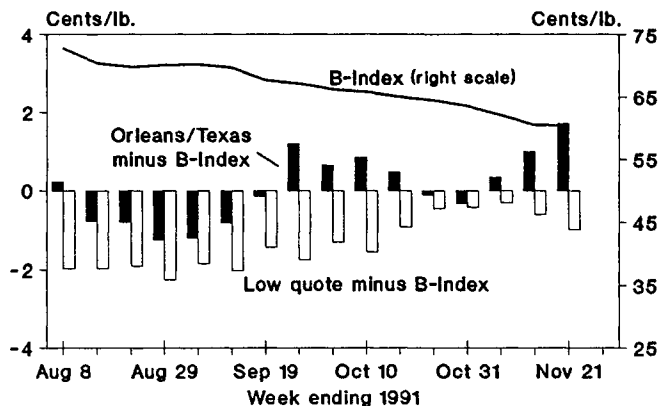
Price differentials between U.S. and foreign cotton have narrowed recently, in part, because of the User Marketing Certificate Program provisions of the 1990 farm bill (step 2 of the 3-step competitiveness procedures). This program requires the issuance of marketing certificates to domestic users and exporters on documented sales made during the week following a consecutive 4-week period in which the lowest priced

Figure 8  
Memphis Territory Prices  
Become More Competitive



Average quotes for 1991/92 season.

Figure 9  
Orleans/Texas Prices  
Remain In B-Index



Average quotes for 1991/92 season.

U.S. growth of cotton quoted for delivery in Northern Europe exceeds the Northern Europe price by more than 1.25 cents per pound. This provision was triggered on August 29 and has been in effect each week through mid-November.

For the 1991/92 marketing year, cash will be issued, upon the recipient's request, rather than marketing certificates when the provision is in effect. Payments for this provision have ranged between 2.23 and 0.98 cents per pound for eligible cotton between August and October. However, the payment rate in mid-November declined to 0.57 cents per pound as the gap between U.S. and foreign prices narrowed.

U.S. quotes for coarse-count cotton offered on the Northern Europe market, as indicated by Orleans/Texas (O/T) prices, have been included in the B-Index between August and mid-November. Average weekly O/T prices have exceeded the B-Index in only 7 of the first 16 weeks of the marketing year (figure 9).

### Outlook for 1992/93

#### Smaller Production Expected

The 1992/93 upland cotton marketing year is expected to begin with nearly 100 days of carryin stocks, compared with a 52-day supply at the start of 1991/92. Beginning inventory is



expected to increase to 4.3 million bales, up 2 million from the previous season. Thus, the extremely tight stock situation of the past two seasons is likely to be alleviated. Stocks are expected to increase further by the end of the 1992/93 marketing year.

### **Program Provisions Should Keep Supply/Use in Balance**

The Secretary of Agriculture has announced major provisions of the 1992 upland cotton program. The new program will not differ significantly from the current one. A preliminary 10 percent acreage reduction requirement was announced by the Secretary of Agriculture on October 31. The 1990 farm bill requires the upland cotton ARP be set at a level which would result in a ratio of projected stocks to disappearance of 30 percent. Disappearance is defined as total use of upland cotton, including all domestic, export, and residual stocks.

Based on USDA's October supply and use estimates, the 10 percent ARP level was consistent with this ratio. The final ARP requirement can differ from the preliminary announcement if supply and demand conditions warrant. Since the final ARP must be announced by January 1, it will be based on USDA's December's supply and use estimates.

Specifics for the 1992-crop program include a target price of 72.9 cents per pound, with a loan level of 52.35 cents for base quality upland cotton, Strict Low Middling (SLM) 1-1/16 inch, micronaire 3.5-3.6 and 4.3-4.9, strength 24-25 grams per tex. No paid land-diversion program will be implemented in the 1992-crop year. The marketing loan and 3-step competitiveness provisions implemented for the 1991 marketing year will be in effect next season.

Assuming the final ARP announcement is near 10 percent, enrollment in the 1992/93 upland cotton program could slightly exceed this year's 84 percent participation rate. If weaker cotton prices persist through spring, larger enrollment with more acreage idled under the 10 percent ARP, and less acreage planted outside the program would result in lower upland acreage next season. Planted acreage could range between 12 and 14 million acres. The 1992 crop could range between 15 and 18 million bales. If trend yields and normal abandonment are realized, the upland crop could exceed 16.5 million bales, more than 1 million below the projected 1991 crop.

### **Upland Offtake Expected To Improve**

Demand prospects for U.S. cotton should remain strong next season. Mill use may exceed recent historical high rates based on improved cotton supplies, competitive cotton prices, and continued consumer preference for cotton textiles and apparel. Total upland cotton mill consumption in 1992/93 will likely range between 9.0 and 9.5 million bales, depending on improvements in the general economy.

Exports of upland cotton in 1992/93 will about match the current season's projected level. With only limited growth in

world cotton trade expected, U.S. exports could range between 6 and 8 million bales. Based on estimated mill use and exports, total upland offtake in 1992/93 would range between 15.0 and 17.5 million bales, close to the anticipated production level.

## **ELS Cotton Situation**

### **Production Up, Total Use Down**

Extra-long staple (ELS) cotton production in 1991/92 is projected at 434,100 bales, up 21 percent from last season. The 75,600-bale increase in ELS outturn is attributable to both higher acreage and larger yields. Based on November 1 estimates, planted area, at 246,200 acres, was 15,000 acres higher than the 1990/91 season. The average yield is projected at 856 pounds per harvested acre, 98 pounds above last year. Although the average is rising, lower yields are expected in all ELS-producing States except Arizona, which is expected to return to more normal yields (table E).

Domestic mill consumption of ELS cotton for the first 2 months of the 1991/92 season was 11,829 bales. Mill use is running 12 percent above the 10,548 bales consumed for the corresponding period last season. The continued strong domestic demand for the fiber qualities of ELS cotton will likely push mill consumption above the 1990/91 level. Current estimates put ELS consumption at 70,000 bales for the 1991/92 season.

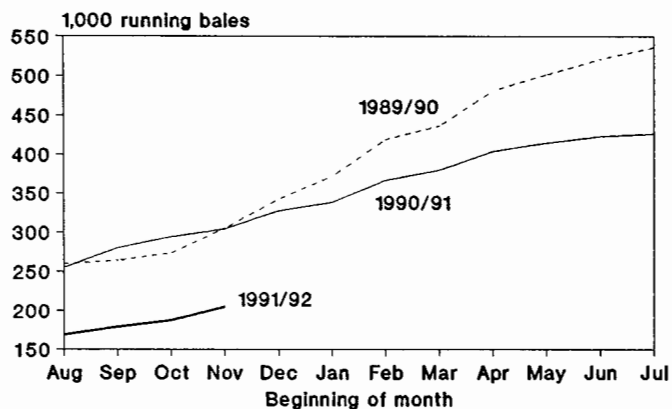
Exports of ELS cotton, on the other hand, are projected to decline this season due to increased competition from other major ELS-producing countries. Exports for August, September, and October were only 29,600 running bales, or roughly 35 percent of the 83,800 running bales exported during the first 3 months of the 1990/91 season. At the beginning of November, 1991/92 ELS export commitments (shipments plus outstanding sales) were also running behind last year's pace by nearly 100,000 bales (figure 10). Based

Table E--Estimated 1991 and actual 1990 ELS cotton acreage, yield, and production 1/

State	Planted -----1,000 acres-----	Harvested	Yield Lbs./acre	Production 1,000 bales
Arizona:				
1991	105.0	104.5	919	200.0
1990	125.0	124.0	751	194.0
Texas:				
1991	60.0	58.0	646	78.0
1990	60.0	57.0	682	81.0
New Mexico:				
1991	20.0	20.0	600	25.0
1990	19.3	19.3	609	24.5
California:				
1991	60.0	60.0	1,040	130.0
1990	25.7	25.5	1,080	57.4
Mississippi:				
1991	1.2	1.0	528	1.1
1990	1.3	1.3	591	1.6
Total:				
1991	246.2	243.5	856	434.1
1990	231.3	227.1	758	358.5

1/ Based on November Crop Production report.

Figure 10  
**ELS Export Commitments**  
**Well Below Last Two Seasons**



Shipments plus outstanding sales.

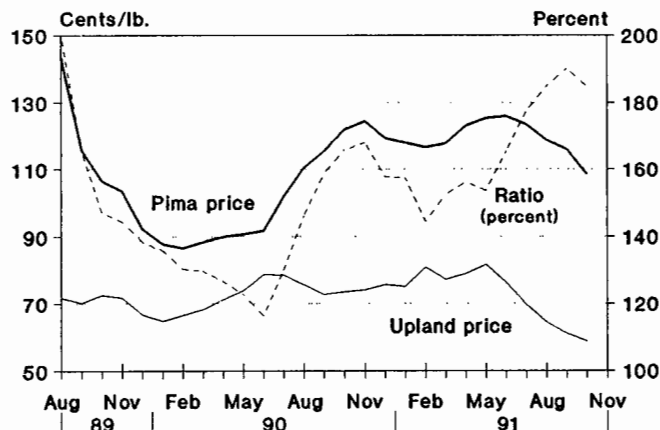
on these early-season levels, 1991/92 ELS exports are expected to reach 325,000 480-pound bales. If realized, this level would be 90,000 bales below the 1990/91 exports.

Based on current estimates, total supply of ELS cotton this season is projected at 516,000 bales. With total offtake projected down to 395,000 bales, ELS ending stocks are expected to rise to 111,000 bales by season's end.

**ELS Outlook for 1992/93**

Continued strong export demand will once again dominate the 1992/93 outlook. With total demand expected to rise above this season, ELS planted area could expand slightly. In California, acreage increases are expected next season due to the recent success of ELS cotton there. Higher price ratios, currently favoring ELS production, might also entice producers to increase production in lieu of upland (figure 11).

Figure 11  
**Relative Prices Currently Favor Pima\***



\* Pima (46-03) and Desert SW Spot.

ELS cotton production in 1992/93, assuming trend yields and normal abandonment, could range between 450,000 and 500,000 bales. With ending stocks for the current season projected at 111,000 bales, total ELS supplies in 1992/93 would imply a range of 560,000 to 610,000 bales.

Mill use is expected to rise only slightly to 75,000 bales in 1992/93, while a modest increase in ELS exports is projected, approaching the 1990/91 level of 415,000 bales. Based on these supply and demand estimates, 1992/93 ending stocks are projected near the current season's estimate.

**Foreign ELS Production Down; Consumption Firm in 1991/92**

According to the International Cotton Advisory Committee's (ICAC) mid-November estimates, 1991/92 ELS production in foreign producing countries is projected to decline from a year earlier, while consumption is expected to remain stable. ELS cotton outturn is projected at 3.8 million bales this season, down 11 percent from 1990/91 (table F). Consumption among foreign producers is expected to equal last season's 3.5 million bales. As a result, stocks at the beginning of 1992/93 could fall to 965,000 bales--25 percent below this season's beginning stocks.

In 1992/93, both ELS production and consumption are expected to rise in foreign producing countries. While production is anticipated up 7 percent, consumption is projected to rise 4 percent. Among individual countries, Egypt and India are likely to account for the majority of increases in both output and use.

Exports of ELS cotton among foreign producers are projected to return to more normal levels this season by rising 38 percent to 729,000 bales. In 1992/93, however, exports are expected to fall slightly to 695,000 bales. Based on the ICAC data, the United States will remain the leading exporter of ELS cotton this season and in 1992/93, capturing more than 30 percent of the export market.

**Foreign Cotton Situation and Outlook**

**Increased Area and Yield To Result in Higher Production**

Foreign cotton production in 1991/92 is projected at 73.4 million bales, up 1.9 million (2.7 percent) from last season and the second highest on record--trailing 1984/85's record outturn by 2.4 million bales (table G). The larger prospective foreign production this season is attributable to both increased area and yield. Foreign cotton area is placed at 71 million acres (28.8 million hectares), up 1.6 percent from 1990/91, and yield is forecast at 496 pounds per acre (556 kilograms per hectare), up 1.1 percent. If these forecasts are

Table F--ELS cotton supply and use in foreign producing countries, 1988-92

Year beginning August 1	1988	1989	1990	1991 est.	1992 proj.
1,000 480-lb. bales					
<b>Beginning stocks:</b>					
Egypt, L. Stpl.	181	97	84	91	117
India	158	226	301	428	301
Israel	5	7	11	15	1
Peru	5	11	61	37	28
PRC	4	4	34	129	97
Sudan	224	166	235	160	74
USSR	268	340	74	244	178
Others	27	23	39	35	26
Subtotal	872	874	839	1,139	822
Egypt, ELS	109	86	73	144	143
Total	981	960	912	1,283	965
<b>Production:</b>					
Egypt, L. Stpl.	1,039	938	961	891	1,028
India	878	979	891	890	1,036
Israel	85	143	71	9	14
Peru	106	150	123	76	112
PRC	115	161	260	253	267
Sudan	186	226	65	44	37
USSR	1,792	1,213	1,461	1,200	1,031
Others	49	50	50	41	57
Subtotal	4,250	3,860	3,882	3,404	3,582
Egypt, ELS	370	371	380	404	475
Total	4,620	4,231	4,262	3,808	4,057
<b>Consumption:</b>					
Egypt, L. Stpl.	966	902	936	800	850
India	811	786	747	900	1,050
Israel	0	0	1	1	1
Peru	34	78	50	45	60
PRC	65	108	115	225	225
Sudan	3	6	13	10	5
USSR	1,500	1,380	1,301	1,236	1,131
Others	22	32	32	32	32
Subtotal	3,401	3,292	3,195	3,249	3,354
Egypt, ELS	200	235	256	240	270
Total	3,601	3,527	3,451	3,489	3,624
<b>Exports:</b>					
Egypt, L. Stpl.	100	49	18	65	65
India	0	117	16	117	117
Israel	83	140	65	22	12
Peru	51	47	97	40	40
PRC	60	38	64	75	90
Sudan	241	151	127	120	75
USSR	259	145	36	75	75
Others	63	34	53	50	56
Subtotal	857	721	476	564	530
Egypt, ELS	176	149	53	165	165
Total	1,033	870	529	729	695

Source: International Cotton Advisory Committee, Washington, D.C.

Table G--World cotton supply and use, 1990/91 and 1991/92 1/

Year beginning August 1	United States	Major importers 2/	Major exporters 3/	Other	Total foreign	World
Million 480-lb. bales						
<b>1990/91:</b>						
<b>Supply--</b>						
Beginning stocks	3.0	5.1	9.6	8.7	23.4	26.4
Production	15.5	1.5	48.0	22.0	71.5	87.0
Imports	4/	14.0	3.2	6.3	23.5	23.5
<b>Use--</b>						
Mill use	8.7	15.3	39.4	22.1	76.8	85.5
Exports	7.8	0.9	7.5	7.2	15.6	23.4
Ending stocks	2.3	4.3	13.7	7.5	25.5	27.9
<b>1991/92:</b>						
<b>Supply--</b>						
Beginning stocks	2.3	4.3	13.7	7.5	25.5	27.9
Production	18.2	1.4	48.3	23.7	73.4	91.6
Imports	4/	14.0	2.8	6.9	23.7	23.7
<b>Use--</b>						
Mill use	9.1	14.9	40.4	23.3	78.6	87.7
Exports	7.2	0.8	9.0	6.9	16.7	23.9
Ending stocks	4.4	4.0	15.2	7.8	27.0	31.4

NA - Not available.

1/ Based on November 12, 1991, World Agricultural Supply and Demand Estimates Report, 1991/92 projected.

Totals may not add and stocks may not balance because of rounding, a small quantity of cotton destroyed, and unaccounted differences. 2/ 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 5,000 bales.

realized, foreign yields in 1991/92 would equal the record set in 1984/85.

The strong foreign crop prospects and expected large U.S. crop and yields should easily result in record world production and yield. World production in 1991/92 is projected at 91.6 million bales and the yield at 520 pounds per acre (583 kilograms per hectare).

Among the larger foreign producers (a million or more bales), 1991/92 cotton production is expected to rise in Argentina, Brazil, China, India and Pakistan, and decline in Australia, Egypt, Turkey, Paraguay and the Soviet Union. Cotton production in the Soviet Union is expected to fall by 1 million bales (8.3 percent) to 11 million, and in Turkey by 300,000 bales (10.2 percent) to 2.7 million. Outturn in Egypt is projected at 1.3 million bales, down 4 percent from last season.

In China, production is expected to rise by 1.3 million bales (6.3 percent) to 22 million. In India, production is expected to rise by about 850,000 bales (9.5 percent) to 10 million, while Pakistan is likely to produce a record 7.8 million bales, 3.8 percent above last season.

In French-speaking West Africa, 1991/92 cotton production is expected to increase by 190,000 bales (8 percent) to 2.6 million. The majority of the increase is in four of the countries: Cote d'Ivoire, up 19 percent to 600,000 bales; Cameroon, up 15 percent to 230,000 bales; Chad, up 13 percent to 310,000 bales and Benin, up 11 percent to 300,000 bales.

In the Southern Hemisphere, cotton production in Australia and Paraguay is expected to decline by 2 and 3 percent, respectively, to 1.9 and 1.15 million bales. Though Australia's area is unchanged in 1991/92 at 270,000 hectares (667,000 acres), producers there are not expected to match last season's strong yields. Australian cotton yield in 1991/92 is forecast at 1,367 pounds per acre (1532 kilograms per hectare), compared with 1,394 pounds (1563 kilograms) last season.

In Argentina, stable area (1.56 million acres in the current and past season) but higher yields (up 7.3 percent this season) are expected to push production up by a similar percentage to 1.45 million bales. Brazil is expected to increase its 1991/92 production by 13 percent to 3.5 million bales on larger area and higher yields. Area in Brazil is projected at 4.9 million acres (2 million hectares), up 1 percent from last season, and yields are projected at 340 pounds per acre (381 kilograms per hectare), up 12 percent from 1990/91.

### **Consumption To Resume Upward Trek, Set Record—About Offset Production Increases**

Foreign cotton consumption in 1991/92 is expected to turn upward following last season's decline and reach a record 78.6 million bales. However, the projected 1.8-million-bale (2.3

percent) increase is slightly below the anticipated 1.9 million (2.7 percent) rise in production. Consumption is expected to rise by 500,000 bales (2.5 percent) in China to 20.5 million, 400,000 (4.4 percent) in India to 9.5 million and 550,000 (9.6 percent) in Pakistan to 6.25 million.

Foreign consumption gains continue to be concentrated among net exporting countries, although, after 3 seasons of decline, consumption among net importing countries is likely to increase marginally (figure 12). Of the 1.76-million-bale gain in foreign consumption expected this season, over 98 percent will likely occur among net exporters. Cotton consumption in 1991/92 among foreign exporters is placed at 56.6 million bales, and among foreign importers, at 22.0 million.

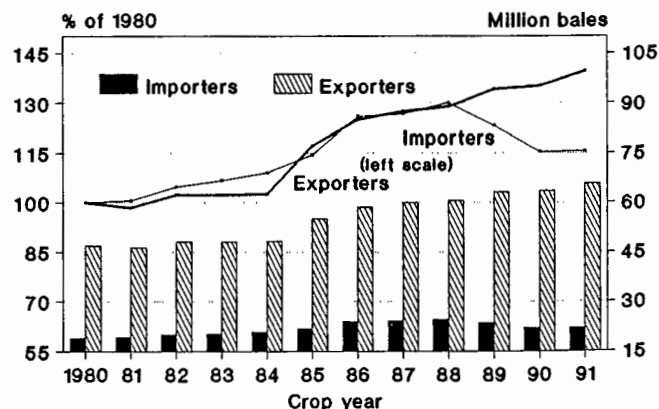
Cotton consumption in 1991/92 in the French-speaking West Africa is expected to remain unchanged from last season at 300,000 bales. Consumption in the current season is expected to total only 11 percent of production, down 1 percentage point from last season, with all of the increase in total offtake to occur in the export market.

Among net importing countries, consumption in 1991/92 is expected to decline 150,000 bales (12.5 percent) in Taiwan and 130,000 bales (4.2 percent) in Japan. However, increases of 250,000 bales (16.7 percent) in Indonesia and 150,000 bales (10.3 percent) in Thailand are expected. The latter pair of countries are experiencing booming textile industries in response to relatively low labor costs, favorable exchange rates, and strong domestic economic growth, among other factors.

### **Turnaround Expected in Foreign Exports**

After reaching a record 19.7 million bales in 1988/89, foreign exports dropped over 4 million to 15.6 last season. This season, foreign exports are expected to reverse the 3-year decline and rise by 1.1 million bales to 16.7 million. The increase in

Figure 12  
**Gap Widens Between Importers' and Exporters' Cotton Use**



foreign exports is attributable to an expected 635,000-bale increase in shipments to net importers (the first increase after 3 years of decline), larger foreign production and tight early-season supplies in the United States.

Among major foreign exporters, exports in 1991/92 are expected to rise 200,000 bales in Australia to 1.7 million, 72,000 in China to 1 million, 223,000 in Pakistan to 1.55 million and 210,000 in Paraguay to 1.2 million. In India, where the domestic textile industry is requiring more cotton, exports are expected to fall by 530,000 to 400,000 bales. The most significant increase in exports among foreign producers is expected in the Soviet Union where shipments are expected to rebound by 65 percent (1.3 million bales) from their low of 2 million bales last season to 3.3 million in 1991/92. Outside the Soviet Union, exports of cotton by foreign countries are expected to decline 200,000 bales.

In French-speaking West Africa, 1991/92 cotton exports are forecast to increase 3 percent to 2.3 million bales, as these countries continue to channel the majority of their output into the export market. Current-season exports are expected to total over 85 percent of production.

#### Prices Pressured by Production

While 1991/92 is expected to witness a near balance between foreign production and consumption, the potential of a big crop in the United States has cast a shadow on world cotton prices as world production is expected to outdistance consumption by 2.5 million bales. An excess of Soviet stocks from the 1990/91 season, in addition to large supplies this season, is further depressing prices.

From the outset of the current marketing season, world prices as measured on the Northern Europe market by the A-Index, have retreated steadily from the high-average and stable range of the past season (figure 13). Through mid-November, the index dropped 12.5 cents per pound, and, for October, this season averaged 67.8 cents per pound, compared with 81.6 cents for the same month a year earlier.

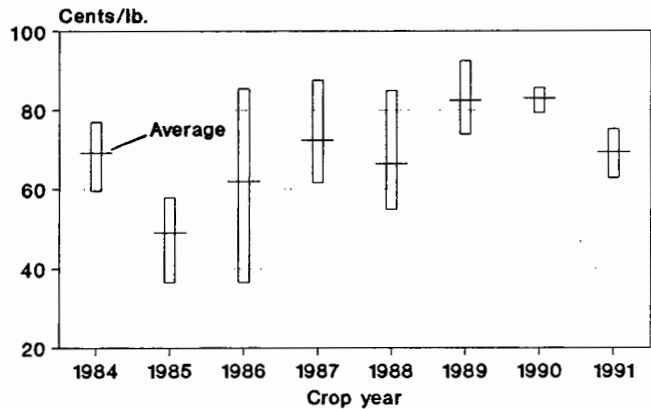
#### Ending Stocks To Rise

Foreign ending stocks in 1991/92 are expected to rise about 1.5 million bales to 27 million, the highest since the 1987/88 season (figure 14). The ending stocks-to-use ratio is projected to increase to 34.4 percent from 33.2 last season. World ending stocks are projected up this season to 31.4 million bales and the ending stocks-to-use ratio to 35.8 percent.

#### Foreign Production Seen About Unchanged in 1992/93

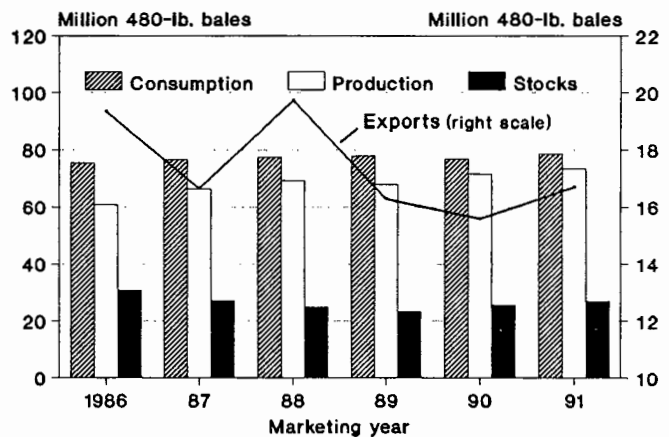
This season's outturn is projected to be the second largest ever, with record-tying yields. Foreign cotton production in 1992/93 is likely to remain near the current season's level. Factors expected to diminish the prospects of a repeat of this season's gains are:

Figure 13  
1991/92 A-Index Prices Trade  
Over Broader Range



Current season based on daily quotes thru mid-November.

Figure 14  
Foreign Stocks Projected Up



Estimated 1990 and projected 1991.

- a substantial retreat in prices so far this season. If prices continue to fall, the enthusiasm to expand area brought on by the high 1990/91 prices will dampen;
- a rebuilding of foreign stocks in the current season;
- a smaller, though substantial, projected ending stocks level for the Soviet Union in 1991/92 will likely pressure other foreign exporters' trade prospects again in 1992/93; and
- a substantial gain in U.S. ending stocks in 1991/92, following the large current-season crop.

Foreign cotton production in 1992/93 will likely be highly influenced by prospects in the Soviet Union and China. In the Soviet Union, cotton area has declined for four consecutive seasons with only slight year-to-year yield increases. Together with another expected outright decline in area this sea-

son, the result has been steadily declining cotton production (figure 15). Because of cotton's economic return, large area declines are unlikely in 1992/93. Even a substantial rebound in yields next season may not fully compensate for the prospective lower area, resulting in stagnant-to-lower production.

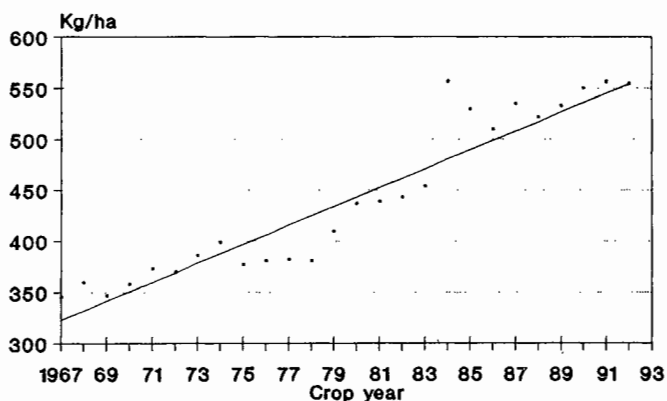
In China, where 1991/92 cotton area reached 14.8 million acres, the largest since 1984/85's record, further gains in cotton area will be difficult. Any significant additional expansion would likely cut into grain production, particularly much-needed wheat.

Pakistan raised cotton area in 1991/92, marking the fourth consecutive year of increase. Expanding area and steadily rising yields boosted Pakistan's output to record levels in 1990/91 and again this season. Further output gains are likely in 1992/93, due to both area and yield increases, particularly given Pakistan's strong growth in cotton consumption. However, area expansion in Pakistan is diminishing as officials are promoting other crops, notably sugarcane and rice.

In 1992/93 cotton production is likely to continue to expand in French speaking West Africa where export earnings are highly valued and cotton remains an attractive production enterprise.

Foreign cotton consumption is likely to increase in 1992/93, following this season's prospective 2-million-bale gain. In order to increase trade in value-added textile products, foreign producers are expected to continue to direct greater output toward their domestic textile industries. Whether consumption will increase in foreign countries by the magnitude of the current season's rise will also depend upon the consumption pattern in net importing countries. Particularly, consumption gains will be bolstered or lessened by the extent that net importers reverse the downward trend in consumption of the past two seasons. Indonesia and Thailand are expected to lead consumption gains again next season.

Figure 15  
1992/93 Foreign Cotton Yield  
Based on 1967-91 Trend



## U.S. Wool Situation and Outlook

### Strong Mill Demand

The total supply of raw wool in 1991 is projected at 194 million pounds, clean. Stocks at the beginning of this season totaled 53 million pounds. Expected production of 46 million pounds is down 2 percent from last year, reflecting reduced sheep numbers.

Raw-wool mill consumption in 1991 is estimated at 150 million pounds, 13 percent above last year (table H). This mill consumption is the largest in almost 20 years and reflects large top exports and strong fabric production of "co-ordinate" apparel, sport coats, suits, and women's coating fabric. The latest data show that third-quarter 1991 raw-wool mill consumption was 40.6 million pounds, clean basis, 3 percent less than the second quarter but 35 percent more than a year earlier (table I).

The worsted system in the third quarter used 20.9 million pounds, 4 percent below the previous quarter and 31 percent above a year earlier. The woolen system used 15 million pounds, 11 percent less than the second quarter but 38 percent more than last year. Bureau of Census data illustrated in figures 16 and 17 show a similar pattern in both the worsted and woolen systems of broadwoven fabric production and raw wool mill consumption. Carpet mills consumed 4.6 million pounds, 49 percent more than both the second quarter and last year.

Apparel mill use of noncellulosic fibers per pound of raw wool was 1.27 pounds in the third quarter, 1.40 in the second quarter, and 1.52 in 1990. A greater share of noncellulosic fibers tends to be used when wool prices are relatively high. World raw wool prices dropped after February 1991 when Australia abandoned its price support scheme.

Wool top production in the third quarter was 19.7 million pounds, almost 4 percent below the second quarter but 19 percent above a year earlier. Top exports represented 26 percent of third quarter production. Third-quarter top exports were 5.1 million pounds, 6 percent above the previous quarter (figure 18). Three countries received 87 percent of third quarter exports: China, 58 percent; Korea, 22 percent; and Venezuela, 7 percent. Third-quarter 1991 top overseas shipments had an average unit value of \$2.12, 12 percent below the second quarter and 22 percent below the first.

Top imports in the third quarter were 310,000 pounds, 24 percent below the second quarter. Two countries accounted for 97 percent of the imports: Australia, 83 percent; and Chile, 14 percent.

U.S. prices for clean, mill-delivered raw wool declined from August to early November more in the finer grades than in the medium grades. The 64's were at \$1.80 per pound, clean,

Table H--Wool supply and disappearance, clean content, 1985-91 1/

Item	1985	1986	1987	1988	1989	1990	1991 1/
Million pounds							
Stocks, January 1	51.6	50.6	46.8	45.3	55.9	69.3	53
Production	47.1	45.3	45.3	47.8	47.8	47.0	46
Imports	79.5	97.0	105.1	96.7	106.9	71.7	95
Differences, unacc.	-9.6	-8.6	-8.1	.0	-5.4	.0	0
Total supply	168.6	184.3	189.1	189.8	205.2	188.0	194
Mill use	116.6	136.7	142.8	132.7	134.7	132.7	150
Exports	1.4	0.8	1.0	1.2	1.2	2.7	4
Total use	118.0	137.5	143.8	133.9	135.9	135.4	154
Stocks, December 31	50.6	46.8	45.3	55.9	69.3	52.6	40

1/ Estimated by USDA. All projections are rounded.

Sources: USDA and Bureau of the Census.

Figure 16  
Worsted System: Raw Wool Consumption and Broadwoven Fabric Production

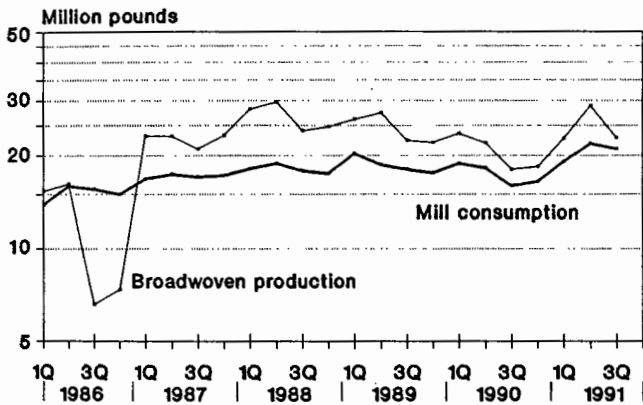


Figure 17  
Woolen System: Raw Wool Consumption and Broadwoven Fabric Production

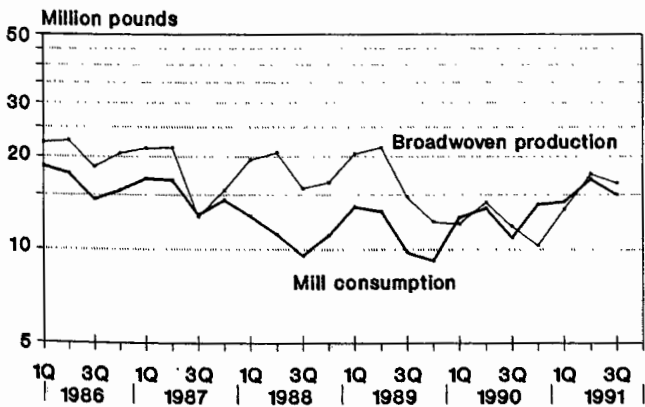


Table I--U.S. mill consumption of raw wool, clean basis, 1984-91

Year	Apparel wool	Carpet wool	Total
1,000 Pounds			
Jan.-Dec.:			
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
1988	117,069	15,633	132,702
1989	120,534	14,122	134,656
1990	120,622	12,124	132,746
Jan.-Mar.:			
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	30,925	4,479	35,404
1989	33,987	3,294	37,281
1990	31,511	3,911	35,422
1991	33,320	3,088	36,408
Apr.-June:			
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	30,087	3,819	33,906
1989	31,875	3,979	35,854
1990	31,726	2,950	34,676
1991	38,691	3,119	41,810
July-Sept.:			
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
1988	27,427	4,414	31,841
1989	27,867	3,865	31,734
1990	26,888	3,125	30,013
1991	35,963	4,644	40,607
Oct.-Dec.:			
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
1988	28,630	2,921	31,551
1989	26,805	2,984	29,789
1990	30,497	2,138	32,635

Source: Bureau of the Census.

Table J--Average U.S. farm prices per pound for shorn wool, greasy basis, 1984-91 1/

Month	1984	1985	1986	1987	1988	1989	1990	1991 2/
Cents/pound								
January	58.4	59.2	52.2	58.7	84.8	109.0	65.8	38.2
February	67.1	58.7	54.4	69.1	109.0	131.0	70.6	42.1
March	79.3	61.0	61.9	78.7	140.0	133.0	83.4	47.9
April	87.9	67.9	70.0	99.7	153.0	135.0	92.6	58.4
May	86.5	68.5	73.7	106.0	166.0	136.0	99.5	67.4
June	86.6	69.8	75.5	108.0	161.0	134.0	93.4	71.8
July	82.3	64.0	67.5	87.0	134.0	121.0	80.4	56.4
August	78.5	60.2	65.9	83.1	122.0	112.0	74.4	53.0
September	74.3	59.5	57.6	93.6	113.0	115.0	71.9	53.9
October	80.2	66.6	69.7	95.5	123.0	147.0	83.5	66.6
November	67.5	58.5	64.0	84.1	119.0	102.0	58.0	
December	69.4	56.8	59.4	81.4	116.0	94.0	48.2	
Average	79.5	63.3	66.8	91.7	138.0	124.0	76.8	

1/ Weighted market-average price. 2/ Preliminary and unweighted prices.

Source: Agricultural Prices, National Agricultural Statistics Service, USDA

Table K--U.S. imports of raw wool for consumption, clean content, 1985-91

Year	48's and finer 1/	Not finer than 46's 2/	Misc. 3/	Total
1,000 pounds				
Jan.-Dec.:				
1985	50,164	29,308	NA	79,472
1986	66,090	30,901	NA	96,991
1987	74,054	31,066	NA	105,120
1988	72,323	24,418	NA	96,741
1989	77,003	29,889	48	106,940
1990	50,328	21,355	33	71,716
Jan.-Mar.:				
1985	15,169	7,397	NA	22,536
1986	19,749	6,910	NA	26,658
1987	20,434	5,805	NA	26,239
1988	26,763	6,753	NA	33,516
1989	20,166	8,815	1	28,982
1990	14,466	6,697	33	21,195
1991	18,375	4,605	5	22,985
Apr.-June:				
1985	9,661	7,951	NA	17,612
1986	16,744	7,401	NA	24,145
1987	21,829	9,126	NA	30,954
1988	19,150	5,965	NA	25,115
1989	22,507	9,265	17	31,789
1990	10,962	7,070	0	18,032
1991	16,422	4,545	0	20,967
July-Sept:				
1985	11,573	7,158	NA	18,731
1986	12,922	8,235	NA	21,157
1987	13,974	9,761	NA	23,735
1988	9,940	6,141	NA	16,081
1989	15,328	5,500	30	20,859
1990	9,607	4,275	0	13,882
1991	16,426	4,148	42	20,616
Oct.-Dec.:				
1985	13,790	6,803	NA	20,593
1986	16,676	8,355	NA	25,032
1987	17,818	6,374	NA	24,192
1988	16,470	5,558	NA	22,028
1989	19,002	6,309	NA	25,312
1990	15,293	3,314	NA	18,607

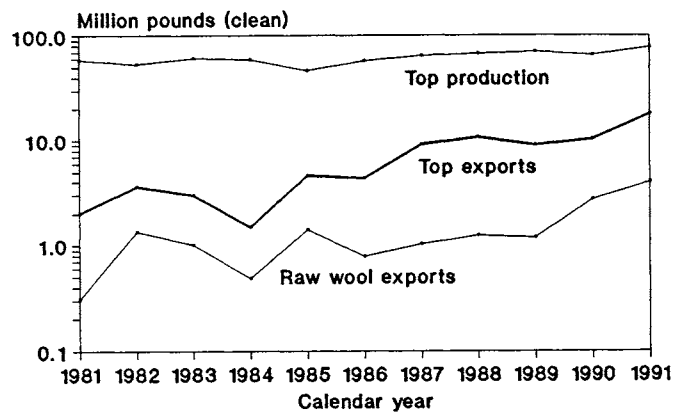
NA = Not available.  
 1/ Formerly "Dutiable." 2/ Formerly "Duty-free."  
 3/ Raw wool, not carded or combed, but processed beyond the degreased condition, e.g. dyed. The grade is not identified, Harmonized TSUSA 5101.21.6000, 5101.29.6000 and, 5101.30.6000.

Source: Bureau of the Census.

60's, \$1.28 compared with \$1.38. In contrast, the medium 56's at \$1.05 per pound were \$1.06 in August while the 54's at \$0.95 were down from \$0.98. The simple average price received by sheep producers in October for raw wool, greasy basis, was \$0.666 per pound compared with \$0.539 in September and \$0.835 a year earlier (table J).

Domestic prices for finer-grade Australian wool in October declined while the medium grades increased. The 80's at

Figure 18  
 Top Exports Rise While Production Remains Steady



Estimated 1991.

\$3.94 per pound declined from \$4.72; the 70's at \$3.17 were down from \$3.82; and the 64's at \$2.20 down from \$2.38. In contrast, the 58's at \$1.93 per pound were up from \$1.73 while the 56's at \$1.82 per pound were up from \$1.69.

U.S. imports of raw wool are estimated to be 95 million pounds, 32 percent more than last year. Larger imports are needed to supplement domestic production necessary to meet expanded mill demand. U.S. imports in the third quarter were 20.6 million pounds, clean, almost 2 percent less the second quarter but 48 percent more than a year earlier (table K). Imports of the 48's and finer grades, at 16.4 million pounds, were up 71 percent from a year earlier. Almost 96 percent of these wool grades came from three countries: Australia, 90 percent; New Zealand, and Uruguay, 3 percent each.

Imports of unimproved and other grades not-finer-than 46's were 4.1 million pounds, 3 percent below a year earlier. About 98 percent of these third quarter imports came from three countries: New Zealand, 82 percent; the United Kingdom, 11 percent; and Argentina, 5 percent.



# Foreign Wool Situation and Outlook

## November Use Rises

The latest data indicate that world wool production in the 1991/92 season will be almost 4 billion pounds, down 7 percent from last season. Almost 70 percent of this reduction occurred in Australia. World wool availability in the current season is estimated to be a record 5.5 billion pounds, up 1.5 percent from last season and 28 percent above the five-year average. This world availability was distributed as follows: merino, 52 percent; and crossbred and carpet wools, 48 percent.

The Australian Official Wool Production Forecasting Committee's latest estimate of the Australian 1991/92 production is slightly more than 2 billion pounds, greasy, 16 percent below the previous season. The number of sheep shorn is expected to be 194 million, 10 percent less than 1991/92. Average fleece weights, at 9.6 pounds per head, are down over 5 percent due to less rain and reduced supplementary feed and fertilizer use because of lower economic returns.

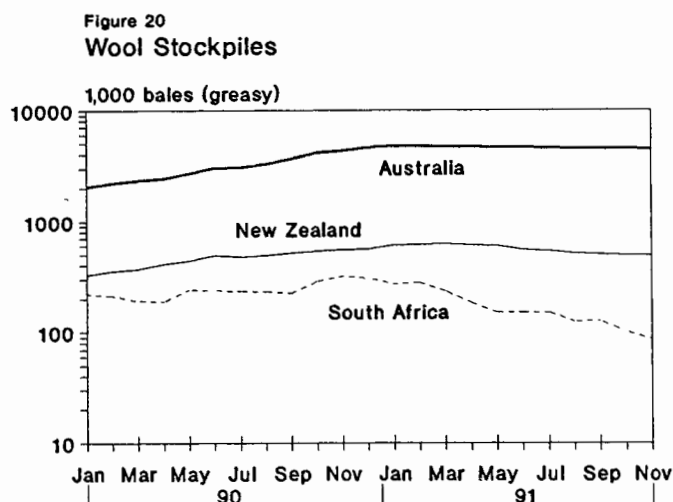
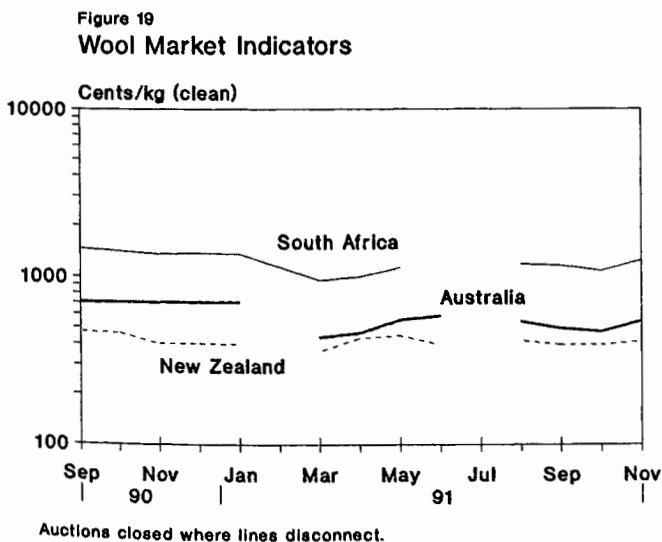
The Australian wool market began the new season on a subdued note. The market indicator (a weighted-average index of 15 wool categories) declined almost continuously during the first 11 weeks, from an opening season high of A553¢/kg to a low of A438¢/kg in mid-October (figure 19). The market indicator average for August was A534¢/kg with 88 percent of the offering sold to the trade. In September the market indicator averaged A494¢/kg with almost 92 percent of the offering sold. A peak of A541¢/kg in late October caused that monthly average to be A472¢/kg. About 91 percent of the October offering was sold. The stronger market in the first half of November caused the market indicator to average A544¢/kg with 94 percent of the offering sold to the trade. The Australian stockpile declined each week of the 1991/92 season, reaching about 4.45 million bales by mid-November,

about 1.5 percent below the level at the season's opening (figure 20).

The New Zealand wool market in first four months of the 1991/92 season followed the general pattern of the Australian market. The New Zealand market indicator began to drop in late August. This slower demand continued into early October. Stronger demand from Japanese and Chinese mills caused the market to rise in late October and early November. The average market indicator in August was NZ417¢/kg and NZ390¢/kg in both September and October. By mid-November the indicator increased to NZ411¢/kg. The New Zealand stockpile decreased each month, reaching 492,000 bales in mid-November, almost 12 percent below the level at the end of last season.

Sheep numbers in New Zealand in the current season are expected to be slightly less than 58 million head. Good growing conditions should cause an increase in the average clip. Production is expected to total 670 million pounds, about the same as last season.

Because of a continuing drought, the South African clip in the 1991/92 season is expected to be about 216 million pounds, down 6 percent from the last season. The South African market also followed the general path of the Australian market. The market indicator declined each week in September from SA1191¢/kg the first week to a season low in mid-October, SA1008¢/kg. A stronger market then developed in late October, which by mid-November caused the market indicator to rise to a season high of SA1,296¢/kg. The percent of the offering bought by the trade increased each month: September, 75 percent; October, 83 percent; and November, 96 percent.



## Mohair

### Strong Overseas Demand

U.S. mohair exports in 1991 are forecast to be 12 million pounds, clean, 3 percent above last year (table L). Third quarter exports were 1.8 million pounds, 37 percent below the previous quarter and 3 percent below a year ago. The value of these shipments was \$2.7 million averaging \$1.50 per pound compared with \$1.13 in the second quarter and \$1.01 in the first quarter. This increase results from a continued firm world mohair demand. More than 87 percent of the third quarter exports went to four countries: the United Kingdom, 66 percent; France, 10 percent; India, 7 percent; and Belgium, 5 percent.

Mohair top exports are included in the Harmonized Schedule B category, "Fine animal hair, carded or combed." About 497,000 pounds were exported during third quarter 1991, compared with 486 million pounds a year earlier. The average price of third quarter shipments was \$2.80 per pound, down 38 cents from 1990.

The market demand for mohair somewhat weakened in the third quarter. Adult hair prices were \$1.50 per pound, down \$0.15 from the second quarter. Young goat hair at \$1.70 per pound was down \$0.30. The major domestic market for these grades is in hand knitting and upholstery fabrics. Kid hair which is used in finer coating, suiting fabrics, and machine knitting was \$2.25, down \$0.50 from the previous quarter.

Stocks of mohair at the beginning of 1991 were 1.8 million pounds, clean. Domestic mohair production in 1991 is expected to reach 12.7 million pounds. With total use projected at 12.8 million pounds, stocks at the year's end are forecast to decline slightly to 1.7 million pounds.

World mohair consumption is estimated to be 44 million pounds, greasy, and world production to be 38.5 million with the difference taken from stocks. The South African mohair market continues strong and healthy. The current inventory of 4 to 4.5 million pounds is down from 10 million last spring

and 20 million at the beginning of 1991. South African mohair production in 1991 was 17 million pounds, down 23 percent from 1990.

Average adult hair began the winter season at the level of last season, 10.6 rand per kilogram in late August. By mid-September strong demand pushed the price to 14 rand. Since then, the demand softened and the price declined to 11.5 rand in mid-November. Young goat prices have remained at 21 rand per kilogram while kid prices remained at 42 rand after the season's beginning 57 rand.

In South Africa the cumulative clearance of the first seven mohair sales of the winter (August 1991-February 1992) was 68 percent, higher than any of the previous five seasons.

## Manmade Fibers

### Demand Continues Strong

The manmade fiber business continued strong in the third quarter of 1991, reflecting a trend begun in the second quarter. Production was 2.26 million pounds, up 4.6 percent from the second quarter. Total shipments, at almost 2.27 billion pounds, were up 2 percent. Mill consumption at 2.33 billion, while the largest in more than two years, was 0.5 percent above the second quarter. Stocks at producers' plants were down 9 percent from a year ago.

The carpet market continues to take more fiber than other markets (appendix table 15). In the second quarter of 1991, this market consumed 740 million pounds, 26 percent more than the first quarter. It represented more than 35 percent of all domestic shipments. Nylon fibers, at 439 million, constituted 59 percent of the carpet market. Preliminary data for the third quarter indicate that about 473 million pounds of nylon were used in carpets, almost 8 percent more than the second quarter. The quantity of filament nylon fibers, 258 million, used in carpets during the third quarter was a record high. Olefin fiber carpet use in the second quarter (at 242 million pounds, a record high) made up 33 percent of this market.

Table L--U.S. mohair supply and disappearance, clean content, 1985-91

Item	1985	1986	1987	1988	1989	1990	1991 1/
Million pounds							
Stocks, January 1	1,020	1,304	1,541	1,778	1,404	1,884	1,800
Production	10,990	13,510	13,990	13,170	13,110	12,400	12,700
Imports	20	13	7	59	3	1	1
Differences, unacc.	-1,035	1,436	352	975	317	-85	-1
Total supply	10,995	16,263	15,890	15,982	14,834	14,200	14,500
Mill use	700	100	100	200	800	800	800
Exports	8,991	14,622	14,012	14,378	12,150	11,600	12,000
Total use	9,691	14,722	14,112	14,578	12,950	12,400	12,800
Stocks, December 31	1,304	1,541	1,778	1,404	1,884	1,800	1,700

1/ Estimated by USDA. All projections are rounded.

Sources: USDA and Bureau of the Census.

Woven textile products remain the second largest market for manmade fibers, taking 23 percent of all domestic shipments. About 483 million pounds of manmade fibers were used in the second quarter, 12 percent more than the first quarter. About 277 million pounds of polyester fiber were used, 57 percent of the woven market and almost 8 percent more than the first quarter. Olefin fibers at 117 million pounds, were 24 percent of this market. About 43 million pounds of acetate fiber were used and was the largest quantity in more than 15 years.

The knit market took about 324 million pounds in the second quarter, almost 11 percent above the first. Knit textiles were about 16 percent of domestic shipments. Three fibers dominate this market: polyester, at 197 million pounds, constituted 61 percent; nylon, at 59 million pounds, was 18 percent; and acrylic, at 63 million pounds, was 20 percent.

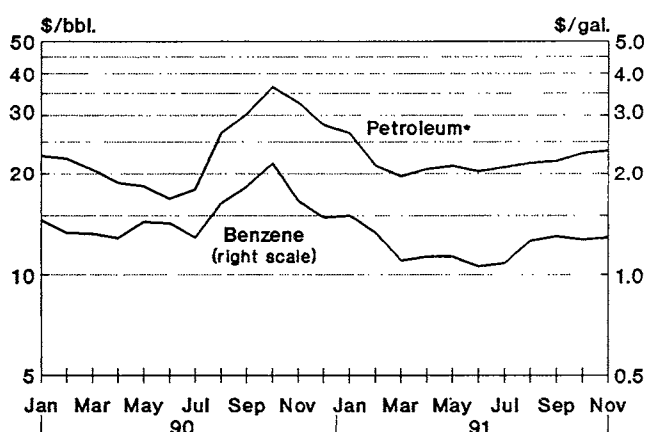
Prices of the major raw materials used to make manmade fibers are influenced by the price of oil. Benzene, a precursor for many chemicals, is very sensitive to oil prices as well as to the market demand of its numerous derivatives. Since the resolution of the Gulf crisis, the prices of both oil and benzene have gone back to the approximate levels that existed before that crisis (figure 21 and table M). The average spot price of oil has slowly increased about 12 percent to \$23.50 per barrel from \$21.05 last summer.

Benzene's price rose this fall to the \$1.27-\$1.30 per pound reflecting the increase in the price of oil. The para-xylene, a precursor to polyester fibers, price has declined slightly to \$0.1975 per pound from \$0.20 last summer due to small export shipments and a stable domestic market where overca-

capacity and adequate demand have kept prices constant. The price of cyclohexane, a basic chemical used in nylon production, is tied to the price of benzene. It rose from \$1.29-\$1.34 per pound in August to \$1.34-\$1.39 in early November. Caprolactam, a raw material for nylon, is listed at \$0.89 per pound but is reported to be discounted as much as 25 percent.

Propylene, a precursor for acrylonitrile (raw material for acrylic fibers) and for olefin fibers has remained at \$0.16 per pound because of slow demand. Acrylonitrile is listed at \$0.385 per pound but was reported to be discounted to \$0.25 because of the depressed demand for acrylic fibers and plastic derivatives. The price of ethylene glycol (a raw material used to make polyester fibers) remained at the August price of \$0.24 per pound into November.

Figure 21  
Benzene Price Levels Stabilize



\* W. Texas intermediate crude (Cushing).

Table M--Reported spot prices of raw materials for manmade fibers, 1991

Product	Jan.	Feb.	March	April	May	June
Para-xylene 1/	24.5	24.5	22	20.5	20.5	20
Propylene 1/	22.5	22.5	20.5	20.5	19.5	19.5
Ethylene glycol 1/	30-33	30-33	28	28	28	27
Cyclohexane 2/	1.46-1.51	1.46-1.51	1.17-1.22	1.17-1.22	1.17-1.22	1.13-1.18
Acrylonitrile 1/	38.5	38.5	38.5	38.5	38.5	38.5
Caprolactam 1/	89	89	89	89	89	89
Benzene 2/	1.50	1.33	1.10	1.13	1.13	1.06
	Jul	Aug	Sept	Oct	Nov	Dec
Para-xylene 1/	20	20	19.75	19.75	19.75	NA
Propylene 1/	19.5	16	16	16	16	NA
Ethylene glycol 1/	21	24	24	24	24	NA
Cyclohexane 2/	1.13-1.18	1.36	1.29-1.34	1.34-1.39	1.34-1.39	NA
Acrylonitrile 1/	38.5	38.5	38.5	38.5	38.5	NA
Caprolactam 1/	89	89	89	89	89	NA
Benzene 2/	1.08	1.26	1.30	1.27	1.29	NA

NA = Not available.

1/ Cents per pound. 2/ Dollars per gallon.

Source: Chemical Marketing Reporter.

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Appendix table 1--Cotton acreage, production, and yield, by State, 1986-91

State	Planted acres					Harvested acres					Lint yield per harvested acre					Production				
	Average 1986-90	1988	1989	1990	1991 1/	Average 1986-90	1988	1989	1990	1991 1/	Average 1986-90	1988	1989	1990	1991 1/	Average 1986-90	1988	1989	1990	1991 1/
	-1,000 acres-										-Pounds-					-1,000 480-lb bales 2/-				
Alabama	350	390	328	380	430	344	375	322	378	425	432	486	571	476	565	383	380	383	375	500
Arizona 3/	296	350	240	350	370	295	349	239	348	359	1,242	1,190	1,303	1,110	1,217	808	865	649	805	910
Arkansas	624	695	610	770	990	550	675	595	750	950	731	742	687	692	783	985	1,044	851	1,081	1,550
California 3/	1,130	1,350	1,050	1,100	950	1,119	1,335	1,040	1,090	930	1,146	1,015	1,228	1,204	1,213	2,812	2,824	2,661	2,734	2,350
Florida	29	33	26	37	44	28	29	25	36	50	581	566	557	640	720	36	34	29	48	75
Georgia	289	350	265	355	400	273	315	260	350	425	595	564	631	555	779	365	370	342	405	690
Kansas	1	1	2	2	20	1	1	0	1	2	360	373	240	280	320	1	1	0	1	1
Louisiana	675	735	645	810	900	645	645	620	790	800	716	705	672	715	810	984	948	868	1,177	1,350
Mississippi	1,110	1,230	1,050	1,230	1,300	1,088	1,190	1,020	1,220	1,240	753	736	732	728	832	1,761	1,825	1,555	1,850	2,150
Missouri	215	245	214	248	270	207	242	209	235	275	666	607	618	641	698	306	306	269	314	400
New Mexico 3/	67	77	61	69	65	60	69	55	62	63	710	710	698	735	686	94	102	80	95	90
North Carolina	123	126	112	201	450	122	124	110	200	456	553	515	615	631	663	153	133	141	263	630
Oklahoma	406	460	370	380	440	379	435	340	370	420	367	334	244	496	366	299	303	173	382	320
South Carolina	132	145	120	155	210	129	142	118	154	208	496	473	626	452	715	139	140	154	145	310
Tennessee	461	535	465	525	620	455	530	460	515	615	543	529	497	461	492	556	584	476	495	630
Texas 3/	5,060	5,600	4,650	5,500	6,500	4,380	5,300	3,750	5,000	6,000	459	472	367	477	464	4,577	5,215	2,870	4,965	5,800
Virginia	3	3	3	5	16	3	3	3	5	18	501	510	498	562	675	3	3	3	6	25
Total:																				
Upland	10,971	12,325	10,210	12,117	13,957	10,137	11,759	9,166	11,505	13,235	634	615	602	632	645	14,261	15,077	11,504	15,141	17,781
American-Pima	209	190	377	231	236	207	189	372	227	244	874	848	893	758	856	402	334	692	359	434
United States	11,180	12,515	10,587	12,348	14,193	10,344	11,948	9,538	11,732	13,479	639	619	614	634	649	14,663	15,412	12,196	15,499	18,215

1/ Crop Production report, November 1991. 2/ Bales of 480 pounds net weight. 3/ Upland only.

Appendix table 2--U.S. cotton supply and use, by type, 1980/81-1990/91

Crop year	Area			Supply				Disappearance					Farm price 5/
	Planted	Harvested	Yield	Begin- ning stocks 1/	Produc- tion 2/	Imports	Total	Mill use 3/	Exports	Total	Unac- counted 4/	Ending stocks	
	--1,000 acres--		Lbs/ acre	-----1,000 480 lb bales-----							Cents/ Lb		
All types:													
1980	14,534	13,215	404	3,000	11,122	27	14,149	5,891	5,926	11,817	336	2,668	74.7
1981	14,330	13,841	542	2,668	15,646	26	18,340	5,264	6,567	11,831	123	6,632	54.3
1982	11,345	9,734	590	6,632	11,963	20	18,615	5,512	5,207	10,719	41	7,937	59.4
1983	7,926	7,348	508	7,937	7,771	12	15,721	5,928	6,786	12,714	-232	2,775	66.4
1984	11,145	10,379	600	2,775	12,982	24	15,781	5,540	6,215	11,755	76	4,102	57.8
1985	10,685	10,229	630	4,102	13,432	33	17,567	6,399	1,960	8,359	140	9,348	56.3
1986	10,045	8,468	552	9,348	9,731	3	19,082	7,452	6,684	14,136	80	5,026	52.4
1987	10,397	10,030	706	5,026	14,760	2	19,788	7,617	6,582	14,199	182	5,771	64.3
1988	12,515	11,948	619	5,771	15,411	5	21,187	7,782	6,148	13,930	-165	7,092	56.6
1989	10,587	9,538	614	7,092	12,196	2	19,290	8,759	7,694	16,453	163	3,000	65.6
1990	12,348	11,732	634	3,000	15,499	4	18,503	8,657	7,793	16,450	291	2,344	68.1
1991 6/	14,101	13,479	649	2,344	18,251	10	20,569	9,100	7,200	16,300	131	4,400	7/
Upland:													
1980	14,461	13,143	402	2,962	11,018	26	14,006	5,828	5,893	11,721	329	2,614	75.8
1981	14,272	13,783	542	2,614	15,566	18	18,198	5,216	6,555	11,771	140	6,567	55.4
1982	11,274	9,663	589	6,567	11,864	12	18,443	5,457	5,194	10,651	52	7,844	59.5
1983	7,863	7,285	506	7,844	7,676	8	15,529	5,861	6,750	12,611	-225	2,693	65.3
1984	11,065	10,299	599	2,693	12,851	21	15,566	5,491	6,125	11,616	74	4,024	58.7
1985	10,601	10,145	628	4,024	13,277	33	17,334	6,338	1,855	8,193	148	9,289	56.8
1986	9,933	8,357	547	9,289	9,525	3	18,817	7,385	6,570	13,955	80	4,942	51.5
1987	10,259	9,894	702	4,942	14,475	2	19,419	7,565	6,345	13,910	209	5,718	63.7
1988	12,325	11,759	615	5,718	15,077	5	20,800	7,711	5,883	13,594	-180	7,026	55.6
1989	10,210	9,166	602	7,026	11,504	2	18,532	8,686	7,242	15,928	194	2,798	63.6
1990	12,117	11,505	632	2,798	15,141	4	17,943	8,592	7,378	15,970	289	2,262	67.1
1991 6/	13,855	13,235	645	2,262	17,781	10	20,053	9,030	6,875	15,905	141	4,289	7/
Extra-long staple:													
1980	72.5	71.7	698	38	104.2	1	143	63	33	96	7	54	108.0
1981	58.6	58.0	659	54	79.6	8	142	48	12	60	-17	65	96.9
1982	70.9	70.5	672	65	98.7	8	172	56	13	69	-10	93	101.0
1983	63.0	62.7	725	93	94.7	4	192	67	36	103	-7	82	107.0
1984	80.1	79.6	786	82	130.4	3	215	49	90	139	2	78	92.8
1985	84.0	83.6	891	78	155.1	0	233	61	105	166	-8	59	91.8
1986	111.5	111.1	890	59	205.9	0	265	67	114	175	0	84	89.9
1987	137.9	136.6	1,000	84	284.6	0	369	52	237	289	-27	53	104.0
1988	189.6	189.1	848	53	334.2	0	387	71	265	336	15	66	118.0
1989	376.9	371.7	893	66	691.7	0	758	73	452	525	-31	202	97.1
1990	231.3	227.1	758	202	358.5	0	561	65	415	480	2	82	110.0
1991 6/	246.2	243.5	856	82	434.1	0	516	70	325	395	-10	111	7/

1/ 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. 5/ Marketing year average, with no allowance for unredeemed loans. 6/ Estimated.  
7/ USDA is prohibited by law from publishing cotton price forecasts.

Appendix table 3--U.S. cotton supply and disappearance of all kinds, by month, 1988/89-1991/92 1/

Date	Supply					Disappearance					Ending stocks 7/	
	-----Beginning stocks 2/-----				Ginnings 5/	Imports	Total supply	Mill use 6/	Exports	Total use		Unac-counted
	At mills	Public storage 3/	Other 4/	Total								
1,000 480-lb bales												
1988/89:												
Aug	737	4,863	170	5,771	826	0	6,597	692	265	957		5,639
Sep	677	4,614	348	5,639	1,515	0	7,154	634	265	899		6,256
Oct	607	5,235	414	6,256	4,734	0	11,990	603	235	838		10,151
Nov	589	8,569	992	10,151	4,940	0	15,092	597	398	995		14,096
Dec	580	12,241	1,275	14,096	2,618	0	16,714	512	670	1,182		15,533
Jan	596	14,074	863	15,533	674	1	16,208	648	483	1,131		15,077
Feb	614	12,677	787	15,077	104	0	15,181	609	738	1,347		13,834
Mar	654	12,491	689	13,834	0	1	13,835	722	629	1,351		12,484
Apr	636	11,029	819	12,484	0	0	12,484	650	627	1,277		11,207
May	652	9,744	810	11,207	0	1	11,208	771	682	1,453		9,755
Jun	671	8,501	583	9,755	0	1	9,756	731	254	985		8,770
Jul	631	7,085	1,054	8,770	0	1	8,771	613	902	1,515	(165)	7,092
Season	737	4,863	170	5,771	15,411	5	21,187	7,782	6,148	13,930	(165)	7,092
1989/90:												
Aug	632	6,179	281	7,092	392	0	7,484	831	507	1,338		6,146
Sep	626	5,190	330	6,146	613	0	6,759	753	492	1,245		5,514
Oct	616	4,658	240	5,514	4,944	0	10,458	792	522	1,314		9,144
Nov	575	7,694	875	9,144	4,658	0	13,802	731	520	1,251		12,551
Dec	566	10,997	988	12,551	1,224	0	13,775	579	682	1,261		12,514
Jan	607	11,187	720	12,514	229	0	12,743	754	875	1,629		11,114
Feb	687	9,898	529	11,114	136	0	11,250	690	797	1,487		9,763
Mar	717	8,371	675	9,763	0	1	9,764	757	997	1,754		8,010
Apr	723	6,822	465	8,010	0	0	8,010	711	734	1,445		6,565
May	712	5,662	191	6,565	0	0	6,565	800	590	1,390		5,176
Jun	701	4,385	90	5,176	0	1	5,177	721	538	1,259		3,918
Jul	694	3,314	(90)	3,918	0	0	3,918	641	440	1,081	163	3,000
Season	632	6,179	281	7,092	12,196	2	19,290	8,759	7,694	16,453	163	3,000
1990/91:												
Aug	697	2,270	33	3,000	597	0	3,597	829	544	1,373		2,224
Sep	644	1,679	(99)	2,224	2,087	0	4,311	692	412	1,104		3,207
Oct	550	2,541	116	3,207	5,470	0	8,677	802	377	1,179		7,498
Nov	539	6,368	591	7,498	4,587	0	12,085	687	718	1,405		10,680
Dec	531	9,232	917	10,680	2,134	0	12,814	490	769	1,259		11,555
Jan-Mar	600	10,207	748	11,555	624	2	12,181	2,152	3,116	5,268		6,913
Apr-Jun	689	5,682	542	6,913	0	1	6,914	2,311	1,648	3,959		2,955
Jul	751	2,592	(388)	2,955	0	1	2,956	694	209	903	291	2,344
Season	697	2,270	33	3,000	15,499	4	18,503	8,657	7,793	16,450	291	2,344
1991/92: 8/												
Aug-Sep	603	1,781	(40)	2,344	2,536	9	4,889	1,596	351	1,947		2,942
Oct-Dec	593	2,285	64	2,942								

1/ Compiled from Bureau of the Census data and adjusted to 480-lb. net weight basis. 2/ August stocks adjusted to an August 1 basis, excluding preseason ginnings. 3/ Adjusted to 480-lb. bales by use of monthly conversion factors for mill stocks. 4/ Primarily 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. 7/ Supply less disappearance. End-of-season stocks adjusted by Bureau of the Census data. Differences primarily reflect varying bale weights. Monthly data are rounded. 8/ Preliminary and estimated.

Appendix table 4--Index of prices of selected cotton growth and qualities, and price per pound of U.S. cotton, c.i.f. Northern Europe, 1984-91 1/

Year beginning August 1	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Average
Cents/lb													
<b>A-Index: 2/</b>													
1984	75.52	73.16	73.63	72.64	71.98	71.40	69.21	67.34	66.26	65.07	62.85	61.10	69.18
1985	56.97	53.43	49.01	48.04	48.25	51.82	54.52	52.35	48.50	45.42	41.04	37.44	48.90
1986	37.16	43.50	51.23	52.81	59.17	65.68	65.85	63.09	66.21	76.60	79.30	83.24	61.99
1987	86.60	83.61	76.19	75.83	75.29	72.19	67.49	66.34	65.75	65.58	68.78	63.43	72.26
1988	57.74	56.75	57.64	58.61	61.26	63.13	62.96	66.02	73.75	77.34	78.82	83.01	66.42
1989	82.97	81.45	82.10	82.13	77.30	74.92	76.92	79.21	83.01	86.85	90.30	90.88	82.34
1990	80.97	81.41	81.51	82.72	83.60	83.36	85.16	83.65	83.24	84.37	83.76	80.70	82.87
1991	72.90	69.94	67.62										
<b>Memphis: 3/</b>													
1984	75.85	74.00	74.69	73.25	74.00	74.75	72.94	73.70	75.94	74.80	72.44	70.38	73.90
1985	68.20	67.94	68.56	68.45	67.67	69.15	70.07	71.75	72.88	73.55	41.25	38.05	64.79
1986	37.75	44.69	52.35	54.25	62.08	65.31	64.75	62.56	65.30	75.06	76.19	81.75	61.84
1987	87.38	83.06	76.75	76.44	74.95	72.75	69.81	70.75	72.38	75.31	79.95	76.56	76.34
1988	60.75	60.45	62.13	63.94	65.81	67.19	68.06	69.95	74.06	76.88	77.85	82.75	69.15
1989	85.15	82.56	83.31	82.10	76.34	75.19	77.12	80.15	84.56	88.90	92.69	95.88	83.57
1990	80.50	81.69	82.44	83.20	84.00	85.50	93.75	94.69	96.75	99.30	NQ	NQ	88.18
1991	75.50	73.13	70.30										
<b>Calif./Ariz.: 3/</b>													
1984	75.90	74.38	75.19	74.00	74.08	74.25	72.13	72.94	75.81	73.70	71.94	70.63	73.75
1985	68.55	67.38	68.25	68.15	67.17	68.45	69.19	70.75	72.25	73.25	40.25	35.95	64.13
1986	36.69	45.44	54.55	57.00	65.75	69.25	68.44	64.69	67.65	78.75	80.63	86.65	64.62
1987	91.81	87.81	80.95	79.19	78.25	76.25	73.50	74.80	76.13	78.63	81.80	76.75	79.66
1988	64.19	64.10	65.94	66.13	67.31	69.13	69.94	72.10	76.56	80.50	82.40	86.19	72.04
1989	87.00	84.38	85.31	84.10	79.42	79.50	81.12	84.10	88.19	92.20	95.38	95.13	86.25
1990	85.45	87.31	88.00	88.30	89.00	90.15	97.13	96.75	97.75	NQ	NQ	NQ	91.09
1991	78.50	75.94	72.45										
<b>B-Index: 4/</b>													
1984	69.26	66.11	65.18	64.50	63.48	61.96	58.58	54.55	54.78	54.98	52.21	48.98	59.55
1985	47.03	45.35	43.61	41.42	40.83	43.15	45.14	43.19	40.88	38.70	33.03	28.77	40.93
1986	27.46	32.55	40.19	43.95	52.32	60.88	61.41	58.00	61.33	71.40	72.90	76.96	54.95
1987	81.55	78.44	70.77	71.73	71.08	68.15	64.21	62.69	61.30	59.50	62.73	57.88	67.50
1988	52.76	51.75	53.24	53.28	56.18	58.45	57.55	61.64	67.56	71.89	74.56	77.15	61.33
1989	78.64	76.70	77.08	77.19	73.49	71.20	73.01	74.98	77.14	80.55	83.21	84.39	77.30
1990	77.58	77.44	76.98	77.70	78.25	76.72	78.56	78.24	77.86	79.13	77.05	75.65	77.60
1991	70.72	68.28	64.58										
<b>Orleans/Texas: 5/</b>													
1984	68.65	66.44	66.25	65.40	65.08	65.94	63.88	62.15	62.69	62.40	61.13	60.50	64.21
1985	60.90	61.00	61.69	61.65	61.58	61.50	61.75	62.07	62.13	63.85	31.32	27.80	56.44
1986	27.44	32.56	41.55	44.81	53.17	59.13	60.81	57.50	60.10	68.94	70.56	75.40	54.33
1987	80.94	77.44	71.40	70.69	69.65	68.19	65.56	66.95	67.38	69.88	72.30	66.25	70.55
1988	54.56	53.30	54.50	55.56	57.88	59.94	60.81	62.40	67.19	71.31	73.35	76.63	62.29
1989	79.15	76.31	76.88	75.90	72.92	72.19	73.62	75.50	78.87	82.65	84.50	84.69	77.68
1990	76.20	77.56	77.75	77.50	75.83	76.40	82.19	81.25	81.13	81.70	76.75	78.58	
1991	70.15	68.31	64.80										

1/ All prices are based on Thursday quotes. 2/ The A-Index is an average of the five lowest priced types of SLM 1-3/32 inch staple length cotton offered on the European market. 3/ The Memphis and California/Arizona territories are based on middling 1-3/32 inch. 4/ The B-Index is based on coarse grades of cotton varying in staple length from 1 to 1-3/32 inch. 5/ Based on SLM 1 inch cotton.

Source: Cotton Outlook, Liverpool Cotton Services, Ltd.



Appendix table 5--C.i.f. Northern European price quotations for principal growth of A-type cotton, weekly, August 1991 to date

Month & week	California/ Arizona	Memphis territory	USSR	China	Africa	Central America	Australia	Turkey	Paraguay	Mexico	Pakistan	India 1/	A-Index 2/
U.S. cents/lb													
Aug. 1	80.75	77.75	73.50	84.00	73.50	80.25	81.25	82.00	74.00	77.25	75.25	NQ	74.70
8	81.25	78.25	73.50	84.75	73.50	80.25	81.75	82.00	73.50	77.75	75.75	NQ	74.80
15	75.25	72.25	71.00	83.25	71.00	75.50	76.25	80.00	70.00	73.50	71.75	NQ	71.20
22	77.25	74.25	71.25	84.50	71.00	77.50	76.50	81.75	70.25	75.50	73.00	NQ	71.95
29	78.00	75.00	70.00	83.50	71.00	77.50	NQ	81.75	70.00	75.25	73.25	NQ	71.85
Sept. 5	77.75	74.75	68.50	84.50	70.75	77.25	NQ	81.25	69.00	73.25	73.25	NQ	70.95
12	75.50	72.75	66.75	83.50	70.00	76.25	NQ	80.25	68.00	72.00	72.50	NQ	69.85
19	76.00	73.25	66.50	81.75	69.00	76.50	NQ	79.75	68.50	72.25	73.00	NQ	69.85
26	74.50	71.75	66.50	81.75	67.75	75.75	NQ	79.25	68.00	71.50	72.25	NQ	69.10
Oct. 3	74.00	71.75	65.50	82.25	67.50	75.50	NQ	77.25	68.00	70.75	72.00	NQ	68.70
10	73.50	71.25	65.00	82.75	67.25	74.00	NQ	76.25	68.00	70.75	71.25	NQ	68.45
17	73.00	70.75	65.00	82.25	66.75	73.00	NQ	76.00	67.00	70.25	70.25	NQ	67.85
24	71.50	69.50	64.75	80.25	66.00	72.00	NQ	75.50	66.25	69.75	70.25	NQ	67.25
31	70.25	68.25	63.75	77.25	64.25	71.00	NQ	75.25	64.75	69.00	68.25	NQ	65.85
Nov. 7	68.25	66.25	62.25	77.00	64.25	68.00	NQ	72.25	63.25	66.00	66.00	NQ	64.35
14	66.75	64.50	61.00	75.50	62.75	66.00	NQ	68.00	61.50	63.75	64.50	NQ	62.70
21	68.25	66.00	61.00	72.50	62.75	66.00	NQ	68.00	62.25	64.25	64.75	NQ	63.00

NQ = No quotes.

1/ Since August 1, 1991, Indian-type H-4 has been included in the A-Index selection.

2/ The A-index is an average of the five lowest priced types of SLM 1-3/32 inch staple cotton offered on the European market.

Source: Cotton Outlook, Liverpool Cotton Services, Ltd.

Appendix table 6--C.i.f. Northern Europe price quotation for principal growth of coarse count cotton, weekly, August 1991 to date.

Month & week	Orleans/ Texas	Pakistan	China	USSR	Turkey	Southern Brazil	Argentina	India 1/	B- Index 2/
cents/lb									
Aug. 1	72.25	70.00	NQ	NQ	74.00	NQ	NQ	NQ	72.10
8	73.00	70.50	NQ	NQ	74.50	NQ	NQ	NQ	72.65
15	67.00	66.50	NQ	NQ	71.75	NQ	NQ	NQ	68.40
22	69.00	67.75	NQ	NQ	73.50	NQ	NQ	NQ	70.10
29	69.50	68.00	NQ	NQ	73.50	NQ	NQ	NQ	70.35
Sept. 5	69.50	68.00	NQ	NQ	73.00	NQ	NQ	NQ	70.15
12	68.00	67.25	NQ	NQ	72.00	NQ	NQ	NQ	69.10
19	68.75	67.75	NQ	NQ	71.50	NQ	NQ	NQ	67.35
26	67.00	67.00	NQ	65.50	71.00	NQ	NQ	NQ	66.50
Oct. 3	66.50	66.75	NQ	64.50	69.00	NQ	NQ	NQ	65.90
10	66.00	66.00	NQ	64.00	68.00	NQ	NQ	NQ	65.35
17	65.00	65.00	NQ	64.00	67.00	NQ	NQ	NQ	64.65
24	64.00	65.00	NQ	63.75	66.25	NQ	NQ	NQ	64.25
31	62.50	63.00	NQ	62.75	66.00	NQ	NQ	NQ	62.75
Nov. 7	62.00	60.75	NQ	60.75	66.00	NQ	NQ	NQ	61.15
14	61.00	59.25	NQ	59.25	62.50	NQ	NQ	NQ	59.85
21	62.25	59.50	NQ	59.25	62.50	NQ	NQ	NQ	60.35

NQ = No quotes.

1/ Since August 1, 1991, Indian-type J-34 has been included in the B-Index selection.

2/ The B-Index is based on coarse grades of cotton varying in staple length from 1 inch to 1-3/32 inch. It is an average of the three cheapest types of eight styles, so marked.

Source: Cotton Outlook, Liverpool Cotton Services, Ltd.

Appendix table 7--Strict low middling spot prices in designated U.S. markets, loan rates, and prices received by farmers for upland cotton, 1984/85-1991/92

Year beginning August 1	Average spot market prices per pound (net weight) 1/						Price received by farmers (net weight) 2/
	15/16 inch	1 inch	1-1/32 inch	1-1/16 inch	1-3/32 inch	1-1/8 inch	
Cents/lb							
1984/85	52.39	55.98	58.30	60.51	60.29	60.49	3/ 58.7
1985/86	52.16	55.81	57.87	60.01	59.62	59.77	3/ 56.8
1986/87	44.80	47.77	50.78	53.16	53.81	55.89	3/ 51.5
1987/88	57.38	59.33	60.81	63.13	63.63	64.45	3/ 63.7
1988/89	49.02	52.32	53.99	57.67	58.14	59.51	3/ 55.6
1989/90	60.73	64.89	66.62	69.78	70.23	70.64	3/ 63.6
1990/91:							
August	66.02	71.01	73.30	76.27	76.69	76.78	64.6
September	59.22	66.21	67.50	71.01	71.43	71.52	65.0
October	58.99	66.13	67.09	70.54	70.97	71.06	67.5
November	60.54	65.01	66.06	69.48	69.97	70.07	68.0
December	58.70	64.61	66.20	69.92	70.43	70.63	65.9
January	58.17	64.70	66.78	70.50	71.09	71.29	64.2
February	64.27	71.78	74.22	77.69	78.45	78.65	67.9
March	65.13	72.24	74.74	77.92	78.63	78.78	68.5
April	65.55	73.60	76.71	79.94	80.65	80.78	70.8
May	68.21	76.94	80.90	83.94	84.60	84.73	68.9
June	65.65	72.34	76.22	79.05	79.69	79.81	67.2
July	59.40	65.26	68.54	71.33	71.99	72.08	65.7
Season	62.49	69.15	71.52	74.80	75.38	75.52	66.4
1991/92:							
August	55.81	60.88	64.19	66.44	66.88	66.97	66.9
September	53.46	57.61	59.68	62.39	62.75	62.84	65.2
October	53.16	55.01	55.60	58.28	58.63	58.72	62.4
Loan rate 4/	43.62	46.27	48.47	50.77	51.27	51.42	

1/ 1991/92 spot market loan rates and prices are for cotton with micronaire readings of 3.5 and -3/6 and 4.3-4.9 and strength of 24-25 gpt. 2/ Prices do not include an allowance for loans outstanding and Government purchases. 3/ Weighted market average. U.S. prices based on U.S. monthly prices weighted by monthly marketings from August through the following July. 4/ SLM 1-1/16 inch average location.

Source: Agricultural Stabilization and Conservation Service, Agricultural Marketing Service, and National Agricultural Statistics Service, USDA.

Appendix table 8--Fiber prices: Landed Group B mill point, cotton prices, and manmade staple fiber prices, f.o.b. producing plants, actual and estimated raw fiber equivalent, 1984-91

Calendar year	Cotton 1/		Rayon 2/		Polyester 3/		Price ratios 4/	
	Actual	Raw fiber equivalent 5/	Actual	Raw fiber equivalent 5/	Actual	Raw fiber equivalent 5/	Cotton/ rayon	Cotton/ polyester
	Cents/lb						Percent	
1984	76	84	84	88	79	82	.95	1.02
1985	66	73	79	82	66	69	.89	1.06
1986	61	68	76	79	62	65	.86	1.04
1987	73	81	81	84	66	69	.96	1.18
1988	65	72	91	94	74	77	.77	.94
1989	72	80	110	114	86	89	.70	.90
1990:								
January	70	78	119	124	89	93	.63	.84
February	72	80	119	124	89	93	.65	.86
March	76	84	119	124	89	93	.68	.91
April	78	87	119	124	89	93	.70	.94
May	82	91	119	124	85	89	.74	1.03
June	87	97	119	124	82	85	.78	1.13
July	87	96	119	124	78	81	.78	1.19
August	84	93	119	124	78	81	.75	1.14
September	79	88	119	124	78	81	.71	1.08
October	78	87	122	127	78	81	.68	1.07
November	79	87	122	127	78	81	.69	1.07
December	80	89	124	129	78	81	.69	1.09
Average	79	88	120	125	83	86	.71	1.03
1991:								
January	80	89	124	129	78	81	.69	1.10
February	87	96	124	129	78	81	.75	1.19
March	90	100	124	129	78	81	.77	1.23
April	90	99	124	129	72	75	.77	1.33
May	94	104	124	129	72	75	.80	1.39
June	89	99	124	129	72	75	.76	1.32
July	80	89	124	129	72	75	.69	1.18
August	75	83	124	129	72	75	.64	1.11
September	72	80	124	129	72	75	.62	1.06
October	68	75	116	121	72	75	.62	1.00

1/ SLM 1-1/16" at Group B mill points, net weight. 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/ Raw fiber equivalent. 5/ Actual prices converted to estimated raw fiber equivalent as follows: cotton, divided by 0.90; rayon and polyester, divided by 0.96.

Source: Agricultural Marketing Service, USDA and trade reports.

Appendix table 9--Upland cotton and manmade staple fibers: Mill consumption on cotton-system spinning spindles

Year beginning August 1	Cotton	Manmade			Total fibers	Cotton's share of total
		Rayon and acetate	Non-cellulosic	Total		
		1,000 lbs			Percent	
1984/85	2,618,685	231,197	1,336,595	1,567,792	4,186,477	62.6
1985/86	3,086,842	253,459	1,465,228	1,718,687	4,805,529	64.2
1986/87	3,544,852	256,711	1,481,822	1,738,593	5,283,445	67.1
1987/88	3,631,397	268,813	1,481,923	1,750,736	5,382,133	67.5
1988/89	3,687,330	285,742	1,397,434	1,683,176	5,370,506	68.7
1989/90:						
August	341,268	22,314	110,610	132,924	474,192	72.0
September	426,587	27,016	139,980	166,996	593,583	71.9
October	342,841	22,158	108,625	130,783	473,624	72.4
November	318,521	21,230	100,920	122,150	440,671	72.3
December	338,660	24,509	115,126	139,635	478,295	70.8
January	311,880	20,837	103,387	124,224	436,104	71.5
February	326,173	21,676	106,984	128,660	454,833	71.7
March	408,802	28,199	129,921	158,120	566,922	72.1
April	322,064	22,513	107,950	130,463	452,527	71.2
May	330,531	24,393	107,200	131,593	462,124	71.5
June	410,050	28,345	126,947	155,292	565,342	72.5
July	277,834	18,640	87,503	106,143	383,977	72.4
Season	4,155,211	281,830	1,345,153	1,626,983	5,782,194	71.9
1990/91:						
August	338,321	24,197	105,064	129,261	467,582	72.4
September	414,261	30,511	126,528	157,039	571,300	72.5
October	333,106	22,590	102,249	124,839	457,945	72.7
November	301,969	18,891	96,245	115,134	417,103	72.4
December	296,625	19,441	95,312	114,753	411,378	72.1
Jan-Mar	1,025,330	55,931	298,609	354,540	1,379,870	74.3
Apr-Jun	1,100,731	65,274	311,688	376,962	1,477,693	74.5
Jul-Sep 1/	1,091,164	65,110	315,315	380,425	1,471,589	74.1

1/ Preliminary.

Source: Bureau of the Census.

Appendix table 10--U.S. upland cotton exports by country of destination

Country	1988/89 Staple length				1989/90 Staple length				1990/91 Staple length			
	1-inch and under	1-inch to 1-1/8 inch	1-1/8 inch and over	Total	1-inch and under	1-inch to 1-1/8 inch	1-1/8 inch and over	Total	1-inch and under	1-inch to 1-1/8 inch	1-1/8 inch and over	Total
	1,000 480-lb. bales											
<b>Asia &amp; Oceania:</b>												
Bangladesh	5.7	49.3	2.8	57.8	4.2	110.7	8.3	123.2	4.6	37.4	--	42.0
China	--	764.3	28.8	793.1	--	629.1	40.8	669.9	18.3	1,172.5	42.1	1,232.9
Hong Kong	0.7	98.5	9.2	108.4	19.6	215.7	7.5	242.8	35.7	267.6	2.2	305.5
Indonesia	8.3	279.1	16.1	303.5	10.2	459.6	23.8	493.6	36.9	500.0	8.9	545.8
Japan	60.8	1,215.4	23.9	1,300.1	53.3	1,441.7	2.1	1,497.1	183.5	1,135.1	--	1,318.6
Korea	15.8	1,169.8	94.6	1,280.2	12.5	1,245.3	66.2	1,324.0	71.0	1,005.7	46.8	1,123.5
Philippines	0.5	48.8	0.8	50.1	16.9	108.2	8.1	133.2	18.6	113.6	--	132.2
Taiwan	44.6	198.2	11.0	253.8	23.8	287.1	4.0	314.9	83.2	265.7	0.4	349.3
Thailand	0.9	164.3	5.6	170.8	5.2	349.0	16.5	370.7	19.8	281.3	8.9	310.0
<b>Eastern Community:</b>												
Belgium	--	41.6	3.4	45.0	--	45.3	3.0	48.3	7.2	35.7	4.0	46.9
France	--	5.4	2.9	8.3	--	16.7	2.6	19.3	5.4	6.4	0.6	12.4
Germany	1.5	163.2	51.6	216.3	--	209.1	74.8	283.9	8.1	120.0	44.1	172.2
Ireland	--	40.7	3.2	43.9	--	41.3	1.3	42.6	3.2	25.6	3.9	32.7
Italy	2.9	169.8	30.2	202.9	1.1	303.9	56.5	361.5	31.5	266.5	49.7	347.7
Portugal	0.9	20.7	2.4	24.0	--	26.3	12.5	38.8	10.6	36.5	4.0	51.1
Spain	1.6	37.0	2.7	41.3	--	124.9	22.0	146.9	2.6	86.7	13.5	102.8
United Kingdom	--	31.9	4.7	36.6	--	62.6	9.6	72.2	0.8	28.3	4.4	33.5
<b>Other Europe:</b>												
Poland	--	15.9	--	15.9	--	58.7	--	58.7	--	24.3	--	24.3
Sweden	--	15.8	--	15.8	--	19.4	2.5	21.9	3.0	19.3	--	22.3
Switzerland	--	24.8	--	24.8	--	22.1	--	22.1	1.9	29.2	--	31.1
Turkey	--	89.0	7.5	96.5	--	97.3	21.0	118.3	27.8	51.0	4.7	83.5
Yugoslavia	--	5.3	6.6	11.9	--	11.8	1.7	13.5	--	11.2	4.2	15.4
<b>Western Hemisphere:</b>												
Canada	0.8	96.4	51.0	148.2	3.5	127.6	65.5	196.6	11.8	135.6	43.6	191.0
Mexico	0.3	12.1	7.0	19.4	10.5	94.0	12.3	116.8	38.0	138.6	25.2	201.8
<b>Africa:</b>												
Egypt	--	102.3	--	102.3	--	242.2	--	242.2	--	211.0	31.6	242.6
Ghana	--	5.6	--	5.6	0.5	12.2	--	12.7	--	11.9	--	11.9
Morocco	--	15.1	--	15.1	--	26.2	--	26.2	--	30.9	1.6	32.5
Algeria	4.5	61.4	--	65.9	--	26.2	--	26.2	--	71.4	0.1	71.5
<b>Other</b>	2.9	337.2	85.4	425.5	5.1	178.0	20.8	203.9	28.9	238.4	23.7	291.0
<b>Total</b>	152.7	5,278.9	451.4	5,883.0	166.4	6,592.2	483.4	7,242.0	652.4	6,357.4	368.2	7,378.0

-- = No exports.

Source: Bureau of the Census.

Appendix table 11-American pima exports by country of destination

Country	Marketing year			
	1987/88	1988/89	1989/90	1990/91
	-----1,000 bales-----			
European Community:	113.5	103.2	183.2	139.7
Belgium	5.4	3.8	11.3	4.7
France	1.7	1.2	0.9	--
Germany	67.5	53.1	83.4	41.8
Greece	3.2	0.2	1.2	6.0
Italy	27.7	35.7	69.5	77.6
Portugal	3.3	4.4	9.7	4.4
Spain	4.2	4.1	4.6	2.4
Other Europe:	25.2	35.2	89.0	56.1
Austria	1.7	1.6	4.7	1.3
Czechoslovakia	--	1.9	1.4	3.8
Switzerland	15.8	20.2	32.7	32.0
Turkey	0.9	0.7	1.4	2.8
Yugoslavia	6.4	11.0	9.4	5.8
Japan	53.1	81.2	96.4	118.5
China	--	2.2	0.1	--
Taiwan	0.5	0.1	5.6	8.4
Other Asia and Oceania:	35.7	36.6	67.1	82.1
Bangladesh	2.4	3.2	7.1	13.4
Indonesia	2.2	3.0	5.8	15.6
Iraq	3.7	5.6	2.3	--
Korea	22.1	22.3	40.5	44.3
Pakistan	2.5	1.7	5.4	1.3
Thailand	1.7	0.9	4.7	7.4
Africa:	1.3	5.0	4.8	6.7
Algeria	--	5.0	--	6.0
South Africa	1.3	--	0.4	0.4
Western Hemisphere:	7.8	0.9	5.7	4.0
Argentina	0.5	--	0.7	--
Brazil	--	--	3.8	4.0
Chile	0.6	0.8	0.7	--
Total	237.1	264.4	451.9	415.4

-- = No exports.

Source: U.S. Export Sales, Foreign Agricultural Service, USDA.

Appendix table 12-U.S. Raw cotton imports by country of origin

Country	Marketing year										
	1980/81	1981/82	1982/83	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91
	-----Bales-----										
Barbados	0	0	0	0	0	4	19	0	0	0	0
Canada	2	0	6	0	0	0	4	0	0	174	0
China	0	0	0	0	162	49	17	0	9	603	0
Egypt	715	3,016	4,928	2,978	3,286	0	219	0	0	58	56
Germany	0	370	0	0	0	0	0	0	0	0	0
Guatemala	1,047	0	0	0	0	0	0	0	0	0	0
India	0	0	18	89	37	0	446	116	158	115	107
Mexico	25,634	17,218	11,776	5,818	19,520	32,438	1,726	1,372	0	0	2,063
Pakistan	81	0	155	769	702	402	189	81	825	706	232
Peru	22	2,983	772	0	0	0	0	0	0	0	0
Russia (USSR)	0	2,008	0	0	0	0	0	0	4,287	0	1,056
Singapore	0	153	0	0	0	0	0	0	0	0	0
Sudan	0	430	2,360	2,365	2	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0	0	0	0	93	0
Other 1/	0	1	3	0	0	1	0	0	3	0	0
World total	27,501	26,179	20,018	12,019	23,709	32,894	2,620	1,569	5,282	1,749	3,514

0 = No imports.

1/ Argentina, France, Italy, Switzerland and Taiwan.

Appendix table 13--Cotton spindles in place and active, and hours operated, 1989-91

Date	Spindles		Percentage of active spindles used on			Daily average spindle hours operated		Total fiber spun per spindle hour
	In place	Active	100-percent cotton	100-percent manmade	Other fibers and blends	Actual	Seasonally adjusted	
	-----1,000-----		-----Percent-----			-----Million-----		Lbs
<b>1989:</b>								
January	12,077	11,267	38.4	13.8	47.8	288	286	.071
February	11,963	11,183	37.9	14.0	48.1	293	275	.071
March	11,925	11,102	38.5	14.0	47.5	289	276	.073
April	11,940	11,114	39.0	13.6	47.3	296	287	.074
May	11,866	11,072	39.3	13.6	47.1	300	289	.075
June	11,812	11,211	38.7	13.4	48.0	299	300	.075
July	11,669	10,794	39.7	14.0	46.2	301	257	.064
August	11,554	10,750	39.5	13.9	46.6	313	310	.074
September	11,468	10,735	39.4	13.8	46.8	317	314	.073
October	11,507	10,705	39.0	13.6	47.4	279	268	.083
November	11,509	10,676	39.4	14.1	46.5	293	284	.074
December	11,549	10,699	39.1	14.3	46.6	254	293	.073
<b>1990:</b>								
January	11,373	10,588	40.0	14.6	45.4	272	271	.079
February	11,287	10,700	39.8	15.7	44.5	278	264	.079
March	11,336	10,575	39.9	15.8	44.3	276	266	.080
April	11,287	10,520	39.6	15.7	44.8	271	262	.082
May	11,180	10,371	40.0	15.7	44.3	267	257	.085
June	11,167	10,265	40.0	16.2	43.7	255	252	.089
July	11,058	10,130	38.8	15.5	45.7	220	256	.088
August	10,894	10,018	38.7	15.2	46.2	264	257	.089
September	10,891	10,051	39.6	15.0	45.4	255	247	.090
October	10,637	9,816	38.5	15.3	46.2	260	248	.089
November	10,608	9,815	39.7	14.8	45.5	240	233	.089
December	10,541	9,706	39.3	15.0	45.7	196	225	.085
<b>1991:</b>								
Jan-Mar	10,690	9,758	39.0	14.9	46.0	233	NA	.093
Apr-Jun	10,372	9,649	40.6	14.8	44.0	241	NA	.095
Jul-Sep 1/	10,040	9,401	41.8	15.6	42.7	227	NA	.099

NA = Not available.  
1/ Preliminary.

Source: Bureau of the Census.

Appendix table 14--Mill consumption of cotton, wool, and manmade fibers, quarterly, 1986-91

Year	Cotton	Wool	Cellulosic		Noncellulosic	Total manmade	Total fibers	Cotton's share of total
			-----Million lbs-----					Percent
<b>1986</b>								
1Q	790.6	35.0	150.8	1,944.4	2,095.2	2,920.8	27.1	
2Q	810.7	36.0	153.5	1,976.1	2,129.6	2,976.3	27.2	
3Q	808.0	32.9	153.6	2,049.1	2,202.7	3,043.6	26.5	
4Q	849.7	32.8	150.4	2,074.8	2,225.2	3,107.7	27.3	
Total	3,259.0	136.7	608.3	8,044.4	8,652.7	12,048.4	27.0	
<b>1987</b>								
1Q	904.4	36.6	140.2	2,095.2	2,235.4	3,176.4	28.5	
2Q	939.8	37.5	143.2	2,152.2	2,295.4	3,272.7	28.7	
3Q	967.5	33.8	146.2	2,134.3	2,280.5	3,281.8	29.5	
4Q	941.5	34.9	156.0	2,098.4	2,254.4	3,230.8	29.1	
Total	3,753.2	142.8	585.6	8,480.1	9,065.7	12,961.7	29.0	
<b>1988</b>								
1Q	950.7	35.4	152.3	2,100.4	2,252.7	3,238.8	29.3	
2Q	883.5	33.9	159.0	2,152.2	2,311.2	3,228.6	27.4	
3Q	852.1	31.8	151.7	2,108.6	2,260.3	3,144.2	27.1	
4Q	821.7	31.6	149.9	2,233.8	2,383.7	3,237.0	25.4	
Total	3,508.0	132.7	612.9	8,595.0	9,207.9	12,848.6	27.3	
<b>1989</b>								
1Q	949.9	37.3	165.8	2,174.2	2,340.0	3,327.2	28.5	
2Q	1,033.3	35.9	159.9	2,234.0	2,393.9	3,463.1	29.8	
3Q	1,054.2	31.7	140.9	2,134.5	2,275.4	3,361.3	31.4	
4Q	1,008.7	29.8	134.2	2,074.1	2,208.3	3,246.8	31.1	
Total	4,046.1	134.7	600.8	8,616.8	9,217.6	13,398.4	30.2	
<b>1990</b>								
1Q	1,056.6	35.4	141.5	2,088.1	2,229.6	3,321.6	31.8	
2Q	1,071.1	34.7	144.7	2,163.0	2,307.7	3,413.5	31.4	
3Q	1,037.6	30.0	159.2	2,089.4	2,248.6	3,316.2	31.3	
4Q	938.1	32.6	153.5	2,107.6	2,261.1	3,231.8	29.0	
Total	4,103.4	132.7	598.9	8,448.1	9,047.0	13,283.1	30.9	
<b>1991</b>								
1Q	1,032.9	36.4	128.4	1,900.4	2,028.8	3,098.1	33.3	
2Q	1,109.5	41.8	141.2	2,175.5	2,316.7	3,468.0	32.0	
3Q	1,099.3	40.6	145.8	2,182.7	2,328.5	3,468.4	31.7	

NA = Not available.

Source: Bureau of the Census, and Fiber Organon.



Appendix table 15--U.S. fiber consumption: Total and per capita, by type of fiber, 1986-90

Fiber and year	U.S. mill use	Percent of fibers	Textile trade 1/		Total domestic consumption 2/	Percent of fibers	Per capita 3/	
			Exports	Imports			Mill use	Domestic consumption
			Million lbs	Percent			Million lbs	Percent
<b>Cotton:</b>								
1986	3,259.0	27.0	274.8	1,910.5	4,894.7	31.0	13.5	20.3
1987	3,753.2	28.9	298.0	2,335.7	5,790.9	33.7	15.4	23.7
1988	3,508.0	27.3	325.3	2,121.7	5,304.4	32.0	14.2	21.5
1989	4,046.1	29.8	467.2	2,304.8	5,883.7	34.7	16.3	23.6
1990	4,103.4	30.5	624.9	2,370.2	5,848.7	35.4	16.3	23.3
<b>Wool:</b>								
1986	136.7	1.1	16.0	275.6	396.3	2.5	0.6	1.6
1987	142.8	1.1	23.5	276.1	395.4	2.3	0.6	1.6
1988	132.7	1.0	30.7	248.7	350.7	2.1	0.5	1.4
1989	134.7	1.0	51.3	171.6	255.0	1.5	0.5	1.0
1990	132.7	1.0	47.3	156.9	242.3	1.5	0.5	1.0
<b>Manmade fibers:</b>								
1986	8,652.7	71.8	519.3	1,703.0	9,836.4	62.4	35.8	40.7
1987	9,065.7	69.9	591.9	1,805.4	10,279.2	59.9	37.2	42.1
1988	9,207.9	71.6	681.6	1,758.9	10,285.2	62.1	37.4	41.8
1989	9,184.5	68.0	921.5	1,790.3	10,086.4	59.4	37.0	40.5
1990	9,047.0	67.3	1,129.1	1,797.0	9,714.9	58.8	36.0	38.6
<b>Flax and silk:</b>								
1986	4.8	4/	NA	632.2	637.0	4.0	4/	2.6
1987	4.7	4/	NA	702.7	707.4	4.1	4/	2.9
1988	5.0	4/	NA	607.5	612.5	3.7	4/	2.5
1989	160.5	1.2	72.4	654.8	742.9	4.4	0.6	3.0
1990	149.9	1.1	87.4	656.6	719.1	4.4	0.6	2.9
<b>All fibers: 6/</b>								
1986	12,053.2	100.0	810.1	4,521.3	15,764.4	100.0	49.9	65.3
1987	12,966.4	100.0	913.4	5,119.9	17,172.9	100.0	53.2	70.4
1988	12,853.6	100.0	1,037.6	4,736.8	16,552.8	100.0	52.2	67.2
1989	12,558.9	100.0	1,512.4	4,921.5	16,968.0	100.0	54.5	68.2
1990	13,433.0	100.0	1,888.7	4,980.7	16,525.0	100.0	53.4	65.7

NA = Not available.

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/ January 1 population for 1986=241.6 million, 1987=243.9 million, 1988=246.3 million, 1989=248.8 million, and 1990=251.4 million. 4/ Less than 0.05 pounds, or 0.1 percent. 5/ Estimated. 6/ Includes flax and silk.

Source: Bureau of the Census.

Appendix table 16--Manmade fiber production and capacity, 1990-92 1/

Fiber	Annual 1987	Annual 1988	Annual 1989	-----1990-----					-----1991-----					-----1992-----					Average planned 1993 capacity	Annual change 1991-93 Percent
				1Q	2Q	3Q	4Q	Year	1Q	2Q	3Q	4Q	Year	1Q	2Q	3Q	4Q	Year		
-----Million lbs.-----																				
Grand total, all fibers 2/																				
Capacity	9,962	10,207	10,419	2,612	2,618	2,606	2,598	10,434	2,612	2,627	2,644	2,662	10,545	2,668	2,675	2,683	2,690	10,716	10,822	+1.3
Production	8,945	9,140	9,096	2,134	2,270	2,126	2,148	8,678	2,028	2,161	2,261									
Percent	90	90	87	82	87	82	83	83	78	82	86									
Total staple--																				
Capacity	5,166	5,283	5,317	1,258	1,271	1,249	1,228	5,006	1,261	1,269	1,276	1,284	5,090	1,284	1,285	1,290	1,295	5,154	5,180	+0.9
Production	4,721	4,746	4,653	1,057	1,133	1,037	1,059	4,286	978	1,031	1,113									
Percent	91	90	92	84	89	83	86	86	78	81	87									
Total filament-- 2/																				
Capacity	4,796	4,924	5,102	1,354	1,347	1,357	1,370	5,428	1,351	1,358	1,368	1,378	5,455	1,384	1,390	1,393	1,395	5,562	5,642	+1.7
Production	4,224	4,394	4,443	1,077	1,137	1,089	1,089	4,392	1,050	1,130	1,148									
Percent	88	89	83	80	84	80	79	81	78	83	84									
Polyester total:																				
Capacity	3,841	3,900	3,911	957	968	973	980	3,878	985	992	1,653	1,001	4,631	1,001	1,001	1,004	1,007	4,013	4,031	+0.7
Production	3,541	3,681	3,594	783	826	756	831	3,195	793	828	869									
Percent	92	95	92	82	85	78	85	83	81	83	87									
Staple--																				
Capacity	2,483	2,556	2,556	629	642	643	645	2,559	647	650	650	650	2,597	650	650	652	655	2,607	2,618	+0.4
Production	2,362	2,452	2,385	521	546	488	536	2,090	505	525	569									
Percent	95	96	93	83	85	76	84	82	78	81	88									
Filament--																				
Capacity	1,358	1,344	1,355	328	326	330	335	1,319	338	342	346	351	1,377	351	351	352	352	1,406	1,413	+1.3
Production	1,179	1,229	1,209	262	280	268	295	1,105	288	303	300									
Percent	87	91	89	80	86	81	88	84	85	89	87									
Nylon total:																				
Capacity	2,948	2,997	3,107	796	801	797	792	3,186	788	783	1,105	785	3,461	789	793	794	794	3,170	3,215	+1.2
Production	2,689	2,670	2,740	665	711	651	634	2,662	585	616	669									
Percent	91	89	88	84	89	82	80	84	74	79	85									
Staple--																				
Capacity	1,112	1,135	1,146	286	286	286	286	1,144	284	282	284	285	1,135	285	286	286	286	1,143	1,144	+0.4
Production	992	942	981	237	273	243	237	990	201	206	237									
Percent	89	83	86	83	95	85	83	87	71	73	83									
Filament--																				
Capacity	1,836	1,862	1,961	510	515	511	506	2,042	504	501	501	500	2,006	504	507	508	508	2,027	2,071	+1.6
Production	1,697	1,728	1,759	428	438	408	397	1,672	384	410	432									
Percent	93	93	90	84	85	80	78	82	76	82	86									
Olefin total:																				
Capacity	1,786	1,927	2,007	533	545	557	570	2,205	579	588	1,152	607	2,372	611	615	619	623	2,468	2,509	+2.9
Production	1,495	1,569	1,639	437	472	462	452	1,823	424	469	471									
Percent	82	81	82	82	87	83	78	82	73	80	79									
Staple--																				
Capacity	458	483	491	127	128	129	130	514	133	137	141	145	556	145	145	148	151	589	602	+4.1
Production	361	364	382	97	105	103	101	406	102	115	117									
Percent	79	75	78	76	82	74	77	79	77	84	83									
Filament--																				
Capacity	1,328	1,444	1,516	406	417	428	440	1,691	446	451	457	462	1,816	466	470	471	472	1,879	1,907	+2.5
Production	1,134	1,224	1,257	340	367	359	351	1,417	322	354	354									
Percent	83	85	83	84	88	84	78	83	72	78	77									

See footnotes at end of table.

Appendix table 16--Manmade fiber production and capacity, 1990-92 1/--continued

Fiber	Annual 1987	Annual 1988	Annual 1989	1990					1991					1992					Average planned 1993 capacity Percent	Annual change 1991-93 Percent
				1Q	2Q	3Q	4Q	Year	1Q	2Q	3Q	4Q	Year	1Q	2Q	3Q	4Q	Year		
-----Million lbs.-----																				
Other fibers: 2/																				
Capacity	30	30	30	8	8	8	8	32	8	8	8	8	32	8	9	8	9	34	35	+4.7
Production	22	28	28	7	8	7	8	30	8	8	7	8	32	8	9	8	9	34	35	+4.7
Percent	73	93	93	88	100	88	100	94	100	100	88									
Acrylic staple:																				
Capacity	648	641	642	160	160	136	112	568	115	119	121	123	478	123	123	123	122	491	491	+1.4
Production	592	588	543	130	137	129	110	506	103	116	120									
Percent	91	92	85	81	86	95	98	89	90	97	99									
Noncellulosic total 3/																				
Capacity	9,253	9,495	9,697	2,454	2,482	2,471	2,462	9,869	2,475	2,488	3,637	2,524	9,994	2,532	2,539	2,547	2,554	10,172	10,278	+1.4
Production	8,340	8,526	8,515	2,014	2,146	1,998	2,026	8,185	1,913	2,037	2,136									
Percent	90	90	88	82	86	81	83	83	77	82	58									
Staple--																				
Capacity	4,701	4,815	4,835	1,202	1,216	1,194	1,173	4,785	1,180	1,187	1,195	1,202	4,764	1,203	1,203	1,209	1,214	4,829	4,855	+0.9
Production	4,307	4,346	4,290	984	1,061	963	983	3,991	911	962	1,043									
Percent	92	90	89	82	87	81	84	83	78	81	87									
Filament--																				
Capacity	4,552	4,680	4,862	1,252	1,266	1,277	1,289	5,084	1,295	1,301	1,312	1,322	5,230	1,329	1,336	1,338	1,340	5,343	5,423	+1.8
Production	4,033	4,180	4,225	1,030	1,085	1,035	1,043	4,194	1,002	1,075	1,093									
Percent	88	89	87	82	86	81	81	83	77	83	83									
Cellulosic staple:																				
Capacity	465	468	481	102	81	80	81	344	81	81	81	81	324	81	81	81	82	325	325	+0.2
Production	414	400	363	73	72	74	80	299	67	69	70									
Percent	89	85	75	72	89	92	99	87	84	85	86									
Cellulosic filament:																				
Capacity	244	244	240	56	55	55	55	221	56	56	56	56	224	56	55	55	54	220	219	-1.1
Production	191	214	218	47	52	54	53	206	48	55	55									
Percent	78	88	91	84	95	98	96	93	88	98	98									

1/ Capacity data as of May 1991. 2/ Includes saran and spandex. USDA estimates. 3/ Glass fibers are not included.

Source: Fiber Organon.

Appendix table 17--Domestic shipments of manmade fibers by major category, 1987-91 1/

Fiber type	1987				1988				1989				1990				1991		
	1q	2q	3q	4q	1q	2q	3q	4q	1q	2q	3q	4q	1q	2q	3q	4q	1q	2q	3q
Million lbs.																			
<b>Woven products:</b>																			
Total	524.7	563.2	559.1	586.3	559.8	569.7	564.9	630.2	586.5	618.1	544.2	480.7	455.0	500.8	495.9	482.5	429.6	483.3	NA
Polyester	314.4	334.0	316.2	329.8	317.5	328.7	319.1	377.4	322.6	359.7	302.0	292.6	267.5	286.7	283.1	281.4	256.7	276.9	NA
Rayon	52.9	55.2	59.9	62.7	58.7	60.5	63.5	60.3	69.1	59.7	50.6	NA	NA	NA	NA	NA	NA	NA	NA
Olefin	77.8	85.4	90.4	102.0	94.2	92.3	90.5	95.7	98.8	98.0	97.9	96.0	100.2	120.6	118.8	111.0	96.6	117.0	NA
Nylon	37.1	39.0	43.1	41.0	40.1	36.7	38.1	40.6	38.7	40.6	39.0	40.1	39.3	41.5	40.4	36.9	30.8	32.4	NA
Acetate	26.7	32.1	31.8	34.4	32.5	36.3	36.9	40.6	37.3	39.3	38.8	38.4	34.6	38.3	42.0	41.2	34.6	42.9	NA
Acrylic	15.8	17.5	17.7	16.4	16.8	15.2	16.8	15.6	20.0	20.8	15.9	13.6	13.4	13.7	11.6	12.0	10.9	14.1	NA
<b>Knit products:</b>																			
Total	368.6	375.0	339.8	331.3	327.1	343.4	326.7	366.8	378.7	370.3	353.5	328.2	317.5	331.3	306.7	301.1	292.3	323.8	NA
Polyester	181.5	196.2	182.5	190.9	173.2	183.8	175.0	219.6	214.2	211.9	206.7	197.7	185.0	199.4	187.3	186.2	173.9	196.8	NA
Nylon	63.7	63.5	63.5	60.9	61.8	64.7	64.1	70.8	68.8	68.4	64.9	63.3	53.4	61.2	57.8	60.7	60.0	58.9	NA
Acrylic	112.7	105.2	87.5	72.1	85.3	86.3	80.6	70.0	84.1	82.2	77.9	62.7	73.5	65.8	58.2	51.2	54.5	63.4	NA
Acetate	9.1	8.4	5.2	6.3	5.9	7.9	5.9	5.2	6.3	7.6	3.8	4.2	5.3	4.7	3.1	2.7	3.9	4.7	NA
Rayon	1.6	1.7	1.1	1.1	0.9	0.7	1.1	1.2	0.3	0.2	0.2	0.3	0.3	0.2	0.3	0.3	NA	NA	NA
<b>Carpets:</b>																			
Total	686.3	722.0	732.8	675.0	722.1	729.0	733.4	732.6	724.9	723.7	736.5	705.0	753.4	740.6	734.6	718.7	588.6	739.7	NA
Nylon	458.7	474.7	476.7	411.0	452.5	443.6	467.6	460.0	451.8	450.4	474.0	450.8	469.8	460.0	456.0	459.7	339.6	438.6 2/	472.6
Olefin	180.8	196.6	204.7	203.9	203.3	216.3	203.5	208.7	212.9	221.8	213.7	202.6	235.6	240.5	238.2	221.0	210.8	242.3	NA
Polyester	46.8	50.7	51.4	60.1	66.1	69.0	62.3	63.8	60.1	51.3	48.6	51.6	48.0	40.1	40.4	38.0	38.2	58.8	60.5
Rayon	NA	NA	NA	NA	0.2	0.1	NA	0.1	0.1	0.2	0.2	NA	NA	NA	NA	NA	NA	NA	NA

NA = Not available.

1/ Filament plus staple. 2/ Data only available for carpets; nylon and polyester.

Source: Fiber Organon.

Appendix table 18--World wool supply and disappearance, 1980/81-1990/91

Year	Sheep population (actual wt.)	Production (actual wt.)	Production (clean)	Consumption (clean)	Exports (actual wt.)	Beginning stocks (clean)
	Million head	-----Million lbs.-----				
1980/81	1,087	6,268	3,525	3,489	2,715	220
1981/82	1,105	6,334	3,563	3,431	2,624	269
1982/83	1,097	6,349	3,584	3,554	2,730	368
1983/84	1,106	6,462	3,651	3,514	2,660	456
1984/85	1,100	6,636	3,818	3,582	2,993	456
1985/86	1,105	6,618	3,803	3,766	2,489	386
1986/87	1,121	6,766	3,904	3,829	2,694	390
1987/88	1,139	6,896	3,995	3,872	2,584	212
1988/89	1,165	7,097	4,116	3,807	2,441	161
1989/90	1,176	7,412	4,325	3,314	2,132	289
1990/91	1,158	7,372	4,292	--	1,909	1,151
1991/92	--	6,845	3,964	--	--	1,563

-- = Not available.

1/ Sheep population during April-June of the second year indicated for most countries. Consumption data are calendar year for the second year indicated for most countries. Stocks are for countries that are major producers and exporters.

Source: Commonwealth Secretariat, Economic Affairs Division.

Appendix table 19--Sheep population, wool production, and wool exports, major producing foreign countries, 1983/84-1990/91

	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91
	-----Million head-----							
Sheep numbers:								
Australia	135	146	150	153	157	165	174	166
USSR	145	143	141	142	141	141	139	135
China	99	95	94	99	103	111	114	115
New Zealand	70	68	68	64	65	61	58	58
Argentina	34	29	29	29	29	29	29	29
Uruguay	21	21	23	24	25	25	25	25
South Africa	24	23	23	24	24	26	26	25
World	1,106	1,100	1,105	1,121	1,139	1,165	1,176	1,158
-----Million lbs., clean-----								
Wool production:								
Australia	1,014	1,153	1,177	1,263	1,310	1,380	1,594	1,579
USSR	481	461	443	465	456	474	476	467
China	214	203	196	205	231	245	262	265
New Zealand	597	611	584	575	573	562	516	503
Argentina	214	198	201	198	207	216	196	194
Uruguay	123	106	130	134	134	126	141	139
South Africa	134	132	121	115	119	126	130	137
World	3,651	3,818	3,803	3,904	3,995	4,116	4,325	4,292
Wool exports:								
Australia	784	876	977	1,096	1,079	1,008	868	776
New Zealand	570	591	530	571	521	518	404	399
Argentina	120	96	111	99	101	73	81	73
Uruguay	57	38	54	66	50	41	59	38
South Africa	82	80	60	50	47	54	60	65
Total	1,613	1,681	1,732	1,882	1,798	1,694	1,472	1,351

-- = Not available.

Source: Commonwealth Secretariat, Economic Affairs Division.

Appendix table 20--World wool trade by major importing and exporting countries, 1983/84-1989/90

	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90
Million lbs., actual weight							
Wool exports:							
Australia	1,209	1,389	1,540	1,724	1,696	1,591	1,369
New Zealand	672	700	620	662	607	606	464
Argentina	157	132	153	132	133	95	112
South Africa	142	129	99	82	76	90	102
Uruguay	60	54	77	94	72	59	85
World	2,660	2,991	3,057	3,226	3,062	2,827	2,264
Wool imports:							
Japan	406	406	390	451	385	381	315
China	282	290	336	336	413	230	73
France	197	241	290	261	253	278	219
USSR	123	250	254	295	252	283	129
United Kingdom	260	283	261	306	282	243	195
Italy	233	265	241	269	251	236	263
West Germany	165	170	161	176	167	165	149
Belgium	103	122	128	141	147	152	119
United States	92	77	122	105	97	107	72
Taiwan	79	89	110	114	78	99	69
South Korea	61	69	84	99	83	76	76
World	2,520	2,780	2,919	3,118	2,953	2,763	2,167

Source: Commonwealth Secretariat, Economic Affairs Division.

Appendix table 21--Wool sales, government purchases, and government-owned stocks, major foreign exporters

Year	Australia			New Zealand			South Africa		
	Auction offerings	Purchased by AWC	AWC ending stocks	Auction offerings	Purchased by NZWB	NZWB ending stocks	Auction offerings	Purchased by SAWB	SAWB ending stocks
	1,000 bales	Percent	---1,000 bales---	1,000 bales	Percent	---1,000 bales---	1,000 bales	Percent	1,000 bales
1980/81	3,637	5.1	271	1,783	17.7	344	693	11	--
1981/82	3,703	15.4	508	1,753	11.1	422	706	17	--
1982/83	3,654	24.2	867	1,735	3.6	286	729	40	121
1983/84	3,742	23.1	1,144	1,736	0.8	93	685	11	121
1984/85	4,098	17.3	936	1,746	4.1	39	669	1	18
1985/86	4,022	9.6	895	1,633	13.4	124	627	1	18
1986/87	4,134	6.4	346	1,472	7.2	31	578	2	12
1987/88	4,286	0.8	8	1,560	11.1	94	592	1	17
1988/89	4,601	5.2	189	1,406	12.0	100	618	6	53
1989/90	5,716	52.0	3,065	1,307	40.6	490	661	30	242
1990/91 1/	5,471	35.1	4,624	1,293	18.7	558	690	46	164

--- = No data available.

1/ Preliminary.

Source: Commonwealth Secretariat, Economic Affairs Division.

Appendix table 22--International wool prices

Year	Australia		New Zealand		South Africa
	Market indicator 1/	Minimum floor price	Market indicator 1/	Minimum floor price	Market indicator 1/
	A cents per kg, clean		NZ cents per kg, clean		SA cents per kg, clean
1984/85	526	470	502	424	815
1985/86	533	500	466	443	926
1986/87	626	508	556	443	942
1987/88	1,003	645	600	476	1,664
1988/89	990	870	672	500	2,093
1989/90:					
July	889	870	666	525	N.S.
August	884	870	626	525	1,840
September	881	870	614	525	1,902
October	879	870	626	525	1,842
November	879	870	612	525	1,771
December	879	870	595	525	1,762
January	882	870	585	525	1,762
February	887	870	587	525	1,719
March	896	870	586	525	1,756
April	900	870	571	525	1,792
May	888	870	540	525	1,774
June	733	2/ 700	507	525	N.S.
Season	870	870	589	525	1,790
1990/91					
July	724	700	493	485	N.S.
August	723	700	481	485	1,493
September	707	700	473	485	1,467
October	703	700	463	485	1,397
November	704	700	402	485	1,367
December	706	700	404	485	1,374
January	706	700	399	485	1,372
February 3/	428		366		1,149
March	444		363		953
April	464		433		999
May	553		450		1,138
June	583		397		N.S.
Season	628		423		1,268
1991/92					
July	553		419		N.S.
August 4/	530		417		1,187
September	495		390		1,162
October	472		390		1,084

N.S. = No sales.

1/ Weighted average of all types offered. 2/ The guaranteed minimum floor price was reduced to A 700 cents per kg for the last 4 weeks of 1989/90 season. 3/ All sales were suspended for month and minimum floor price was eliminated. 4/ New Australian market indicator beginning August 1991.

Source: Commonwealth Secretariat, Economic Affairs Division.

Appendix table 23--World textile fiber production

Year	Rayon and acetate	Noncellulosic fibers	Cotton	Wool (clean)	Silk	Flax	Hemp (soft)	Total fibers
-----Million lbs.-----								
1980	7,147	23,095	31,193	3,525	123	1,389	569	67,041
1981	7,064	23,869	34,171	3,563	126	1,347	492	70,632
1982	6,493	22,368	32,747	3,584	121	1,437	459	67,209
1983	6,457	24,418	31,671	3,651	121	1,733	406	68,457
1984	6,605	26,023	42,723	3,818	123	1,512	443	81,252
1985	6,462	27,533	38,764	3,803	150	1,642	481	78,857
1986	6,303	28,499	33,928	3,904	139	1,605	485	75,038
1987	6,228	30,294	38,885	3,995	139	2,108	474	82,333
1988	6,358	31,733	40,638	4,116	161	2,039	465	85,093
1989	6,343	32,637	38,407	4,325	161	1,795	470	83,820
1990	6,274	32,780	41,063	4,292	165	1,830	472	86,876

-- = Not available.

Source: Commonwealth Secretariat, Economic Affairs Division and U.S. Department of Agriculture.

Appendix table 24--Raw-cotton-equivalent of U.S. imports for consumption of cotton-containing textile manufactures, 1989-91 1/

Year and month	Yarn, thread, and fabric						Apparel																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	Yarn, thread, and rope	Broad-woven fabric 100%	Broad-woven fabric blends	Knit fabric	Narrow, industrial, and misc. fabric	Total	Tops	Bot-toms	Suits and coats	Sweat-ers	Other apparel	Total																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	1,000 lbs.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
1989:													Jan	8,353	44,521	8,802	1,224	2,213	65,113	49,685	36,947	7,723	6,104	13,472	113,930	Feb	7,039	40,347	6,749	1,169	1,888	57,193	46,299	39,325	5,493	3,582	9,522	104,221	Mar	7,903	32,429	7,822	1,136	2,119	51,411	46,394	38,690	4,096	2,610	9,253	101,043	Apr	6,763	30,359	9,339	1,339	1,765	49,565	38,378	32,086	3,788	3,182	7,656	85,091	May	7,383	30,165	9,197	1,427	2,168	50,340	47,383	40,073	7,458	5,282	7,843	108,039	Jun	8,514	36,261	10,344	1,412	2,309	58,839	55,724	49,220	10,603	6,804	10,001	132,353	Jul	7,413	35,216	11,704	1,297	2,135	57,765	62,984	54,827	14,495	8,091	9,940	150,338	Aug	7,965	38,638	13,874	1,604	2,309	64,391	65,195	52,903	16,977	7,576	9,797	152,448	Sep	6,617	29,340	10,353	1,283	1,661	49,254	54,183	42,785	11,458	6,309	7,901	122,636	Oct	11,445	47,731	13,093	1,442	1,928	75,639	62,125	48,829	10,310	9,781	7,658	138,703	Nov	8,624	38,441	11,475	1,239	1,995	61,775	52,014	42,070	8,382	7,909	7,664	118,039	Dec	5,933	32,653	10,376	1,223	1,925	52,109	47,712	37,955	7,294	4,540	10,145	107,646	Total	93,952	436,103	123,130	15,796	24,414	693,395	628,076	515,710	108,078	71,770	110,852	1,434,485	1990:													Jan	7,431	47,386	13,006	1,474	1,776	71,073	66,425	48,717	9,140	4,914	12,437	141,633	Feb	5,510	32,948	9,096	1,097	1,787	50,438	58,176	52,686	5,841	2,677	9,986	129,366	Mar	6,253	27,486	8,076	1,162	1,761	44,737	53,979	46,033	3,814	1,444	10,323	115,593	Apr	5,684	26,239	9,275	1,328	1,875	44,401	50,544	37,672	4,158	2,327	8,597	103,298	May	5,612	35,032	10,903	1,538	1,987	55,073	53,470	43,139	8,305	4,437	8,949	118,299	Jun	6,224	31,085	9,003	1,521	2,150	49,983	60,930	51,828	13,787	6,402	9,024	141,971	Jul	6,910	39,045	9,550	1,436	1,822	58,764	73,105	55,772	15,251	7,858	8,837	160,823	Aug	6,780	42,434	10,658	1,605	1,613	63,091	71,348	44,784	16,202	8,526	8,543	149,404	Sep	5,308	35,236	9,404	1,666	1,647	53,260	54,534	34,401	10,360	6,989	8,199	114,484	Oct	7,455	43,981	10,695	1,806	1,895	65,832	63,026	38,691	9,457	11,388	8,606	131,168	Nov	4,653	38,467	9,214	1,438	1,857	55,629	49,267	34,163	8,173	7,970	8,337	107,910	Dec	5,219	39,495	8,399	1,132	1,664	55,909	43,843	32,129	5,583	3,688	7,728	92,971	Total	73,040	438,834	117,277	17,203	21,834	668,189	698,647	520,016	110,071	68,620	109,565	1,506,919	1991:													Jan	3,997	49,675	9,826	1,476	1,669	66,643	67,393	43,853	7,939	4,137	11,736	135,059	Feb	3,358	35,315	7,493	1,310	1,510	48,986	58,100	40,583	5,537	2,120	11,507	117,647	Mar	4,151	34,214	8,047	1,206	1,805	49,423	52,336	35,068	3,199	1,457	10,023	102,083	Apr	3,320	39,727	10,348	1,346	1,713	56,454	47,928	33,347	3,285	1,512	9,016	95,087	May	6,071	40,978	10,931	2,021	1,719	61,720	52,291	39,363	6,445	3,977	9,453	111,529	Jun	8,039	44,250	11,090	2,053	1,654	67,086	62,357	44,455	9,426	6,428	9,776	132,443	Jul	8,856	43,777	11,767	2,223	1,628	68,251	77,837	57,239	13,600	8,562	11,552	168,589	Aug	10,978	45,563	11,269	2,344	1,692	71,846	69,641	43,766	14,738	7,785	8,622	144,551	Sep	8,503	39,671	10,135	2,305	1,768	62,381	69,705	40,854	11,444	8,288	8,799	139,090
Jan	8,353	44,521	8,802	1,224	2,213	65,113	49,685	36,947	7,723	6,104	13,472	113,930																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Feb	7,039	40,347	6,749	1,169	1,888	57,193	46,299	39,325	5,493	3,582	9,522	104,221																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Mar	7,903	32,429	7,822	1,136	2,119	51,411	46,394	38,690	4,096	2,610	9,253	101,043																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Apr	6,763	30,359	9,339	1,339	1,765	49,565	38,378	32,086	3,788	3,182	7,656	85,091																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
May	7,383	30,165	9,197	1,427	2,168	50,340	47,383	40,073	7,458	5,282	7,843	108,039																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Jun	8,514	36,261	10,344	1,412	2,309	58,839	55,724	49,220	10,603	6,804	10,001	132,353																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Jul	7,413	35,216	11,704	1,297	2,135	57,765	62,984	54,827	14,495	8,091	9,940	150,338																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Aug	7,965	38,638	13,874	1,604	2,309	64,391	65,195	52,903	16,977	7,576	9,797	152,448																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Sep	6,617	29,340	10,353	1,283	1,661	49,254	54,183	42,785	11,458	6,309	7,901	122,636																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Oct	11,445	47,731	13,093	1,442	1,928	75,639	62,125	48,829	10,310	9,781	7,658	138,703																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Nov	8,624	38,441	11,475	1,239	1,995	61,775	52,014	42,070	8,382	7,909	7,664	118,039																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Dec	5,933	32,653	10,376	1,223	1,925	52,109	47,712	37,955	7,294	4,540	10,145	107,646																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Total	93,952	436,103	123,130	15,796	24,414	693,395	628,076	515,710	108,078	71,770	110,852	1,434,485																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1990:													Jan	7,431	47,386	13,006	1,474	1,776	71,073	66,425	48,717	9,140	4,914	12,437	141,633	Feb	5,510	32,948	9,096	1,097	1,787	50,438	58,176	52,686	5,841	2,677	9,986	129,366	Mar	6,253	27,486	8,076	1,162	1,761	44,737	53,979	46,033	3,814	1,444	10,323	115,593	Apr	5,684	26,239	9,275	1,328	1,875	44,401	50,544	37,672	4,158	2,327	8,597	103,298	May	5,612	35,032	10,903	1,538	1,987	55,073	53,470	43,139	8,305	4,437	8,949	118,299	Jun	6,224	31,085	9,003	1,521	2,150	49,983	60,930	51,828	13,787	6,402	9,024	141,971	Jul	6,910	39,045	9,550	1,436	1,822	58,764	73,105	55,772	15,251	7,858	8,837	160,823	Aug	6,780	42,434	10,658	1,605	1,613	63,091	71,348	44,784	16,202	8,526	8,543	149,404	Sep	5,308	35,236	9,404	1,666	1,647	53,260	54,534	34,401	10,360	6,989	8,199	114,484	Oct	7,455	43,981	10,695	1,806	1,895	65,832	63,026	38,691	9,457	11,388	8,606	131,168	Nov	4,653	38,467	9,214	1,438	1,857	55,629	49,267	34,163	8,173	7,970	8,337	107,910	Dec	5,219	39,495	8,399	1,132	1,664	55,909	43,843	32,129	5,583	3,688	7,728	92,971	Total	73,040	438,834	117,277	17,203	21,834	668,189	698,647	520,016	110,071	68,620	109,565	1,506,919	1991:													Jan	3,997	49,675	9,826	1,476	1,669	66,643	67,393	43,853	7,939	4,137	11,736	135,059	Feb	3,358	35,315	7,493	1,310	1,510	48,986	58,100	40,583	5,537	2,120	11,507	117,647	Mar	4,151	34,214	8,047	1,206	1,805	49,423	52,336	35,068	3,199	1,457	10,023	102,083	Apr	3,320	39,727	10,348	1,346	1,713	56,454	47,928	33,347	3,285	1,512	9,016	95,087	May	6,071	40,978	10,931	2,021	1,719	61,720	52,291	39,363	6,445	3,977	9,453	111,529	Jun	8,039	44,250	11,090	2,053	1,654	67,086	62,357	44,455	9,426	6,428	9,776	132,443	Jul	8,856	43,777	11,767	2,223	1,628	68,251	77,837	57,239	13,600	8,562	11,552	168,589	Aug	10,978	45,563	11,269	2,344	1,692	71,846	69,641	43,766	14,738	7,785	8,622	144,551	Sep	8,503	39,671	10,135	2,305	1,768	62,381	69,705	40,854	11,444	8,288	8,799	139,090																																																																																																																																																																																						
Jan	7,431	47,386	13,006	1,474	1,776	71,073	66,425	48,717	9,140	4,914	12,437	141,633																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Feb	5,510	32,948	9,096	1,097	1,787	50,438	58,176	52,686	5,841	2,677	9,986	129,366																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Mar	6,253	27,486	8,076	1,162	1,761	44,737	53,979	46,033	3,814	1,444	10,323	115,593																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Apr	5,684	26,239	9,275	1,328	1,875	44,401	50,544	37,672	4,158	2,327	8,597	103,298																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
May	5,612	35,032	10,903	1,538	1,987	55,073	53,470	43,139	8,305	4,437	8,949	118,299																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Jun	6,224	31,085	9,003	1,521	2,150	49,983	60,930	51,828	13,787	6,402	9,024	141,971																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Jul	6,910	39,045	9,550	1,436	1,822	58,764	73,105	55,772	15,251	7,858	8,837	160,823																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Aug	6,780	42,434	10,658	1,605	1,613	63,091	71,348	44,784	16,202	8,526	8,543	149,404																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Sep	5,308	35,236	9,404	1,666	1,647	53,260	54,534	34,401	10,360	6,989	8,199	114,484																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Oct	7,455	43,981	10,695	1,806	1,895	65,832	63,026	38,691	9,457	11,388	8,606	131,168																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Nov	4,653	38,467	9,214	1,438	1,857	55,629	49,267	34,163	8,173	7,970	8,337	107,910																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Dec	5,219	39,495	8,399	1,132	1,664	55,909	43,843	32,129	5,583	3,688	7,728	92,971																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Total	73,040	438,834	117,277	17,203	21,834	668,189	698,647	520,016	110,071	68,620	109,565	1,506,919																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1991:													Jan	3,997	49,675	9,826	1,476	1,669	66,643	67,393	43,853	7,939	4,137	11,736	135,059	Feb	3,358	35,315	7,493	1,310	1,510	48,986	58,100	40,583	5,537	2,120	11,507	117,647	Mar	4,151	34,214	8,047	1,206	1,805	49,423	52,336	35,068	3,199	1,457	10,023	102,083	Apr	3,320	39,727	10,348	1,346	1,713	56,454	47,928	33,347	3,285	1,512	9,016	95,087	May	6,071	40,978	10,931	2,021	1,719	61,720	52,291	39,363	6,445	3,977	9,453	111,529	Jun	8,039	44,250	11,090	2,053	1,654	67,086	62,357	44,455	9,426	6,428	9,776	132,443	Jul	8,856	43,777	11,767	2,223	1,628	68,251	77,837	57,239	13,600	8,562	11,552	168,589	Aug	10,978	45,563	11,269	2,344	1,692	71,846	69,641	43,766	14,738	7,785	8,622	144,551	Sep	8,503	39,671	10,135	2,305	1,768	62,381	69,705	40,854	11,444	8,288	8,799	139,090																																																																																																																																																																																																																																																																																																																																																																												
Jan	3,997	49,675	9,826	1,476	1,669	66,643	67,393	43,853	7,939	4,137	11,736	135,059																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Feb	3,358	35,315	7,493	1,310	1,510	48,986	58,100	40,583	5,537	2,120	11,507	117,647																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Mar	4,151	34,214	8,047	1,206	1,805	49,423	52,336	35,068	3,199	1,457	10,023	102,083																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Apr	3,320	39,727	10,348	1,346	1,713	56,454	47,928	33,347	3,285	1,512	9,016	95,087																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
May	6,071	40,978	10,931	2,021	1,719	61,720	52,291	39,363	6,445	3,977	9,453	111,529																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Jun	8,039	44,250	11,090	2,053	1,654	67,086	62,357	44,455	9,426	6,428	9,776	132,443																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Jul	8,856	43,777	11,767	2,223	1,628	68,251	77,837	57,239	13,600	8,562	11,552	168,589																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Aug	10,978	45,563	11,269	2,344	1,692	71,846	69,641	43,766	14,738	7,785	8,622	144,551																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Sep	8,503	39,671	10,135	2,305	1,768	62,381	69,705	40,854	11,444	8,288	8,799	139,090																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

See footnotes at end of table.

Continued--



Appendix table 24--Raw cotton equivalent of U.S. imports for consumption of cotton-containing textile manufactures, 1989-91 1/

Year and month	House furnishings						Floor coverings						
	Blan-kets	Bed-sheets, pillow-cases, etc.	Table-cloths, placemats, napkins, etc.	Bath-room and kitchen toweling	Curtains, drapes, etc.	Bed-spreads, quilts, and misc.	Total	Knot-ted	Woven	Tufted	Felt, tile, etc.	Misc.	Total
1,000 lbs.													
1989:													
Jan	479	1,737	1,618	7,730	304	859	12,727	331	1,994	41	--	38	2,404
Feb	270	2,372	1,282	7,692	292	814	12,723	229	2,454	88	--	39	2,811
Mar	784	2,203	1,070	8,185	189	517	12,948	235	2,052	37	--	60	2,384
Apr	287	2,067	1,153	6,110	316	890	10,823	201	2,248	43	--	41	2,533
May	215	2,577	1,308	7,987	629	562	13,278	205	1,943	39	--	44	2,231
Jun	239	3,126	1,482	5,749	356	2,755	13,706	237	2,471	28	--	57	2,793
Jul	278	4,301	1,470	7,908	260	1,261	15,479	234	2,705	31	--	57	3,027
Aug	413	5,522	1,898	9,845	489	1,262	19,430	243	2,572	22	--	52	2,890
Sep	198	3,673	1,769	7,677	208	1,001	14,526	250	2,286	36	--	58	2,629
Oct	509	4,815	1,711	11,591	474	961	20,060	260	3,429	25	--	96	3,811
Nov	331	4,615	842	10,251	310	723	17,073	245	1,261	27	--	35	1,569
Dec	167	2,401	658	9,898	299	767	14,188	282	3,351	14	--	41	3,688
Total	4,171	39,411	16,261	100,621	4,125	12,372	176,962	2,953	28,766	432	0	620	32,770
1990:													
Jan	115	3,427	827	13,947	214	647	19,177	364	2,047	20	--	47	2,478
Feb	271	2,644	1,112	12,090	296	1,047	17,460	240	2,168	23	--	33	2,464
Mar	412	2,258	1,535	10,336	404	1,504	16,448	223	3,283	34	--	116	3,656
Apr	525	2,403	1,591	9,837	306	994	15,655	171	2,418	25	--	79	2,693
May	175	1,886	1,691	9,398	300	1,072	14,522	272	2,591	26	--	75	2,964
Jun	287	3,177	1,433	8,187	243	993	14,320	225	2,070	27	--	24	2,346
Jul	505	6,268	1,718	7,714	386	970	17,560	197	2,920	35	--	33	3,185
Aug	412	5,594	2,071	9,640	356	1,137	19,210	215	2,720	38	--	46	3,019
Sep	396	4,791	1,668	7,672	341	822	15,690	231	2,308	41	--	34	2,614
Oct	247	4,890	1,387	9,345	264	1,126	17,259	239	1,644	39	--	44	1,966
Nov	203	3,539	1,230	8,928	227	547	14,674	307	2,615	41	--	43	3,006
Dec	301	2,939	845	8,407	166	433	13,092	238	1,710	26	--	32	2,006
Total	3,849	43,815	17,106	115,499	3,503	11,293	195,066	2,921	28,494	375	0	606	32,396
1991:													
Jan	414	2,268	1,485	12,887	239	1,357	18,650	309	2,541	19	--	39	2,908
Feb	297	2,396	1,468	11,252	302	1,387	17,102	230	1,942	18	--	23	2,213
Mar	392	2,695	1,196	8,218	201	960	13,662	252	2,103	35	--	48	2,440
Apr	322	2,343	1,610	9,411	336	605	14,627	238	2,792	42	--	43	3,116
May	397	2,884	1,386	8,471	366	884	14,388	304	2,214	45	--	39	2,601
Jun	362	3,756	1,379	8,932	212	2,223	16,864	245	2,284	40	--	33	2,602
Jul	341	4,875	2,029	8,392	221	798	16,656	222	2,391	29	--	51	2,693
Aug	489	4,723	2,015	8,685	256	782	16,950	261	2,463	29	--	34	2,788
Sep	302	4,715	2,055	8,529	338	817	16,756	264	3,227	62	--	18	3,570

-- = An absence of trade.

1/ Revised. Totals may not add due to rounding.

Source: Bureau of the Census.

Appendix table 25--Raw-linen-equivalent of U.S. imports for consumption of linen-containing textile manufactures, 1989-91 1/

Year and month	Yarn, thread, and fabric					Apparel					
	Yarn, thread, and rope	Broad-woven (inc. pile) fabric	Knit fabric	Narrow, industrial, and misc. fabric	Total	Tops	Bot-toms	Suits and coats	Sweat-ers	Other apparel	Total
1,000 lbs.											
1989:											
Jan	18,431	13,306	--	293	32,030	1,356	3,519	1,186	8,788	103	14,952
Feb	25,384	12,639	--	286	38,310	1,334	5,036	1,275	6,891	96	14,632
Mar	41,704	20,689	--	521	62,914	1,381	3,305	770	4,194	258	9,907
Apr	22,971	12,734	--	182	35,887	1,129	2,445	489	5,073	135	9,271
May	16,995	14,469	--	222	31,686	982	2,320	491	10,519	50	14,362
Jun	10,915	11,363	--	264	22,543	1,544	2,212	462	12,654	140	17,011
Jul	8,494	9,702	0	228	18,424	1,657	1,859	524	14,709	131	18,879
Aug	8,171	20,448	0	343	28,962	1,794	1,817	566	13,952	189	18,317
Sep	5,534	14,046	0	288	19,868	1,527	1,529	513	12,063	127	15,758
Oct	7,168	19,142	0	341	26,651	1,948	2,021	643	16,116	181	20,909
Nov	8,711	12,947	0	286	21,944	1,662	2,260	539	11,032	137	15,630
Dec	34,624	14,005	0	186	48,815	1,276	2,513	856	4,599	83	9,327
Total	209,101	175,492	1	3,441	388,036	17,591	30,836	8,312	120,589	1,629	178,957
1990:											
Jan	43,697	24,235	19	561	68,512	2,039	3,888	1,434	5,617	110	13,089
Feb	16,506	13,703	0	381	60,591	1,573	3,941	895	3,004	111	9,523
Mar	31,818	22,722	1	270	54,811	1,535	2,933	726	1,956	76	7,226
Apr	32,164	13,234	0	482	45,880	1,223	2,319	560	3,559	60	7,721
May	11,374	16,170	1	299	24,844	1,249	1,915	455	8,189	46	11,855
Jun	10,595	16,182	0	294	27,071	1,440	2,133	502	11,842	116	16,033
Jul	7,287	14,845	0	225	22,357	1,975	1,932	735	14,425	234	19,301
Aug	6,938	7,588	0	489	15,016	2,044	1,589	709	13,607	191	18,141
Sep	3,491	17,845	1	453	21,789	1,567	1,140	612	11,921	132	15,372
Oct	16,452	12,085	0	346	28,884	1,777	1,887	733	19,744	228	24,369
Nov	12,794	9,926	1	241	22,962	1,383	2,338	762	13,645	143	18,271
Dec	18,934	23,090	0	336	42,360	1,342	2,636	849	4,531	109	9,466
Total	212,051	191,626	24	4,377	408,078	19,149	28,650	8,972	112,039	1,557	170,367
1991:											
Jan	29,700	17,805	0	377	47,882	2,157	4,801	1,663	3,459	82	12,162
Feb	34,536	13,728	0	140	48,404	1,687	4,220	1,560	2,761	104	10,332
Mar	17,259	14,688	0	236	32,183	1,299	2,997	1,211	1,936	91	7,534
Apr	39,230	18,711	0	176	58,117	1,239	2,431	850	2,353	38	6,911
May	5,458	8,870	1	144	14,473	1,281	2,466	840	7,264	109	11,960
Jun	5,683	12,424	2	87	18,196	1,615	1,997	781	10,904	143	15,440
Jul	6,257	12,029	0	119	18,405	2,137	1,388	782	16,420	120	20,847
Aug	6,542	10,586	2	94	17,224	1,926	1,061	848	13,562	100	17,497
Sep	4,033	13,763	16	113	17,925	2,081	1,151	904	15,477	138	19,750

See footnotes at end of table.

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Appendix table 25--Raw-linen-equivalent of U.S. imports for consumption of linen-containing textile manufactures, 1989-91 1/

Year and month	House furnishings						Floor coverings						
	Blan-kets	Bed-sheets, pillow-cases, etc.	Table-cloths, placemats, napkin etc.	Bath-room and kitchen toweling	Curtains, drapes, etc.	Bed-spreads, quilts, and misc.	Total	Knot-ted	Woven	Tufted	Felt, tile, etc.	Misc.	Total
1,000 lbs.													
1989:													
Jan	0	2	22	48	16	26	115	37	458	125	--	108	728
Feb	--	3	12	53	80	11	159	29	534	131	--	136	830
Mar	--	1	48	50	71	19	189	31	848	136	--	99	1,114
Apr	0	1	60	26	59	71	217	26	484	121	--	107	738
May	0	1	27	26	63	33	149	25	528	137	--	47	737
Jun	--	1	16	10	88	76	190	28	722	146	--	57	953
Jul	--	1	21	8	49	74	153	23	639	113	--	59	834
Aug	0	1	26	8	46	59	140	23	516	121	--	44	704
Sep	0	0	26	12	96	17	152	21	302	112	--	79	514
Oct	0	1	23	6	75	31	135	29	675	136	--	109	949
Nov	0	1	27	18	29	33	107	24	567	107	--	86	784
Dec	0	1	14	10	2	66	93	29	489	109	--	42	669
Total	1	13	323	273	674	515	1,799	324	6,763	1,496	0	972	9,554
1990:													
Jan	0	2	24	6	5	15	52	39	573	131	--	152	895
Feb	0	1	36	9	1	26	73	21	403	133	--	47	604
Mar	0	1	23	6	10	45	84	26	523	171	--	115	835
Apr	--	0	11	6	1	63	80	20	470	150	--	99	739
May	--	1	16	8	4	83	111	27	604	152	--	118	901
Jun	0	1	16	20	3	17	55	24	466	175	--	28	693
Jul	0	0	14	56	4	92	166	22	635	137	--	82	876
Aug	0	1	36	10	2	121	170	22	680	104	--	83	889
Sep	0	1	38	4	0	140	183	18	585	109	--	87	799
Oct	0	1	39	56	3	71	171	22	587	147	--	88	844
Nov	0	0	64	14	5	95	179	31	660	108	--	57	856
Dec	0	1	42	7	1	137	187	24	503	78	--	77	682
Total	1	9	358	202	38	904	1,512	296	6,689	1,593	0	1,033	9,611
1991:													
Jan	0	1	43	4	0	169	217	34	766	93	--	62	955
Feb	0	1	72	18	1	97	189	26	423	96	--	36	581
Mar	0	0	24	29	3	180	236	24	540	110	--	51	725
Apr	1	1	24	27	1	157	210	30	725	117	--	46	918
May	1	0	29	11	5	178	223	32	701	121	--	45	898
Jun	--	1	95	26	1	144	267	22	607	144	--	77	850
Jul	0	1	39	73	0	253	366	25	512	106	--	36	679
Aug	0	2	81	34	0	222	339	26	677	114	--	138	955
Sep	0	0	60	59	0	195	314	29	603	136	--	93	861

--- = An absence of trade.

0 = Levels of trade less than 1,000 lbs.

1/ Revised. Totals may not add due to rounding.

Appendix table 26--Raw-wool-equivalent of U.S. imports for consumption of wool-containing textile manufactures, 1989-91 1/

Year and month	Yarn, thread, and fabric					Apparel						
	Noils and waste	Yarn, thread, and rope	Broad-woven (inc. pile) fabric	Knit fabric	Narrow, industrial, and misc. fabric	Total	Tops	Bot-toms	Suits and coats	Sweat-ers	Other apparel	Total
1,000 lbs.												
1989:												
Jan	1,209	265	1,355	51	211	3,091	2,051	1,040	1,199	1,168	240	5,698
Feb	1,388	317	1,397	6	224	3,333	1,851	959	1,065	1,159	251	5,285
Mar	1,968	341	1,612	77	232	4,231	1,531	920	1,074	912	288	4,726
Apr	958	404	1,328	50	242	2,982	1,678	883	1,039	2,049	279	5,928
May	1,135	306	1,316	58	239	3,054	2,482	1,592	1,881	4,365	502	10,822
Jun	1,621	407	1,300	59	263	3,650	3,176	2,373	2,852	5,971	780	15,152
Jul	1,457	452	1,110	69	393	3,482	3,701	3,369	3,651	7,735	1,137	19,593
Aug	1,209	266	1,027	26	231	2,759	4,130	3,965	4,329	9,103	983	22,509
Sep	1,113	296	758	8	178	2,353	3,278	2,841	3,333	6,853	701	17,006
Oct	1,181	459	896	10	201	2,747	3,405	2,278	2,867	6,041	595	15,186
Nov	1,074	251	729	5	413	2,472	2,411	1,330	1,662	2,210	333	7,946
Dec	762	226	887	10	259	2,144	1,869	765	1,098	728	330	4,789
Total	15,073	3,992	13,715	430	3,086	36,297	31,563	22,315	26,050	48,293	6,419	134,640
1990:												
Jan	888	664	1,512	23	197	3,284	2,574	1,186	1,101	1,145	236	6,241
Feb	827	859	1,262	9	122	3,079	2,019	897	824	801	202	4,744
Mar	719	730	1,565	41	202	3,257	1,990	714	868	827	152	4,551
Apr	876	930	1,442	44	209	3,500	1,970	915	938	1,171	179	5,174
May	588	882	1,432	30	280	3,213	2,766	1,653	1,310	2,298	443	8,470
Jun	520	733	1,370	39	395	3,056	3,602	2,242	2,618	3,572	514	12,548
Jul	963	525	1,434	44	332	3,297	4,571	3,609	4,075	5,401	688	18,344
Aug	686	566	1,105	8	253	2,617	4,724	3,508	4,038	6,515	725	19,511
Sep	467	384	900	14	386	2,152	3,595	2,553	3,586	4,943	624	15,300
Oct	700	475	1,024	9	508	2,716	3,771	2,080	2,890	5,145	540	14,425
Nov	677	407	994	9	392	2,479	2,341	1,110	1,511	1,972	286	7,222
Dec	640	319	835	7	372	2,173	1,907	838	1,094	602	220	4,661
Total	8,550	7,473	14,874	277	3,649	34,823	35,829	21,306	24,853	34,392	4,809	121,190
1991:												
Jan	417	521	1,190	18	367	2,513	2,819	1,263	1,109	569	211	5,971
Feb	385	544	1,050	21	404	2,404	2,371	1,093	1,033	236	252	4,985
Mar	724	580	1,258	32	418	3,012	1,904	917	957	262	236	4,276
Apr	1,067	477	1,393	32	414	3,383	2,084	798	890	494	218	4,484
May	1,009	696	1,345	39	492	3,581	2,584	1,302	1,571	1,371	333	7,161
Jun	984	629	1,039	33	480	3,165	3,162	2,057	2,753	2,331	370	10,673
Jul	1,121	838	1,411	75	423	3,868	4,315	3,496	4,168	4,089	690	16,758
Aug	1,024	507	1,162	21	544	3,258	4,334	3,534	4,701	4,583	523	17,675
Sep	1,237	422	974	7	530	3,170	3,953	3,253	4,014	5,546	531	17,297

See footnotes at end of table.

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Appendix table 26--Raw-wool-equivalent of U.S. imports for consumption of wool-containing textile manufactures, 1989-91 1/

Year and month	House furnishings						Floor coverings						
	Blankets	Bed-sheets, pillow-cases, etc.	Table-cloths, placemats, napkins, etc.	Bath-room and kitchen toweling	Curtains, drapes, etc.	Bed-spreads, quilts, and misc.	Total	Knot-ted	Woven	Tufted	Felt, tile, etc.	Misc.	Total
	1,000 lbs.												
1989:	23	--	--	--	--	15	38						
Jan	23	0	--	--	--	28	52	2,455	1,507	323	153	6	4,444
Feb	36	0	--	--	--	24	59	1,992	1,558	380	194	37	4,161
Mar	29	1	--	--	--	25	54	2,198	1,663	472	200	65	4,598
Apr	23	1	--	--	--	18	42	1,831	1,467	342	192	14	3,846
May	30	1	--	--	--	18	48	1,767	1,647	359	307	92	4,172
Jun	42	4	--	--	--	21	66	1,903	1,326	441	231	104	4,005
Jul	34	2	--	--	--	19	56	1,709	1,398	490	238	45	3,880
Aug	54	0	--	--	--	16	71	1,737	1,679	645	174	111	4,346
Sep	36	0	--	--	--	18	54	1,551	1,231	448	144	21	3,395
Oct	43	2	--	--	--	53	98	2,253	1,512	563	267	47	4,642
Nov	39	1	--	--	--	23	63	1,728	1,427	521	97	39	3,812
Dec								2,169	1,332	352	272	36	4,161
Total	410	12	--	--	--	279	700	23,295	17,748	5,336	2,468	617	49,463
1990:	19	0	--	--	--	24	44						
Jan	3	1	--	--	--	22	26	3,031	1,698	527	408	31	5,695
Feb	41	0	--	--	--	12	53	1,599	1,181	370	122	30	3,302
Mar	38	0	--	--	--	29	67	2,042	1,656	484	176	50	4,408
Apr	49	0	--	--	--	24	73	1,520	1,525	467	320	34	3,866
May	54	0	--	--	--	19	73	2,078	1,406	388	113	53	4,038
Jun	52	2	--	--	--	17	71	1,869	1,197	485	161	32	3,744
Jul	105	0	--	--	--	36	141	1,765	1,540	586	146	61	4,098
Aug	106	1	--	--	--	21	129	1,646	1,393	452	158	40	3,689
Sep	60	0	--	--	--	27	88	1,354	1,347	331	77	30	3,139
Oct	66	2	--	--	--	27	95	1,650	1,435	515	83	38	3,721
Nov	58	0	--	--	--	23	81	2,360	1,448	359	68	33	4,268
Dec								1,874	1,095	472	47	21	3,509
Total	651	7	--	--	--	282	940	22,788	16,921	5,436	1,879	453	47,475
1991:	17	0	--	--	--	10	27	2,542	1,323	394	28	60	4,346
Jan	10	1	--	--	--	15	27	2,020	882	322	61	28	3,313
Feb	33	0	--	--	--	35	68	1,909	1,077	290	92	32	3,399
Mar	22	1	--	--	--	12	35	2,273	1,114	518	78	87	4,070
Apr	20	0	--	--	--	23	43	2,506	1,093	507	47	57	4,211
May	31	--	--	--	--	24	54	1,691	1,019	425	120	33	3,287
Jun	48	2	--	--	--	34	83	1,964	1,406	736	92	83	4,281
Aug	31	0	--	--	--	15	46	2,020	1,213	299	104	27	3,663
Sep	40	0	--	--	--	31	71	2,231	1,032	430	107	36	3,835

--- = An absence of trade.

0 = Levels of trade less than 1,000 lbs.

1/ Revised. Totals may not add due to rounding.

Source: Bureau of the Census.

Appendix table 27--Raw-silk-equivalent of U.S. imports for consumption of silk-containing textile manufactures, 1989-91 1/

Year and month	Yarn, thread, and fabric					Apparel					Total
	Yarn, thread, and rope	Broad-woven (inc. pile) fabric	Knit fabric	Narrow, industrial, and misc. fabric	Total	Tops	Bot-toms	Suits and coats	Sweat-ers	Other apparel	
1,000 lbs.											
1989:											
Jan	79	582	--	34	695	1,949	1,278	1,081	1,554	452	6,314
Feb	134	560	--	60	754	1,853	1,374	1,032	8,533	666	13,457
Mar	75	583	--	25	683	1,486	1,177	968	698	449	4,779
Apr	79	551	--	22	651	1,460	978	768	815	399	4,420
May	102	531	--	19	652	1,434	834	705	1,851	555	5,379
Jun	75	610	--	24	709	1,462	592	723	2,286	958	6,020
Jul	95	696	--	30	820	1,335	541	727	2,924	634	6,160
Aug	57	739	--	31	827	1,527	619	743	3,234	577	6,700
Sep	44	634	--	26	703	1,324	568	713	2,850	480	5,934
Oct	52	647	--	33	731	1,615	944	820	3,504	560	7,444
Nov	53	670	--	19	742	1,515	926	890	1,954	529	5,814
Dec	37	498	--	33	568	1,221	1,012	770	767	493	4,263
Total	882	7,299	--	354	8,535	18,182	10,843	9,940	30,969	6,751	76,684
1990:											
Jan	73	559	0	19	651	2,009	1,543	1,106	963	690	6,311
Feb	22	397	--	20	439	1,296	1,463	826	588	662	4,835
Mar	22	440	0	20	481	1,333	1,265	918	305	454	4,276
Apr	29	439	0	21	489	1,444	1,014	603	550	409	4,019
May	23	473	--	28	524	1,459	691	599	1,335	480	4,564
Jun	16	487	0	20	524	1,356	665	660	2,027	466	5,174
Jul	12	578	0	27	617	1,566	711	971	2,583	460	6,292
Aug	22	636	0	17	675	1,674	791	977	2,979	426	6,846
Sep	7	566	0	30	604	1,525	665	939	2,759	501	6,388
Oct	26	833	0	25	885	1,984	900	1,046	4,049	589	8,567
Nov	13	651	0	21	684	1,742	1,035	978	2,221	655	6,630
Dec	17	575	0	14	606	1,419	1,134	882	749	477	4,662
Total	282	6,634	1	262	7,179	18,807	11,876	10,504	21,107	6,268	68,563
1991:											
Jan	12	523	0	34	569	2,125	1,917	1,287	554	653	6,536
Feb	23	427	0	25	475	1,684	1,797	1,207	437	576	5,701
Mar	22	392	0	25	439	1,433	1,324	1,153	288	461	4,660
Apr	15	514	0	19	549	1,537	927	807	361	600	4,232
May	24	489	0	19	532	1,405	845	913	1,113	572	4,848
Jun	25	517	0	11	553	1,220	643	914	1,777	502	5,057
Jul	14	660	0	22	697	1,565	635	975	2,883	690	6,749
Aug	17	630	0	28	675	1,493	452	939	2,663	597	6,145
Sep	41	630	0	21	692	1,354	576	869	3,510	538	6,846

See footnotes at end of table.

Continued----

Appendix table 27--Raw-silk-equivalent of U.S. imports for consumption of silk-containing textile manufactures, 1989-91 1/

Year and month	House furnishings						Floor coverings						
	Blankets	Bed-sheets, pillow-cases, etc.	Table-cloths, placemats, napkins, etc.	Bath-room and kitchen toweling	Curtains, drapes, etc.	Bed-spreads, quilts, and misc.	Total	Knot- ted	Woven	Tufted	Felts, tile, etc.	Misc.	Total
1,000 lbs.													
1989:													
Jan	--	--	52	1	2	10	64	7	31	17	--	--	55
Feb	0	0	21	3	11	8	43	42	59	46	--	--	147
Mar	169	0	28	1	9	3	211	10	56	14	--	--	80
Apr	0	0	37	2	6	27	72	28	54	23	--	--	105
May	0	2	64	0	7	17	90	7	15	17	--	--	39
Jun	0	0	37	0	7	9	54	32	33	8	--	--	73
Jul	0	0	57	0	2	21	81	20	99	15	--	--	134
Aug	0	1	45	0	5	11	62	12	50	6	--	--	68
Sep	0	1	17	0	7	19	44	11	6	19	--	--	36
Oct	0	0	12	0	3	15	31	12	91	15	--	--	118
Nov	0	1	12	0	2	10	25	20	37	11	--	--	68
Dec	0	0	12	0	0	10	23	12	30	5	--	--	47
Total	170	7	394	7	61	162	801	213	561	196	0	0	971
1990:													
Jan	1	0	10	0	0	16	28	4	27	5	--	--	36
Feb	--	0	28	0	0	5	33	7	15	9	--	--	31
Mar	--	0	28	0	1	3	32	8	36	14	--	--	58
Apr	0	0	18	0	0	3	22	17	140	5	--	--	162
May	0	0	4	0	0	48	52	24	38	9	--	--	71
Jun	1	0	7	0	0	21	30	5	51	8	--	--	64
Jul	0	0	9	0	0	17	27	11	56	4	--	--	71
Aug	0	1	27	1	0	6	35	25	38	9	--	--	72
Sep	4	0	45	1	0	3	53	4	39	10	--	--	53
Oct	0	1	133	0	0	4	139	9	96	13	--	--	118
Nov	0	0	124	1	1	4	130	8	78	18	--	--	104
Dec	1	0	251	0	0	4	256	5	102	11	--	--	118
Total	8	3	684	4	3	133	836	127	716	115	0	0	957
1991:													
Jan	0	0	112	0	0	9	121	7	184	5	--	--	196
Feb	0	0	123	0	0	5	129	2	94	5	--	--	101
Mar	0	0	24	0	0	5	29	10	106	14	--	--	130
Apr	0	0	28	0	0	1	31	14	126	20	--	--	160
May	--	0	152	1	0	4	156	3	22	18	--	--	43
Jun	0	1	44	0	0	21	66	11	45	11	--	--	67
Jul	0	1	143	2	--	7	152	5	142	6	--	--	153
Aug	0	1	444	1	--	5	452	3	182	6	--	--	191
Sep	0	0	330	5	--	2	338	2	28	23	--	--	53

--- = An absence of trade.

0 = Levels of trade less than 1,000 lbs.

1/ Revised. Totals may not add due to rounding.

Source: Bureau of the Census.

Appendix table 28--Raw-manmade-fiber-equivalent of U.S. imports for consumption of manmade-fiber-containing textile manufactures, 1989-91 1/

Year and month	Yarn, thread, and fabric						Apparel					
	Yarn, thread, and rope	Broad-woven fabric 100%	Broad-woven fabric blends	Knit fabric	Narrow, industrial, and misc. fabric	Total	Tops	Bot-toms	Suits and coats	Sweat-ers	Other apparel	Total
1,000 lbs.												
1989:												
Jan	19,773	8,177	5,720	849	5,044	39,563	42,180	22,509	10,817	4,594	5,978	86,080
Feb	19,950	8,749	5,060	641	4,035	38,436	35,853	24,044	8,422	4,263	5,784	78,366
Mar	22,974	10,595	5,832	679	3,827	43,907	33,171	22,217	7,180	4,026	5,900	72,493
Apr	21,228	9,164	5,920	1,016	4,132	41,460	30,738	17,896	8,170	8,402	5,996	71,202
May	25,106	10,163	5,672	978	4,972	46,891	40,353	20,756	13,778	16,981	7,648	99,516
Jun	26,815	9,949	5,764	1,190	5,380	49,098	45,791	23,862	16,648	21,547	9,124	116,972
Jul	26,020	9,634	6,118	1,217	4,224	47,213	51,338	26,143	20,017	23,821	10,592	131,911
Aug	27,607	9,504	7,344	1,474	5,036	50,965	54,757	27,216	22,939	24,739	11,063	140,714
Sep	22,692	7,579	5,172	1,112	4,732	41,287	44,849	22,785	17,993	18,369	9,031	113,027
Oct	24,374	9,229	7,329	1,082	5,729	47,743	48,680	24,669	16,219	15,659	9,237	114,464
Nov	21,827	8,306	6,331	1,099	4,914	42,477	39,291	20,541	12,679	5,543	6,889	84,942
Dec	17,942	8,176	5,877	952	4,618	37,565	34,554	19,469	11,305	2,139	6,985	74,452
Total	276,308	109,225	72,139	12,287	56,644	526,604	501,555	272,106	166,168	150,083	94,227	1,184,140
1990:												
Jan	24,130	9,564	7,764	1,409	6,963	49,831	47,431	27,527	14,328	2,736	7,854	99,875
Feb	18,876	8,363	5,776	1,060	6,752	40,827	39,796	25,877	8,520	3,260	6,900	84,353
Mar	22,786	8,532	6,456	1,503	7,345	46,623	38,223	22,266	7,011	3,835	6,533	77,867
Apr	21,297	9,726	6,423	1,909	6,969	46,324	34,496	18,269	8,843	4,631	6,413	72,652
May	24,542	9,793	7,673	2,095	6,548	50,651	41,302	22,224	15,470	7,515	8,357	94,868
Jun	23,352	10,061	6,500	1,999	7,184	49,095	47,536	24,830	20,530	11,799	8,123	112,818
Jul	22,655	11,429	7,316	1,891	6,669	49,962	57,869	27,990	25,548	14,764	8,877	135,048
Aug	23,719	10,073	8,195	2,187	6,594	50,768	56,820	24,964	26,333	14,642	10,164	132,923
Sep	19,353	9,229	6,456	2,025	6,042	43,105	45,037	20,308	19,197	11,558	9,212	105,312
Oct	20,824	10,282	7,093	2,022	7,100	47,321	48,260	22,549	18,893	10,686	7,337	107,726
Nov	18,162	8,970	6,840	1,807	6,871	42,650	34,826	18,914	13,275	4,573	5,424	77,011
Dec	17,428	8,078	6,471	1,365	4,962	38,304	30,167	18,304	10,462	946	5,456	65,337
Total	257,123	114,101	82,964	21,273	80,000	555,461	521,763	274,023	188,411	90,945	90,648	1,165,791
1991:												
Jan	18,553	9,579	7,223	1,566	5,629	42,551	44,693	27,751	13,254	1,382	6,955	94,035
Feb	18,337	7,961	5,723	1,864	5,698	39,584	39,673	23,737	9,523	758	7,477	81,168
Mar	20,437	8,381	6,831	1,682	5,316	42,647	34,922	19,563	7,270	917	7,254	69,926
Apr	21,248	10,561	7,864	2,088	6,350	48,111	33,397	17,750	8,026	1,676	6,334	67,182
May	24,915	10,171	7,627	2,280	6,416	51,409	37,630	20,318	13,637	4,621	7,365	83,571
Jun	23,115	10,534	7,489	2,267	5,938	49,342	42,742	22,294	18,879	7,404	7,093	98,411
Jul	25,243	11,488	8,390	2,516	5,621	53,259	55,024	28,513	25,027	10,970	8,132	127,665
Aug	26,061	11,057	8,508	2,451	6,310	54,387	51,188	24,814	26,331	11,294	7,112	120,739
Sep	23,991	10,185	7,041	2,232	7,123	50,573	49,227	23,571	21,474	12,144	7,136	113,552

See footnotes at end of table.

Continued---



Appendix table 28--Raw-manmade-fiber-equivalent of U.S. imports for consumption of manmade-fiber-containing textile manufactures, 1989-91 1/

Year and month	House furnishings						Floor coverings						
	Blankets	Bed-sheets, pillow-cases, etc.	Table-cloths, place-mats, napkins, etc.	Bath-room and kitchen toweling	Curtains drapes, etc.	Bed-spreads, quilts and misc.	Total	Knot-ted	Woven	Tufted	Felts, tile, etc.	Misc.	Total
	1,000 lbs.												
1989:													
Jan	689	1,342	1,519	755	802	1,038	6,146	404	1,163	2,564	37	667	4,835
Feb	478	1,136	1,064	788	707	889	5,062	269	602	2,642	47	436	3,996
Mar	558	1,058	1,109	834	605	1,050	5,213	251	947	2,812	48	750	4,808
Apr	503	1,184	1,296	606	883	976	5,448	188	1,225	2,483	47	680	4,623
May	747	1,265	1,251	894	881	683	5,721	186	1,138	2,826	74	748	4,972
Jun	857	1,284	1,391	597	1,127	2,422	7,678	241	1,326	3,033	56	852	5,508
Jul	1,080	1,180	2,215	759	761	1,673	7,667	68	1,082	2,346	58	567	4,121
Aug	1,597	1,511	1,877	858	1,220	1,347	8,409	57	1,270	2,551	42	820	4,740
Sep	1,361	992	1,966	678	634	1,700	7,332	60	496	2,312	35	660	3,563
Oct	1,430	1,725	1,851	994	1,260	1,266	8,527	38	1,109	2,835	65	836	4,883
Nov	1,324	1,228	887	861	1,100	1,432	6,832	92	1,138	2,234	24	553	4,041
Dec	1,301	986	615	857	937	789	5,486	45	1,296	2,261	66	672	4,340
Total	11,926	14,891	17,039	9,482	10,917	15,265	79,520	1,899	12,792	30,899	599	8,241	54,430
1990:													
Jan	704	1,632	821	1,145	557	1,095	5,955	53	1,071	2,733	99	772	4,728
Feb	547	1,784	1,187	1,030	728	1,945	7,221	20	1,157	2,746	29	579	4,531
Mar	473	1,388	1,435	888	1,092	2,019	7,296	45	1,403	3,529	43	572	5,592
Apr	598	1,215	1,268	835	794	1,438	6,148	47	1,117	3,118	78	444	4,804
May	716	880	1,345	782	873	914	5,510	128	912	3,140	27	535	4,742
Jun	907	964	1,111	715	701	899	5,297	99	1,173	3,635	39	385	5,331
Jul	1,338	1,845	1,788	692	977	659	7,300	73	837	2,863	35	515	4,323
Aug	1,366	1,294	1,948	826	749	981	7,163	71	819	2,165	38	675	3,768
Sep	1,314	1,077	1,586	661	851	448	5,936	126	712	2,251	19	551	3,659
Oct	1,818	1,338	1,220	853	758	1,133	7,120	128	727	3,042	20	787	4,704
Nov	1,652	1,075	936	775	589	437	5,464	41	714	2,228	16	810	3,809
Dec	1,672	1,323	721	714	507	363	5,300	84	610	1,633	11	588	2,926
Total	13,104	15,815	15,366	9,914	9,177	12,331	75,708	915	11,252	33,083	454	7,213	52,919
1991:													
Jan	750	1,137	1,311	1,116	667	506	5,488	182	732	1,949	7	721	3,591
Feb	573	1,212	1,158	917	639	509	5,007	137	635	2,002	15	360	3,149
Mar	526	1,010	796	684	653	653	4,323	45	804	2,262	22	866	3,999
Apr	474	929	1,101	788	583	312	4,187	152	882	2,424	19	764	4,241
May	616	965	1,063	731	690	377	4,441	146	1,215	2,495	11	702	4,569
Jun	817	1,042	943	796	631	874	5,103	73	998	2,972	29	539	4,611
Jul	778	1,398	1,731	761	609	3,629	8,906	142	1,141	2,244	22	464	4,014
Aug	1,010	1,207	1,708	781	784	1,402	6,891	57	1,026	2,365	25	412	3,885
Sep	1,060	1,534	2,116	754	796	671	6,931	106	733	2,800	26	245	3,910

--- = An absence of trade.

1/ Revised. Totals may not add due to rounding.

Source: Bureau of the Census.

Appendix table 29--Raw-cotton-equivalent of U.S. exports of cotton-containing textile manufactures, 1989-91 1/

Year and month	Yarn, thread, and fabric						Apparel					
	Yarn, thread, and rope	Broad-woven fabric 100%	Broad-woven fabric blends	Knit fabric	Narrow, industrial, and misc. fabric	Total	Tops	Bot-toms	Suits and coats	Sweat-ers	Other apparel	Total
	1,000 lbs.											
1989:												
Jan	2,631	3,902	4,434	1,162	4,243	16,371	4,234	5,259	685	120	1,864	12,162
Feb	2,910	4,232	4,726	1,826	4,946	18,640	6,923	7,227	653	76	3,137	18,016
Mar	3,016	5,011	5,906	2,281	4,478	20,692	7,449	8,003	767	94	2,533	18,847
Apr	1,561	4,656	5,774	2,366	5,696	20,053	6,469	6,158	577	131	2,954	16,289
May	2,439	4,015	5,443	2,321	5,559	19,778	7,511	5,988	772	56	2,848	17,176
Jun	3,313	4,490	4,555	1,990	5,665	20,013	8,230	8,006	865	251	2,581	19,932
Jul	2,324	3,979	4,332	1,130	5,977	17,742	6,392	6,378	770	133	2,127	15,800
Aug	3,582	4,567	5,798	1,314	6,271	21,531	7,491	7,426	856	257	2,437	18,468
Sep	2,856	3,758	5,268	1,727	5,285	18,893	7,400	7,146	782	178	2,547	18,054
Oct	3,049	4,541	6,013	1,405	6,900	21,908	8,632	7,426	998	126	2,563	19,745
Nov	4,001	3,924	6,153	1,267	5,450	20,795	7,224	6,632	813	193	2,250	17,113
Dec	3,337	4,320	5,787	1,192	6,335	20,973	7,244	6,934	791	295	2,371	17,635
Total	35,019	51,395	64,189	19,983	66,804	237,390	85,200	82,582	9,332	1,911	30,212	209,237
1990:												
Jan	3,283	5,497	8,431	2,497	5,041	24,748	7,703	6,374	794	113	2,672	17,656
Feb	4,355	4,988	8,061	2,190	5,923	25,518	7,800	7,990	833	350	2,645	19,619
Mar	4,053	6,212	9,518	3,175	5,738	28,695	9,746	9,360	1,076	162	2,831	23,175
Apr	4,408	5,735	8,191	2,425	5,029	25,788	8,828	8,439	940	247	2,614	21,068
May	4,987	6,030	8,282	2,790	5,476	27,565	9,318	8,432	1,017	244	2,899	21,910
Jun	4,877	5,331	9,451	2,978	6,330	28,968	8,514	9,374	999	388	3,157	22,431
Jul	3,162	5,408	7,960	2,287	5,577	24,393	8,679	6,844	1,159	195	2,209	19,086
Aug	3,994	5,553	8,212	3,110	5,718	26,587	9,577	8,086	1,251	150	3,123	22,187
Sep	3,933	5,053	8,619	3,609	5,276	26,489	8,872	9,234	1,280	174	3,027	22,586
Oct	5,138	6,555	8,390	3,963	6,047	30,092	10,805	10,996	1,183	168	3,340	26,493
Nov	4,640	6,395	8,994	2,754	5,205	27,988	9,929	12,025	1,494	145	2,846	26,440
Dec	5,561	6,562	8,831	2,573	6,005	29,532	8,878	8,614	1,177	152	2,718	21,539
Total	52,390	69,318	102,940	34,351	67,365	326,363	109,650	105,768	13,204	2,488	34,080	265,190
1991:												
Jan	5,391	5,309	8,045	2,778	5,161	26,685	7,802	7,266	1,217	130	1,984	18,398
Feb	4,940	5,369	8,558	2,811	5,420	27,098	9,641	9,496	1,042	125	1,976	22,281
Mar	6,146	5,488	9,206	3,605	5,543	29,989	11,127	9,443	1,226	109	2,494	24,399
Apr	4,767	5,587	8,164	3,903	7,693	30,114	11,088	9,655	950	141	2,729	24,563
May	5,282	6,305	7,859	4,304	6,417	30,167	10,967	10,959	1,046	163	2,764	25,899
Jun	4,829	6,332	6,439	4,505	5,834	27,940	10,513	9,900	883	304	2,797	24,397
Jul	3,779	4,820	5,042	2,716	6,580	22,936	9,402	10,187	1,126	86	2,849	23,650
Aug	3,768	5,351	7,651	3,903	6,449	27,122	11,390	10,685	1,295	332	2,852	26,554
Sep	4,355	4,977	7,457	4,765	5,168	26,722	11,444	11,509	1,090	210	3,320	27,572

See footnotes at end of table.

Continued--

Appendix table 29--Raw-cotton-equivalent of U.S. exports of cotton-containing textile manufactures, 1989-91 1/

Year and month	House furnishings						Floor coverings						
	Blan-kets	Bed-sheets pillow cases etc.	Table-cloths, placemats, napkins, etc.	Bath-room and kitchen toweling	Curtains, drapes etc.	Bed-spreads, quilts, and misc.	Total	Knot-ted	Woven	Tufted	Felt, tile, etc.	Misc.	Total
1,000 lbs.													
1989:													
Jan	69	449	18	191	12	238	978	151	629	800	0	437	2,017
Feb	51	707	24	431	43	185	1,440	154	1,058	1,346	0	1,380	3,938
Mar	55	686	30	498	34	130	1,433	108	681	1,511	0	701	3,000
Apr	41	625	25	516	78	253	1,539	122	637	1,534	0	853	3,145
May	37	729	107	711	42	193	1,820	100	702	1,620	0	915	3,337
Jun	55	960	35	682	66	149	1,947	118	556	1,165	0	729	2,568
Jul	31	683	45	769	55	421	2,004	102	661	1,117	0	678	2,557
Aug	31	1,075	49	803	92	194	2,245	133	1,062	1,687	0	656	3,537
Sep	48	793	54	751	58	209	1,913	105	958	1,515	0	870	3,448
Oct	47	901	56	864	51	114	2,031	167	798	1,634	0	714	3,312
Nov	53	848	41	617	14	112	1,683	145	997	1,021	0	983	3,145
Dec	35	585	48	743	39	102	1,552	117	827	1,505	0	549	2,997
Total	553	9,042	532	7,575	583	2,301	20,586	1,519	9,562	16,453	0	9,464	36,998
1990:													
Jan	225	851	45	982	33	132	2,102	113	830	1,143	0	527	2,612
Feb	194	928	19	760	63	92	1,921	97	631	1,118	0	571	2,416
Mar	226	1,097	32	1,435	80	144	2,856	113	792	1,278	0	815	2,998
Apr	194	1,423	44	909	93	141	3,848	97	925	1,083	0	493	2,598
May	216	1,274	47	1,334	73	141	4,120	108	720	2,107	0	448	3,382
Jun	234	1,151	87	1,066	54	136	3,339	117	458	1,584	0	614	2,773
Jul	162	828	40	879	58	130	2,172	81	587	1,296	0	599	2,562
Aug	166	867	52	865	40	173	2,294	83	592	2,247	0	674	3,595
Sep	102	812	51	885	79	152	2,196	51	550	2,135	0	798	3,533
Oct	81	1,151	57	1,255	75	179	3,042	41	454	2,758	0	676	3,928
Nov	79	1,478	45	776	107	155	2,982	40	649	1,445	0	603	2,736
Dec	68	1,165	31	823	73	103	2,395	34	589	1,466	0	459	2,548
Total	5,218	13,024	550	11,969	829	1,677	33,267	974	7,774	19,655	0	7,274	35,676
1991:													
Jan	242	1,076	23	795	62	96	2,294	23	538	1,822	0	533	2,915
Feb	354	811	42	996	98	121	2,421	40	663	1,620	0	550	2,872
Mar	461	1,301	29	1,061	41	119	3,013	14	1,007	1,364	0	507	2,891
Apr	572	1,266	66	1,405	69	132	3,510	21	605	1,952	0	759	3,337
May	575	1,169	24	1,214	68	170	3,220	28	661	2,210	0	432	3,330
Jun	651	1,202	24	1,545	76	192	3,691	41	668	1,914	0	569	3,192
Jul	331	1,267	63	1,439	59	135	3,293	27	490	2,754	0	728	3,999
Aug	437	1,099	56	1,216	66	132	3,005	51	752	3,736	0	513	5,052
Sep	617	1,164	43	1,292	72	178	3,366	40	785	2,564	0	708	4,097

--- = An absence of trade.

1/ Revised. Totals may not add due to rounding.

Source: Bureau of the Census.

Appendix table 30--Raw-linen-equivalent of U.S. exports of linen-containing textile manufactures, 1989-91 1/

Year and month	Yarn, thread, and fabric					Apparel					
	Yarn, thread, and rope	Broad-woven (inc. pile) fabric	Knit fabric	Narrow industrial, and misc. fabric	Total	Tops	Bot-toms	Suits and coats	Sweat-ers	Other apparel	Total
1,000 lbs.											
1989:											
Jan	312	383	17	2,087	2,800	161	181	324	21	32	718
Feb	370	340	202	607	1,518	224	121	364	5	99	813
Mar	555	568	200	1,243	2,567	399	145	310	5	123	982
Apr	405	544	269	667	1,885	247	142	480	10	74	954
May	491	542	202	684	1,819	285	230	609	4	135	1,263
Jun	389	596	275	705	1,965	265	313	403	13	140	1,134
Jul	407	490	153	688	1,738	260	231	326	32	120	970
Aug	417	389	133	583	1,522	212	194	497	26	134	1,063
Sep	595	468	227	592	1,882	174	178	496	52	79	980
Oct	572	589	323	2,433	3,917	278	163	525	12	149	1,128
Nov	626	502	258	1,144	2,530	243	206	573	22	78	1,123
Dec	371	618	199	1,283	2,471	221	163	571	9	67	1,032
Total	5,511	6,029	2,457	12,716	26,712	2,972	2,269	5,478	212	1,230	12,160
1990:											
Jan	503	558	147	2,037	3,244	192	116	749	5	45	1,108
Feb	646	628	128	2,175	3,576	220	195	726	2	107	1,251
Mar	482	528	222	2,219	3,451	334	258	839	9	70	1,509
Apr	641	593	347	1,271	2,852	311	233	634	7	107	1,292
May	693	576	268	1,717	3,253	290	286	563	11	60	1,210
Jun	2,097	683	273	1,541	4,594	256	357	701	4	49	1,368
Jul	706	518	278	1,091	2,593	194	206	602	18	34	1,055
Aug	567	793	244	1,029	2,633	325	288	784	12	195	1,604
Sep	531	467	221	1,074	2,293	243	179	690	14	60	1,186
Oct	430	620	178	1,061	2,288	299	395	670	10	90	1,463
Nov	536	605	197	1,179	2,517	278	379	677	19	80	1,433
Dec	479	425	173	1,032	2,109	413	199	618	11	74	1,315
Total	8,312	6,991	2,676	17,424	35,404	3,356	3,093	8,254	123	969	15,794
1991:											
Jan	853	366	164	1,278	2,662	161	188	370	10	83	812
Feb	452	480	206	1,267	2,406	276	208	542	9	65	1,100
Mar	568	432	218	1,275	2,493	222	416	483	5	68	1,194
Apr	1,044	588	174	1,210	3,016	223	286	458	5	103	1,075
May	1,761	457	378	1,161	3,757	267	476	444	2	60	1,250
Jun	751	584	232	1,039	2,606	333	389	320	7	66	1,114
Jul	545	585	219	905	2,255	291	272	501	3	194	1,261
Aug	552	372	229	1,133	2,286	346	604	579	13	68	1,610
Sep	517	598	329	1,095	2,538	295	458	507	13	207	1,481

See footnotes at end of table.

Continued---

Appendix table 30--Raw-linen-equivalent of U.S. exports of linen-containing textile manufactures, 1989-91 1/

Year and month	House furnishings						Floor coverings						
	Blankets	Bed-sheets, pillow-cases, etc.	Table-cloths, placemats, napkins, etc.	Bath-room and kitchen toweling	Curtains, drapes, etc.	Bed-spreads, quilts, and misc.	Total	Knot- ted	Woven	Tufted	Felt, tile, etc.	Misc.	Total
1,000 lbs.													
1989:													
Jan	2	149	1	3	34	43	232	30	48	267	0	87	431
Feb	4	92	3	24	17	50	190	31	15	461	0	273	780
Mar	4	121	0	3	29	59	216	21	62	397	0	139	618
Apr	3	165	1	22	18	74	283	24	10	516	0	169	718
May	2	159	14	6	37	120	339	20	16	439	0	181	656
Jun	3	70	1	3	36	44	157	24	48	421	0	144	636
Jul	2	82	--	33	53	37	208	20	37	354	0	134	545
Aug	3	44	0	11	46	42	147	26	11	469	0	130	635
Sep	7	63	1	8	46	63	187	21	30	469	0	172	692
Oct	15	40	0	7	71	47	180	33	77	524	0	141	775
Nov	5	93	--	9	47	29	183	29	397	426	0	195	1,046
Dec	8	48	4	16	52	21	149	23	26	466	0	109	623
Total	59	1,127	25	144	487	630	2,471	301	774	5,208	0	1,871	8,152
1990:													
Jan	4	32	4	4	173	11	227	22	112	650	0	105	888
Feb	1	72	0	3	75	27	178	19	163	683	0	113	978
Mar	8	124	1	10	80	46	269	23	147	944	0	161	1,274
Apr	553	74	1	6	82	15	731	19	89	818	0	98	1,023
May	597	36	4	16	110	27	790	22	24	833	0	89	967
Jun	292	54	3	4	125	29	507	23	26	746	0	122	917
Jul	81	42	1	2	95	21	241	16	119	680	0	119	933
Aug	81	50	28	2	59	45	265	17	85	833	0	133	1,068
Sep	76	47	1	21	63	11	220	10	71	755	0	158	993
Oct	114	51	2	6	94	19	285	8	67	911	0	134	1,119
Nov	101	112	4	5	68	11	302	8	54	757	0	119	938
Dec	76	88	0	3	50	36	252	7	125	692	0	91	915
Total	1,984	781	50	80	1,073	299	4,267	192	1,080	9,300	0	1,439	12,010
1991:													
Jan	50	25	1	4	46	16	142	5	60	794	0	106	964
Feb	120	57	0	3	34	15	229	8	27	666	0	109	810
Mar	133	18	3	1	35	36	226	3	106	831	0	100	1,040
Apr	204	53	1	2	124	16	401	4	58	972	0	150	1,184
May	185	127	4	6	38	28	389	6	41	1,015	0	86	1,146
Jun	253	22	1	97	74	23	470	8	32	1,051	0	113	1,203
Jul	125	56	2	4	57	18	261	6	65	1,109	0	144	1,323
Aug	150	104	1	2	56	19	331	10	52	1,143	0	101	1,306
Sep	242	148	2	4	75	24	494	8	114	1,199	0	140	1,461

--- = An absence of trade.

0 = Levels of trade less than 1,000 lbs.

1/ Revised. Totals may not add due to rounding.

Source: Bureau of the Census.

Appendix table 31--Raw-wool-equivalent of U.S. exports of wool-containing textile manufactures, 1989-91 1/

Year and month	Yarn, thread, and fabric					Apparel						
	Noils and waste	Yarn, thread, and cordage, and rope	Broad-woven (inc. pile) fabric	Knit fabric	Narrow, industrial, and misc. fabric	Total	Tops	Bot-toms	Suits and coats	Sweat-ers	Other apparel	Total
	1,000 lbs.											
1989:												
Jan	214	6	261	268	1,614	2,363	27	254	341	51	114	786
Feb	509	30	363	140	2,052	3,094	55	353	423	77	115	1,023
Mar	857	74	552	75	1,492	3,049	40	402	544	94	224	1,304
Apr	523	292	425	184	1,693	3,117	39	456	563	164	203	1,425
May	495	26	421	156	2,414	3,511	59	769	577	53	198	1,656
Jun	286	11	436	306	2,066	3,105	27	695	595	246	210	1,773
Jul	256	14	340	452	1,976	3,038	35	272	581	66	182	1,137
Aug	103	15	301	211	1,666	2,295	24	336	679	218	199	1,457
Sep	337	22	348	179	1,544	2,430	53	401	820	141	116	1,530
Oct	536	20	381	293	2,220	3,449	41	336	667	78	162	1,285
Nov	189	33	321	328	1,704	2,575	25	318	367	122	134	965
Dec	318	16	236	349	2,134	3,053	17	290	341	366	129	1,143
Total	4,624	559	4,384	2,940	22,573	35,079	441	4,883	6,499	1,675	1,989	15,486
1990:												
Jan	436	63	471	306	793	2,068	176	256	476	120	147	1,175
Feb	190	46	354	59	1,346	1,995	65	273	718	445	188	1,689
Mar	426	58	576	57	1,151	2,268	76	421	743	133	166	1,538
Apr	316	39	393	136	1,331	2,214	107	386	965	247	148	1,853
May	276	74	478	64	1,375	2,268	50	835	716	301	185	2,087
Jun	438	45	447	37	1,247	2,214	52	587	880	513	169	2,200
Jul	121	42	339	73	1,163	1,738	39	845	734	194	184	1,996
Aug	165	28	370	123	1,568	2,255	52	636	866	134	325	2,013
Sep	187	53	386	37	867	1,529	51	839	677	165	268	2,000
Oct	191	27	352	46	1,130	1,745	50	576	587	157	305	1,675
Nov	123	21	298	96	1,661	2,199	41	418	509	125	171	1,265
Dec	212	45	314	24	1,355	1,951	48	373	471	118	147	1,157
Total	3,081	540	4,778	1,057	14,988	24,445	808	6,445	8,341	2,652	2,402	20,648
1991:												
Jan	283	37	310	57	1,404	2,090	43	276	410	133	165	1,028
Feb	189	55	319	37	1,513	2,113	51	293	523	88	170	1,124
Mar	241	49	398	28	1,194	1,910	75	401	623	149	157	1,405
Apr	448	28	478	82	1,304	2,339	92	526	822	230	212	1,882
May	256	53	466	26	1,594	2,396	102	663	883	179	314	2,141
Jun	233	101	475	192	1,384	2,386	127	557	692	142	342	1,859
Jul	121	47	486	74	1,382	2,110	102	525	740	138	270	1,775
Aug	306	23	531	19	2,102	2,981	136	591	837	157	256	1,977
Sep	440	39	425	18	1,543	2,465	95	455	605	132	265	1,552

See footnotes at end of table.

Continued---

Appendix table 31--Raw-wool-equivalent of U.S. exports of wool-containing textile manufactures, 1989-91 1/

Year and month	House furnishings						Floor coverings						
	Blankets	Bed-sheets, pillow-cases, etc.	Table-cloths, placemats, napkins, etc.	Bath-room and kitchen toweling	Curtains, drapes, etc.	Bed-spreads, quilts, and misc.	Total	Knot-ted	Woven	Tufted	Felt, tile, etc.	Misc.	Total
1,000 lbs.													
1989:													
Jan	6	--	--	--	--	33	40	435	463	112	126	410	1,545
Feb	18	--	2	--	--	45	65	241	684	66	84	1,294	2,368
Mar	20	--	0	--	--	51	71	279	289	33	46	658	1,303
Apr	7	--	--	--	--	43	50	89	135	31	72	800	1,126
May	16	--	--	--	--	108	125	73	94	7	86	858	1,118
Jun	50	--	--	--	--	35	85	156	70	11	107	683	1,026
Jul	7	--	--	--	--	31	38	152	125	33	63	636	1,008
Aug	4	--	0	--	--	37	41	109	77	59	79	615	938
Sep	11	--	0	--	--	53	64	77	121	19	67	816	1,098
Oct	22	--	0	--	--	41	63	124	97	59	53	669	1,001
Nov	9	--	--	--	--	22	32	137	156	19	125	922	1,358
Dec	11	--	0	--	--	20	31	111	275	73	160	514	1,132
Total	182	--	3	--	--	519	705	1,979	2,583	520	1,065	8,871	15,017
1990:													
Jan	9	--	0	--	--	10	20	147	98	64	77	494	879
Feb	6	--	0	--	--	24	30	248	89	58	209	535	1,138
Mar	31	--	0	--	--	41	72	218	139	175	132	764	1,427
Apr	519	--	1	--	--	14	534	227	99	263	59	462	1,110
May	564	--	0	--	--	24	588	204	78	37	96	420	833
Jun	287	--	--	--	--	21	308	158	89	124	55	576	1,000
Jul	112	--	1	--	--	19	131	166	262	51	36	561	1,075
Aug	109	--	--	--	--	41	150	77	104	51	90	631	953
Sep	85	--	0	--	--	9	95	131	162	11	24	748	1,075
Oct	120	--	0	--	--	17	136	54	151	53	103	634	994
Nov	111	--	0	--	--	9	120	69	236	45	28	565	942
Dec	83	--	0	--	--	32	115	186	98	41	76	431	831
Total	2,035	--	2	--	--	261	2,299	1,883	1,601	969	983	6,818	12,254
1991:													
Jan	54	--	--	--	--	13	67	46	47	49	34	499	674
Feb	119	--	0	--	--	14	133	22	975	81	71	516	1,664
Mar	130	--	1	--	--	32	163	29	173	32	51	475	759
Apr	200	--	1	--	--	15	215	48	127	53	59	712	997
May	183	--	1	--	--	26	210	168	151	34	30	405	788
Jun	306	--	--	--	--	21	327	28	185	44	30	534	820
Jul	170	--	1	--	--	14	185	108	144	188	73	683	1,196
Aug	166	--	0	--	--	16	183	38	273	193	32	480	1,016
Sep	265	--	1	--	--	19	285	38	71	207	47	663	1,026

--- = An absence of trade.  
 0 = Levels of trade less than 1,000 lbs.  
 1/ Revised. Totals may not add due to rounding.

Source: Bureau of the Census.

Appendix table 32--Raw-silk-equivalent of U.S. exports of silk-containing textile manufactures, 1989-91 1/

Year and month	Yarn, thread, and fabric					Apparel					Total
	Yarn, thread, and cordage, and rope	Broad-woven (inc. pile) fabric	Knit fabric	Narrow, industrial, and misc. fabric	Total	Tops	Bot-toms	Suits and coats	Sweat-ers	Other apparel	
1,000 lbs.											
1989:											
Jan	134	96	21	590	841	184	99	20	25	698	1,026
Feb	117	153	280	599	1,149	268	49	28	42	760	1,147
Mar	88	270	216	451	1,024	310	42	26	58	842	1,278
Apr	84	295	329	538	1,247	237	40	23	107	685	1,091
May	100	247	309	608	1,264	326	47	33	27	1,211	1,644
Jun	67	414	406	647	1,534	303	25	21	123	903	1,376
Jul	134	302	313	725	1,474	269	51	30	43	781	1,173
Aug	211	223	224	482	1,139	243	32	27	108	1,012	1,422
Sep	114	189	298	450	1,050	302	28	32	62	906	1,329
Oct	98	346	411	806	1,660	297	22	29	34	702	1,084
Nov	104	202	418	348	1,073	275	28	20	49	676	1,048
Dec	83	252	341	570	1,246	257	45	13	211	499	1,025
Total	1,335	2,987	3,567	6,813	14,701	3,271	507	302	887	9,675	14,643
1990:											
Jan	131	374	283	378	1,165	221	22	18	70	661	992
Feb	203	355	316	344	1,218	258	29	47	284	660	1,277
Mar	89	293	516	562	1,459	415	43	42	86	512	1,098
Apr	164	303	518	386	1,371	392	9	52	159	465	1,077
May	81	361	440	474	1,356	290	69	37	120	577	1,093
Jun	58	297	445	257	1,056	288	74	41	331	471	1,205
Jul	163	334	575	542	1,614	339	34	49	128	518	1,068
Aug	202	370	363	318	1,253	301	60	54	64	567	1,047
Sep	93	263	369	733	1,457	290	36	44	70	750	1,190
Oct	96	381	359	654	1,490	412	81	50	68	888	1,499
Nov	99	339	540	595	1,573	466	66	66	59	636	1,292
Dec	158	217	400	605	1,379	336	60	73	40	612	1,121
Total	1,536	3,885	5,123	5,847	16,391	4,009	581	572	1,480	7,318	13,960
1991:											
Jan	344	202	462	663	1,672	575	22	48	32	138	815
Feb	192	182	622	415	1,411	493	34	47	37	163	774
Mar	258	192	707	627	1,784	1,027	28	52	41	212	1,360
Apr	241	255	595	593	1,685	1,001	27	37	64	240	1,369
May	113	227	871	504	1,715	1,279	58	35	68	261	1,700
Jun	136	198	720	710	1,764	1,069	42	36	61	201	1,409
Jul	105	288	587	663	1,643	785	63	57	31	155	1,092
Aug	89	177	693	760	1,720	877	90	71	53	224	1,314
Sep	96	218	733	650	1,698	899	71	35	50	302	1,358

See footnotes at end of table.

Continued---



Appendix table 32--Raw-silk-equivalent of U.S. exports of silk-containing textile manufactures, 1989-91 1/

Year and month	House furnishings						Floor coverings						
	Blan-kets	Bed-sheets, pillow-cases, etc.	Table-cloths, placemats, napkins, etc.	Bath-room and kitchen toweling	Curtains, drapes, etc.	Bed-spreads, quilts, and misc.	Total	Knot-ted	Woven	Tufted	Felt, tile, etc.	Misc.	Total
1,000 lbs.													
1989:													
Jan	--	142	9	2	--	24	176	--	--	--	--	--	--
Feb	--	85	18	3	--	32	139	--	--	--	--	--	--
Mar	--	110	9	1	--	37	157	--	--	--	--	--	--
Apr	--	141	91	9	--	31	272	--	--	--	--	--	--
May	--	146	35	2	--	75	258	--	--	--	--	--	--
Jun	--	63	10	1	--	25	99	--	--	--	--	--	--
Jul	--	72	18	5	--	22	118	--	--	--	--	--	--
Aug	--	41	44	3	--	29	117	--	--	--	--	--	--
Sep	--	56	28	3	--	39	125	--	--	--	--	--	--
Oct	--	35	16	1	--	32	85	--	--	--	--	--	--
Nov	--	81	9	1	--	17	108	--	--	--	--	--	--
Dec	--	38	3	1	--	15	56	--	--	--	--	--	--
Total	--	1,010	292	31	--	377	1,711	0	0	0	0	0	0
1990:													
Jan	--	29	5	1	--	7	43	--	--	--	--	--	--
Feb	--	56	8	1	--	17	82	--	--	--	--	--	--
Mar	--	111	15	1	--	29	157	--	--	--	--	--	--
Apr	--	70	43	0	--	11	124	--	--	--	--	--	--
May	--	29	34	2	--	17	83	--	--	--	--	--	--
Jun	--	48	37	2	--	15	102	--	--	--	--	--	--
Jul	--	38	27	1	--	13	79	--	--	--	--	--	--
Aug	--	43	44	0	--	36	123	--	--	--	--	--	--
Sep	--	43	104	2	--	7	156	--	--	--	--	--	--
Oct	--	45	119	3	--	12	179	--	--	--	--	--	--
Nov	--	96	84	2	--	7	189	--	--	--	--	--	--
Dec	--	72	60	1	--	23	155	--	--	--	--	--	--
Total	--	681	581	16	--	193	1,471	0	0	0	0	0	0
1991:													
Jan	--	19	30	1	--	9	60	--	--	--	--	--	--
Feb	--	53	24	1	--	10	89	--	--	--	--	--	--
Mar	--	12	21	0	--	23	55	--	--	--	--	--	--
Apr	--	46	23	0	--	11	80	--	--	--	--	--	--
May	--	119	11	0	--	19	149	--	--	--	--	--	--
Jun	--	20	17	1	--	17	54	--	--	--	--	--	--
Jul	--	49	50	1	--	12	111	--	--	--	--	--	--
Aug	--	92	12	1	--	12	116	--	--	--	--	--	--
Sep	--	131	42	1	--	14	188	--	--	--	--	--	--

--- = An absence of trade.

0 = Levels of trade less than 1,000 lbs.

1/ Revised. Totals may not add due to rounding.

Source: Bureau of the Census.

Appendix table 33--Raw-manmade-fiber-equivalent of U.S. exports of manmade fiber-containing textile manufactures, 1989-91 1/

Year and month	Yarn, thread, and fabric					Apparel						
	Yarn, thread, and rope	Broad-woven fabric 100%	Broad-woven fabric blends	Knit fabric	Narrow, industrial, and misc. fabric	Total	Tops	Bot-toms	Suits and coats	Sweat-ers	Other apparel	Total
1,000 lbs.												
1989:												
Jan	35,986	7,239	2,931	1,662	8,466	56,283	4,242	1,649	1,240	63	1,942	9,135
Feb	35,156	10,675	3,047	2,320	13,041	64,239	5,841	2,607	1,337	72	2,503	12,360
Mar	36,776	12,795	3,548	2,085	13,252	68,456	6,720	2,202	1,518	92	2,851	13,382
Apr	41,462	10,327	3,469	1,950	14,135	71,342	6,111	2,577	1,318	174	3,389	13,569
May	31,288	9,857	3,560	3,006	14,844	62,555	7,379	2,008	1,342	47	2,723	13,500
Jun	30,998	11,050	3,559	3,003	14,748	63,358	7,040	2,957	1,633	240	2,859	14,729
Jul	33,408	8,846	2,984	2,126	12,797	60,161	5,378	2,143	1,534	73	2,478	11,606
Aug	32,100	9,257	3,414	1,989	15,902	62,662	6,783	2,558	1,858	196	2,784	14,180
Sep	28,768	10,475	4,028	1,669	11,701	56,640	6,457	2,918	1,841	101	2,700	14,016
Oct	34,591	10,565	4,154	2,506	17,084	68,901	6,449	1,989	1,658	83	3,025	13,203
Nov	33,387	9,464	3,739	1,395	14,161	62,146	5,642	1,723	1,791	103	2,430	11,689
Dec	31,523	8,308	3,545	1,676	14,530	59,581	5,667	1,727	1,477	353	2,154	11,378
Total	405,442	118,857	41,977	25,388	164,660	756,324	73,710	27,058	18,545	1,598	31,837	152,748
1990:												
Jan	38,873	11,278	5,240	2,487	16,702	74,581	5,437	1,722	1,309	115	2,609	11,193
Feb	38,197	10,706	5,207	2,641	17,320	74,070	5,726	1,934	1,517	432	2,736	12,344
Mar	42,537	12,885	6,223	2,999	18,132	82,776	7,230	2,539	1,700	136	3,090	14,695
Apr	41,382	11,049	5,264	2,926	16,098	76,718	6,146	1,950	1,487	272	2,593	12,449
May	48,530	11,775	5,895	3,228	20,812	90,240	7,243	2,025	1,570	217	2,922	13,978
Jun	41,915	11,983	5,514	3,600	20,468	83,480	7,093	3,049	1,727	509	3,022	15,401
Jul	31,139	9,595	4,655	3,021	14,927	63,337	6,110	1,725	1,962	195	3,090	13,082
Aug	42,952	10,292	5,182	3,466	16,552	78,443	7,201	1,952	1,904	152	3,554	14,763
Sep	41,287	9,998	5,045	3,184	15,250	74,763	6,077	2,190	2,019	175	3,438	13,899
Oct	44,412	11,288	5,405	4,036	16,986	82,126	7,393	2,363	2,341	153	3,871	15,120
Nov	45,046	12,789	5,126	3,141	16,664	82,766	6,486	2,404	2,601	125	2,869	14,485
Dec	41,303	9,917	5,361	2,906	15,685	75,172	5,237	2,044	2,370	126	1,909	11,687
Total	497,571	133,554	64,116	37,634	205,596	938,472	77,380	25,899	22,507	2,607	35,704	164,097
1991:												
Jan	41,876	9,713	4,522	3,322	17,721	77,153	5,648	1,450	1,600	77	1,901	10,675
Feb	39,226	8,117	4,809	3,338	16,459	71,949	5,775	1,926	1,632	70	2,211	11,615
Mar	47,393	8,460	5,013	3,404	17,903	82,173	7,148	2,149	1,889	91	2,358	13,636
Apr	47,126	9,179	4,664	3,253	15,992	80,213	7,454	2,171	1,854	290	2,293	14,062
May	47,315	9,994	4,387	3,645	18,962	84,303	8,128	2,352	1,829	132	2,602	15,042
Jun	43,069	9,687	4,351	3,900	18,702	79,709	8,163	2,333	1,735	134	2,829	15,194
Jul	40,529	7,754	3,740	2,982	17,559	72,564	6,957	2,392	2,070	90	2,921	14,430
Aug	38,577	9,627	4,920	3,984	19,805	76,912	9,134	2,319	2,323	138	2,415	16,329
Sep	39,766	8,424	4,724	4,289	20,382	77,585	8,023	2,358	1,947	202	3,239	15,769

See footnotes at end of table.

Continued--

Appendix table 33--Raw-manmade-fiber-equivalent of U.S. exports of manmade fiber-containing textile manufactures, 19889-91 1/

Year and month	House furnishings						Floor coverings						
	Blankets	Bed-sheets, pillow-cases, etc.	Table-cloths, placemats, napkins, etc.	Bath-room and kitchen toweling	Curtains, drapes, etc.	Bed-spreads, quilts, and misc.	Total	Knot-ted	Woven	Tufted	Felts, tile, etc.	Misc.	Total
	1,000 lbs.												
1989:													
Jan	70	274	29	45	46	135	598	1,860	1,395	4,814	114	477	8,658
Feb	107	515	34	103	80	187	1,026	2,071	1,076	8,354	195	1,506	13,201
Mar	66	409	30	111	60	135	810	1,351	700	6,885	263	765	9,963
Apr	77	423	37	104	92	242	975	1,734	779	9,323	166	931	12,933
May	55	517	65	112	81	157	988	1,423	741	7,663	103	999	10,928
Jun	130	556	43	95	136	138	1,097	1,618	812	7,678	128	795	11,030
Jul	67	572	61	148	131	394	1,372	1,386	607	6,343	143	740	9,218
Aug	81	528	71	138	138	171	1,126	1,877	620	8,218	170	715	11,599
Sep	182	546	59	124	85	249	1,245	1,497	627	8,371	117	949	11,560
Oct	157	573	44	181	167	118	1,240	2,371	921	9,403	136	779	13,609
Nov	87	493	25	160	147	138	1,051	2,028	946	7,895	246	1,073	12,187
Dec	130	416	30	116	132	109	934	1,648	549	8,325	168	599	11,288
Total	1,209	5,822	529	1,437	1,294	2,171	12,462	20,862	9,770	93,270	1,947	10,325	136,173
1990:													
Jan	89	658	63	129	177	215	1,332	1,544	575	12,391	177	575	15,261
Feb	45	530	63	127	112	99	977	1,226	507	13,084	142	622	15,580
Mar	110	700	54	190	143	154	1,351	1,486	859	18,332	295	889	21,860
Apr	3,099	773	79	117	177	147	4,393	1,239	652	15,910	206	538	18,544
May	3,343	818	132	183	162	131	4,770	1,426	590	15,358	181	488	18,043
Jun	1,752	596	78	135	145	110	2,815	1,603	1,485	14,010	91	670	17,859
Jul	528	460	47	151	153	143	1,483	1,062	870	12,889	99	653	15,571
Aug	660	640	60	124	162	189	1,836	1,165	477	15,239	130	735	17,745
Sep	558	443	61	131	134	192	1,520	641	855	13,721	157	870	16,243
Oct	877	738	105	155	219	144	2,238	555	907	16,410	202	738	18,810
Nov	786	907	68	122	143	130	2,156	526	848	14,340	95	658	16,466
Dec	573	680	43	147	129	80	1,652	339	787	12,989	107	501	14,722
Total	12,421	7,944	854	1,712	1,857	1,735	26,522	12,808	9,409	174,670	1,879	7,936	206,701
1991:													
Jan	443	704	27	135	162	112	1,583	299	461	14,795	115	581	16,250
Feb	779	522	44	127	129	104	1,703	570	837	12,338	98	600	14,442
Mar	919	925	38	155	140	169	2,346	173	330	15,929	293	553	17,276
Apr	1,364	951	67	167	201	129	2,879	270	501	18,329	171	828	20,099
May	1,262	851	44	140	130	188	2,614	268	435	18,995	361	472	20,530
Jun	1,696	754	55	192	159	172	3,027	583	398	19,976	233	621	21,810
Jul	983	639	75	156	147	170	2,171	307	592	20,488	215	795	22,396
Aug	1,165	778	53	161	213	155	2,525	731	802	20,371	160	559	22,623
Sep	1,684	710	49	134	150	166	2,893	564	982	22,509	204	772	25,031

--- = An absence of trade.

1/ Revised. Totals may not add due to rounding.

Source: Bureau of the Census.

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