

Yarn Production: 2001

Issued September 2002

MA313F(01)-1

Current
Industrial
Reports

Current data are released electronically on Internet for all individual surveys as they become available. Use: <http://www.census.gov/mcd/>.

Individual reports can be accessed by choosing "Current Industrial Reports (CIR)," clicking on "CIRs by Subsector;" then choose the survey of interest. Follow the menu to view the PDF file or to download the worksheet file (WK format) to your personal computer.

These data are also available on Internet through the U.S. Department of Commerce and STAT-USA by subscription. The Internet address is: www.stat-usa.gov/. Follow the prompts to register. Also, you may call 202-482-1986 or 1-800-STAT-USA, for further information.

For general CIR information, explanation of general terms and historical note, see the appendix.

Address inquiries concerning these data to Consumer Goods Industries Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call Robert Lee, 301-457-4637.

For mail or fax copies of this publication, please contact the Information Services Center, MCD, Washington, DC 20233-6900, or call 301-457-4673.

U S C E N S U S B U R E A U

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



Table 1. Summary of Yarn Production: 1992 to 2001
 [Millions of pounds]

Year	Spun yarn			Textured, crimped, or bulked yarn		
	Total	For sale	For own use or commission	Total	For sale	For own use or commission
2001.....	6,112.6	2,634.2	3,478.4	3,066.9	1,746.8	1,320.1
2000.....	7,062.5	2,905.4	4,157.0	3,844.0	2,375.0	1,469.0
1999.....	7,137.4	2,958.2	4,179.2	3,866.8	2,496.7	1,370.1
1998.....	7,508.4	3,039.1	4,469.3	3,737.6	2,338.8	1,398.8
1997.....	8,111.4	2,929.9	5,181.5	3,790.5	2,235.4	1,555.1
1996.....	7,771.6	2,801.6	4,970.0	3,858.1	2,240.2	1,617.9
1995.....	8,127.1	3,022.8	5,104.3	3,781.8	2,294.6	1,487.2
1994.....	8,145.2	2,818.9	5,326.3	3,947.5	2,294.1	1,653.4
1993.....	7,566.6	2,510.6	5,056.0	3,564.6	2,149.1	1,415.5
1992.....	7,444.6	2,555.3	4,889.3	3,223.8	2,019.1	1,204.7

Note: Detail may not add to total because of independent rounding.

Table 2. Summary of Spun Yarn Production by Fiber and Method of Distribution: 2001 and 2000
 [Thousands of pounds]

Principal fiber	2001			2000		
	Total	For sale	For own use or commission	Total	For sale	For own use or commission
Spun yarn.....	6,112,636	2,634,220	3,478,416	7,062,474	2,905,446	4,157,028
Cotton.....	3,566,617	1,982,340	1,584,277	4,178,547	2,201,428	1,977,119
Carded.....	3,274,623	1,765,648	1,508,975	3,772,418	1,917,208	1,855,210
85 percent or more cotton.....	3,015,403	1,622,061	1,393,342	3,416,094	1,697,059	1,719,035
Other chiefly cotton blends.....	259,220	143,587	115,633	356,324	220,149	136,175
Combed.....	291,994	216,692	75,302	r/ 406,129	r/ 284,220	121,909
85 percent or more cotton.....	209,212	(D)	(D)	r/ 325,256	(D)	(D)
Other chiefly cotton blends.....	82,782	(D)	(D)	80,873	(D)	(D)
Wool and chiefly wool blends.....	56,895	12,809	44,086	63,284	r/ 14,815	48,469
Woolen.....	33,853	2,733	31,120	38,334	3,635	34,699
Worsted.....	23,042	10,076	12,966	r/ 24,950	r/ 11,180	13,770
Cellulosic (rayon, acetate and/or lyocell).....	52,000	27,598	24,402	r/ 86,989	r/ 52,970	34,019
85 percent or more rayon, acetate and/or lyocell.....	29,362	16,617	12,745	r/ 54,944	r/ 35,827	19,117
Other chiefly rayon, acetate and/or lyocell blends.....	22,638	10,981	11,657	32,045	17,143	14,902
Noncellulosic.....	2,437,124	611,473	1,825,651	2,733,654	636,233	2,097,421
85 percent or more acrylic.....	219,615	179,131	40,484	237,512	166,892	70,620
Other chiefly acrylic blends:						
Mixed with cotton.....	6,826	6,826	-	6,901	(D)	(D)
Mixed with wool.....	2,025	(D)	(D)	2,025	(D)	(D)
Mixed with other fibers.....	2,062	922	1,140	5,496	(D)	(D)
85 percent or more nylon.....	585,501	39,301	546,200	719,044	75,609	643,435
Other chiefly nylon blends.....	5,658	(D)	(D)	9,792	(D)	(D)
85 percent or more polyester.....	467,023	109,701	357,322	496,058	156,201	339,857
Other chiefly polyester blends:						
Mixed with cotton.....	945,107	179,473	765,634	1,022,599	104,693	917,906
Mixed with wool.....	8,440	(D)	(D)	7,287	(D)	(D)
Mixed with other fibers.....	83,148	13,490	69,658	r/ 84,654	r/ 27,001	57,653
All other manmade fibers 1/.....	111,719	70,863	40,856	142,286	83,283	59,003

- Represents zero. D Withheld to avoid disclosing data for individual companies. r/Revised by 5 percent or more from previously published data.

1/"All other manmade fibers" includes "Silk and other natural fibers" to avoid disclosing data for individual companies.

Table 3. Production of Spun Weaving Yarn by Fiber and Method of Distribution: 2001 and 2000
 [Thousands of pounds]

Principal fiber	2001			2000		
	Total	For sale	For own use or commission	Total	For sale	For own use or commission
Weaving yarn (except carpet).....	2,520,956	546,622	1,974,334	2,988,819	588,310	2,400,509
Cotton.....	1,493,069	359,337	1,133,732	1,787,359	413,968	1,373,391
Carded.....	1,385,506	321,332	1,064,174	1,637,406	371,157	1,266,249
85 percent or more cotton.....	1,290,543	287,477	1,003,066	1,504,071	295,797	1,208,274
Other chiefly cotton blends.....	94,963	33,855	61,108	133,335	75,360	r/ 57,975
Combed.....	107,563	38,005	69,558	r/ 149,953	r/ 42,811	107,142
85 percent or more cotton.....	(D)	(D)	(D)	(D)	(D)	(D)
Other chiefly cotton blends.....	(D)	(D)	(D)	(D)	(D)	(D)
Wool and chiefly wool blends.....	35,089	(D)	(D)	39,179	(D)	(D)
Woolen.....	(D)	-	(D)	22,204	(D)	(D)
Worsted.....	(D)	(D)	(D)	16,975	(D)	(D)
Cellulosic (rayon, acetate, and/or lyocell).....	38,351	(D)	(D)	r/ 71,703	(D)	(D)
85 percent or more rayon, acetate, and/or lyocell.....	27,123	(D)	(D)	r/ 52,617	(D)	(D)
Other chiefly rayon, acetate and/or lyocell blends.....	11,228	(D)	(D)	19,086	(D)	(D)
Noncellulosic.....	954,447	168,121	786,326	1,090,578	130,280	960,298
85 percent or more acrylic.....	76,696	52,379	24,317	81,212	40,047	41,165
Other chiefly acrylic blends:						
Mixed with cotton.....	(D)	(D)	-	831	(D)	(D)
Mixed with wool.....	(D)	(D)	(D)	(D)	(D)	(D)
Mixed with other fibers.....	1,477	(D)	(D)	3,607	(D)	(D)
85 percent or more nylon.....	1,556	(D)	(D)	r/ 3,610	(D)	(D)
Other chiefly nylon blends.....	(D)	(D)	(D)	6,431	(D)	(D)
85 percent or more polyester.....	88,084	46,529	41,555	112,762	r/ 50,323	62,439
Other chiefly polyester blends:						
Mixed with cotton.....	677,467	51,013	626,454	784,088	(D)	(D)
Mixed with wool.....	(D)	(D)	(D)	(D)	(D)	(D)
Mixed with other fibers.....	73,604	5,277	68,327	61,865	5,771	56,094
All other manmade fibers 1/.....	21,668	1,763	19,905	28,492	2,816	25,676

- Represents zero. D Withheld to avoid disclosing data for individual companies. r/Revised by 5 percent or more from previously published data.

1/"All other manmade fibers" includes "Silk and other natural fibers" to avoid disclosing data for individual companies.

Table 4. Production of Machine Knitting Yarn by Fiber and Method of Distribution: 2001 and 2000
[Thousands of pounds]

Principal fiber	2001			2000		
	Total	For sale	For own use or commission	Total	For sale	For own use or commission
Machine knitting yarn (except carpet).....	2,434,573	1,847,457	587,116	2,708,914	1,965,120	743,794
Cotton.....	2,009,756	1,575,787	433,969	2,315,224	1,730,116	585,108
Carded.....	(D)	(D)	(D)	(D)	(D)	(D)
85 percent or more cotton.....	1,674,495	(D)	(D)	1,849,920	(D)	(D)
Other chiefly cotton blends.....	(D)	(D)	(D)	(D)	(D)	(D)
Combed.....	(D)	(D)	(D)	(D)	(D)	(D)
85 percent or more cotton.....	(D)	(D)	(D)	(D)	(D)	(D)
Other chiefly cotton blends.....	(D)	(D)	-	(D)	(D)	-
Wool and chiefly wool blends.....	8,723	8,258	465	r/ 9,226	r/ 8,719	507
Woolen.....	1,318	(D)	(D)	1,822	(D)	(D)
Worsted.....	7,405	(D)	(D)	r/ 7,404	(D)	(D)
Cellulosic (rayon, acetate, and/or lyocell).....	2,248	2,248	-	2,239	2,239	-
85 percent or more rayon, acetate, and/or lyocell.....	(D)	(D)	-	(D)	(D)	-
Other chiefly rayon, acetate and/or lyocell blends.....	(D)	(D)	-	(D)	(D)	-
Noncellulosic.....	413,846	261,164	152,682	382,225	r/ 224,046	158,179
85 percent or more acrylic.....	111,637	(D)	(D)	(D)	(D)	(D)
Other chiefly acrylic blends:						
Mixed with cotton.....	(D)	(D)	-	(D)	(D)	-
Mixed with wool.....	(D)	(D)	-	(D)	(D)	-
Mixed with other fibers.....	(D)	(D)	-	(D)	(D)	-
85 percent or more nylon.....	-	-	-	-	-	-
Other chiefly nylon blends.....	-	-	-	-	-	-
85 percent or more polyester.....	50,187	(D)	(D)	66,726	(D)	(D)
Other chiefly polyester blends:						
Mixed with cotton.....	240,005	(D)	(D)	196,706	51,796	144,910
Mixed with wool.....	(D)	(D)	-	(D)	(D)	-
Mixed with other fibers.....	(D)	(D)	-	(D)	(D)	-
All other manmade fibers 1/.....	1,223	(D)	(D)	1,154	(D)	(D)

- Represents zero. D Withheld to avoid disclosing data for individual companies. r/Revised by 5 percent or more from previously published data.

1/"All other manmade fibers" includes "Silk and other natural fibers" to avoid disclosing data for individual companies.

Table 5. Production of Carpet and Rug Yarn by Fiber and Method of Distribution: 2001 and 2000
 [Thousands of pounds]

Principal fiber	2001			2000		
	Total	For sale	For own use or commission	Total	For sale	For own use or commission
Carpet and rug yarns.....	936,022	69,178	866,844	1,100,428	144,887	955,541
Cotton.....	8,638	8,638	-	12,052	12,052	-
Carded.....	8,638	8,638	-	12,052	12,052	-
85 percent or more cotton.....	(D)	(D)	-	(D)	(D)	-
Other chiefly cotton blends.....	(D)	(D)	-	(D)	(D)	-
Combed.....	-	-	-	-	-	-
85 percent or more cotton.....	-	-	-	-	-	-
Other chiefly cotton blends.....	-	-	-	-	-	-
Wool and chiefly wool blends.....	(D)	(D)	(D)	(D)	(D)	(D)
Woolen.....	(D)	(D)	(D)	(D)	1,832	(D)
Worsted.....	(D)	(D)	-	(D)	(D)	-
Cellulosic (rayon, acetate, and/or lyocell).....	(D)	(D)	-	(D)	(D)	-
85 percent or more rayon, acetate, and/or lyocell.....	-	-	-	-	-	-
Other chiefly rayon, acetate and/or lyocell blends.....	(D)	(D)	-	(D)	(D)	-
Noncellulosic.....	914,950	(D)	(D)	1,073,547	(D)	(D)
85 percent or more acrylic.....	(D)	(D)	-	16,307	(D)	(D)
Other chiefly acrylic blends:						
Mixed with cotton.....	-	-	-	-	-	-
Mixed with wool.....	-	-	-	-	-	-
Mixed with other fibers.....	-	-	-	-	-	-
85 percent or more nylon.....	583,800	38,039	545,761	715,300	72,723	642,577
Other chiefly nylon blends.....	-	-	-	(D)	(D)	-
85 percent or more polyester.....	307,490	17,016	290,474	289,068	35,134	253,934
Other chiefly polyester blends:						
Mixed with cotton.....	(D)	(D)	-	(D)	(D)	-
Mixed with wool.....	-	-	-	-	-	-
Mixed with other fibers.....	1,310	(D)	(D)	14,383	(D)	(D)
All other manmade fibers 1/.....	19,768	(D)	(D)	32,975	907	32,068

- Represents zero. D Withheld to avoid disclosing data for individual companies.

1/"All other manmade fibers" includes "Silk and other natural fibers" to avoid disclosing data for individual companies.

Table 6. Production of Hand Knitting Yarn by Fiber and Method of Distribution: 2001 and 2000
 [Thousands of pounds]

Principal fiber	2001			2000		
	Total	For sale	For own use or commission	Total	For sale	For own use or commission
Hand knitting yarns.....	32,192	25,650	6,542	36,133	28,754	7,379
Cotton.....	2,304	2,304	-	2,320	2,320	-
Carded.....	2,304	2,304	-	2,320	2,320	-
85 percent or more cotton.....	(D)	(D)	-	(D)	(D)	-
Other chiefly cotton blends.....	(D)	(D)	-	(D)	(D)	-
Combed.....	-	-	-	-	-	-
85 percent or more cotton.....	-	-	-	-	-	-
Other chiefly cotton blends.....	-	-	-	-	-	-
Wool and chiefly wool blends.....	(D)	(D)	(D)	(D)	(D)	(D)
Woolen.....	(D)	(D)	-	(D)	(D)	-
Worsted.....	(D)	(D)	(D)	(D)	(D)	(D)
Cellulosic (rayon, acetate, and/or lyocell).....	(D)	(D)	-	(D)	(D)	-
85 percent or more rayon, acetate, and/or lyocell.....	-	-	-	-	-	-
Other chiefly rayon, acetate and/or lyocell blends.....	(D)	(D)	-	(D)	(D)	-
Noncellulosic.....	29,839	(D)	(D)	33,760	(D)	(D)
85 percent or more acrylic.....	28,636	(D)	(D)	(D)	(D)	(D)
Other chiefly acrylic blends:						
Mixed with cotton.....	(D)	(D)	-	(D)	(D)	-
Mixed with wool.....	-	-	-	-	-	-
Mixed with other fibers.....	(D)	(D)	-	(D)	(D)	-
85 percent or more nylon.....	-	-	-	-	-	-
Other chiefly nylon blends.....	-	-	-	-	-	-
85 percent or more polyester.....	-	-	-	-	-	-
Other chiefly polyester blends:						
Mixed with cotton.....	-	-	-	-	-	-
Mixed with wool.....	-	-	-	-	-	-
Mixed with other fibers.....	(D)	(D)	-	(D)	(D)	-
All other manmade fibers 1/.....	(D)	(D)	(D)	1,000	(D)	(D)

- Represents zero. D Withheld to avoid disclosing data for individual companies.

1/"All other manmade fibers" includes "Silk and other natural fibers" to avoid disclosing data for individual companies.

Table 7. Production of Yarn for All Other Uses by Fiber and Method of Distribution: 2001 and 2000
[Thousands of pounds]

Principal fiber	2001			2000		
	Total	For sale	For own use or commission	Total	For sale	For own use or commission
All other spun yarns.....	188,893	145,313	43,580	228,180	178,375	49,805
Cotton.....	52,850	36,274	16,576	61,592	42,972	r/ 18,620
Carded.....	(D)	(D)	(D)	(D)	(D)	(D)
85 percent or more cotton.....	39,439	(D)	(D)	47,758	(D)	(D)
Other chiefly cotton blends.....	(D)	(D)	(D)	(D)	(D)	(D)
Combed.....	(D)	(D)	(D)	(D)	(D)	(D)
85 percent or more cotton.....	(D)	(D)	(D)	(D)	(D)	(D)
Other chiefly cotton blends.....	-	-	-	-	-	-
Wool and chiefly wool blends.....	857	(D)	(D)	780	(D)	(D)
Woolen.....	(D)	(D)	(D)	(D)	(D)	(D)
Worsted.....	(D)	(D)	-	(D)	(D)	-
Cellulosic (rayon, acetate, and/or lyocell).....	11,144	(D)	(D)	12,264	(D)	(D)
85 percent or more rayon, acetate, and/or lyocell.....	(D)	(D)	(D)	(D)	(D)	(D)
Other chiefly rayon, acetate and/or lyocell blends.....	(D)	(D)	(D)	(D)	(D)	(D)
Noncellulosic.....	124,042	100,300	23,742	153,544	125,754	r/ 27,790
85 percent or more acrylic.....	(D)	(D)	-	(D)	(D)	-
Other chiefly acrylic blends:						
Mixed with cotton.....	-	-	-	-	-	-
Mixed with wool.....	-	-	-	-	-	-
Mixed with other fibers.....	(D)	-	(D)	-	-	-
85 percent or more nylon.....	145	(D)	(D)	134	(D)	(D)
Other chiefly nylon blends.....	(D)	(D)	-	(D)	(D)	-
85 percent or more polyester.....	21,262	(D)	(D)	r/ 27,502	(D)	(D)
Other chiefly polyester blends:						
Mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)
Mixed with wool.....	-	-	-	-	-	-
Mixed with other fibers.....	6,779	(D)	(D)	6,574	(D)	(D)
All other manmade fibers 1/.....	(D)	(D)	-	78,665	78,376	289

- Represents zero. D Withheld to avoid disclosing data for individual companies. r/Revised by 5 percent or more from previously published data.

1/"All other manmade fibers" includes "Silk and other natural fibers" to avoid disclosing data for individual companies.

Table 8. Spun Yarn Production by State: 2001 and 2000
[Thousands of pounds]

State	2001	2000
United States.....	6,112,636	7,062,474
Alabama.....	501,456	651,981
Georgia.....	1,544,001	1,757,618
Kentucky.....	(D)	(D)
Maine.....	14,376	21,290
Massachusetts.....	(D)	(D)
Mississippi.....	(D)	(D)
North Carolina.....	2,409,093	2,582,418
Pennsylvania.....	4,498	5,657
South Carolina.....	1,008,781	1,297,927
Tennessee.....	167,172	193,922
Texas.....	94,869	119,070
Virginia.....	240,290	271,038
All other states.....	49,676	r/ 71,543

D Withheld to avoid disclosing data for individual companies.
r/Revised by 5 percent or more from previously published data.

Table 9. Production of Spun Yarn by Spinning System and End Use: 2001 and 2000
[Thousands of pounds]

System of spinning	2001			2000		
	Total	For sale	For own use or commission	Total	For sale	For own use or commission
Production, all systems.....	6,112,636	2,634,220	3,478,416	7,062,474	2,905,446	4,157,028
Cotton system.....	5,067,261	2,425,377	2,641,884	5,922,463	2,633,512	3,288,951
Weaving (except carpet).....	2,444,445	523,558	1,920,887	2,890,396	560,739	2,329,657
Machine knitting (except carpet).....	2,384,875	1,798,224	586,651	2,657,184	1,913,997	743,187
Carpet and rug.....	112,129	20,614	91,515	219,979	(D)	(D)
Hand knitting.....	(D)	(D)	-	(D)	(D)	-
All other uses.....	(D)	(D)	42,831	(D)	(D)	(D)
Woolen system.....	63,047	4,983	58,064	78,499	r/ 6,189	72,310
Weaving (except carpet).....	(D)	-	(D)	26,575	(D)	(D)
Machine knitting (except carpet).....	2,832	(D)	(D)	(D)	(D)	(D)
Carpet and rug.....	36,042	(D)	(D)	40,631	(D)	(D)
Hand knitting.....	(D)	(D)	(D)	(D)	(D)	(D)
All other uses.....	(D)	(D)	(D)	709	(D)	(D)
Worsted system.....	838,094	133,494	704,600	908,080	185,304	722,776
Weaving (except carpet).....	53,603	(D)	(D)	65,360	22,677	42,683
Machine knitting (except carpet).....	46,866	(D)	(D)	48,597	(D)	(D)
Carpet and rug.....	714,034	45,166	668,868	767,526	88,005	679,521
Hand knitting.....	23,237	(D)	(D)	26,328	(D)	(D)
All other uses.....	354	(D)	(D)	269	269	-
Other systems.....	144,234	70,366	73,868	153,432	80,441	72,991
Weaving (except carpet).....	(D)	(D)	(D)	6,488	(D)	(D)
Machine knitting (except carpet).....	-	-	-	(D)	(D)	-
Carpet and rug.....	73,817	(D)	(D)	72,292	(D)	(D)
Hand knitting.....	-	-	-	-	-	-
All other uses.....	(D)	(D)	-	(D)	(D)	-

- Represents zero. D Withheld to avoid disclosing data for individual companies. r/Revised by 5 percent or more from previously published data.

Table 10. Production of Textured, Crimped, or Bulked Filament Yarns by Fiber and End Use: 2001 and 2000

Product description	2001			2000		
	Total	For sale	For own use or commission	Total	For sale	For own use or commission
All yarn.....	3,066,897	1,746,756	1,320,141	3,844,016	2,374,970	1,469,046
Nylon.....	1,957,730	1,133,120	824,610	2,438,297	1,590,531	847,766
Polyester.....	770,855	551,067	219,788	986,061	684,265	301,796
Rayon, acetate, and/or lyocell.....	881	491	390	911	528	383
Other yarns.....	337,431	62,078	275,353	418,747	99,646	319,101
Weaving yarn (except carpet).....	458,208	275,234	182,974	626,850	375,035	251,815
Nylon.....	62,534	(D)	(D)	96,182	85,475	10,707
Polyester.....	344,391	(D)	(D)	464,616	(D)	(D)
Rayon, acetate, and/or lyocell.....	450	(D)	(D)	570	(D)	(D)
Other yarns.....	50,833	9,547	41,286	65,482	r/ 27,897	37,585
Knitting yarn (except carpet).....	499,820	462,429	37,391	663,545	606,168	57,377
Nylon.....	151,531	146,299	5,232	229,430	(D)	(D)
Polyester.....	344,527	(D)	(D)	430,886	(D)	(D)
Rayon, acetate, and/or lyocell.....	210	(D)	(D)	245	(D)	(D)
Other yarns.....	3,552	(D)	(D)	2,984	(D)	(D)
Carpet and rug yarn.....	1,987,359	903,574	1,083,785	2,400,644	1,259,393	1,141,251
Nylon.....	1,631,824	827,725	804,099	1,972,520	1,153,618	818,902
Polyester.....	73,749	(D)	(D)	78,023	(D)	(D)
Rayon, acetate, and/or lyocell.....	-	-	-	-	-	-
Other yarns.....	281,786	(D)	(D)	350,101	(D)	(D)
All other uses.....	121,510	105,519	15,991	152,977	134,374	18,603
Nylon.....	111,841	(D)	(D)	140,165	(D)	(D)
Polyester.....	8,188	(D)	(D)	12,536	(D)	(D)
Rayon, acetate, and/or lyocell.....	221	(D)	(D)	96	(D)	(D)
Other yarns.....	1,260	(D)	(D)	180	(D)	(D)

- Represents zero. D Withheld to avoid disclosing data for individual companies. r/Revised by 5 percent or more from previously published data.

Table 11. Domestic Production, Imports, and Exports of Yarn: 2001 and 2000
[Quantity in thousands of kilograms. Value in thousands of dollars]

Product description	Total production (quantity)	Exports of domestic merchandise 1/		Percent exports to domestic production (quantity)	Imports for consumption 2/		Apparent consumption 4/ (quantity)	Percent imports to apparent consumption (quantity)	
		Quantity	Value		Quantity	Value 3/			
2001									
Spun yarn.....	2,772,692	139,855	408,823	5.0	197,816	704,788	2,830,653	7.0	
Cotton.....	1,617,817	98,187	263,133	6.1	119,227	375,751	1,638,857	7.3	
85 percent or more cotton.....	1,462,685	90,204	238,760	6.2	108,872	340,223	1,481,353	7.3	
Carded.....	1,367,787	81,745	205,349	6.0	75,944	220,939	1,361,986	5.6	
Combed.....	94,899	8,459	33,411	8.9	32,928	119,284	119,368	27.6	
Other chiefly cotton blends.....	155,132	7,983	24,373	5.1	10,355	35,528	157,504	6.6	
Carded.....	117,582	7,498	21,799	6.4	7,928	27,768	118,012	6.7	
Combed.....	37,550	485	2,574	1.3	2,427	7,760	39,492	6.1	
Wool spun yarn.....	25,808	658	8,386	2.5	5,938	60,084	31,088	19.1	
Woolen.....	15,356	150	1,683	1.0	1,856	15,222	17,062	10.9	
Worsted.....	10,452	508	6,703	4.9	4,082	44,862	14,026	29.1	
Manmade spun yarn.....	1,129,067	41,010	137,304	3.6	72,651	268,953	1,160,708	6.3	
Cellulosic.....	23,587	5,242	12,701	22.2	14,697	52,110	33,042	44.5	
Noncellulosic.....	1,105,479	35,768	124,603	3.2	57,954	216,843	1,127,665	5.1	
Polyester.....	682,086	22,474	62,204	3.3	17,274	50,276	676,886	2.6	
85 percent or more polyester.....	211,842	2,967	10,183	1.4	9,201	27,624	218,076	4.2	
Other chiefly polyester blends.....	470,245	19,507	52,021	4.1	8,073	22,652	458,811	1.8	
Acrylic.....	104,568	2,874	15,335	2.7	23,696	110,382	125,390	18.9	
85 percent or more acrylic.....	99,617	1,822	7,632	0.9	22,366	103,035	120,161	18.6	
Other chiefly acrylic blends.....	4,950	1,052	7,703	21.3	1,330	7,347	5,228	25.4	
Nylon.....	268,150	5,089	18,515	1.9	1,025	13,659	264,086	0.4	
All other, including silk and other natural fibers.....	50,676	5,331	28,549	10.5	15,959	42,526	61,304	26.0	
Manmade textured, bulked, or crimped filament yarn.....	1,390,745	77,390	221,863	5.6	104,498	307,876	1,764,183	5.9	
Polyester.....	349,660	43,265	95,163	12.4	30,898	66,456	337,293	9.2	
Nylon.....	888,026	26,067	104,956	2.9	67,118	221,822	929,077	7.2	
Other.....	153,059	8,058	21,744	5.3	6,482	19,598	151,483	4.3	
2000									
Spun yarn.....	3,203,538	136,573	415,019	4.3	221,261	824,348	3,288,226	6.7	
Cotton.....	1,895,389	103,832	283,321	5.5	136,673	457,415	1,928,230	7.1	
85 percent or more cotton.....	1,697,076	94,364	251,705	5.6	121,474	403,566	1,724,186	7.0	
Carded.....	1,549,540	81,214	201,003	5.2	80,792	242,025	1,549,118	5.2	
Combed.....	147,536	13,150	50,702	8.9	40,682	161,541	175,068	23.2	
Other chiefly cotton blends.....	198,313	9,468	31,616	4.8	15,199	53,849	204,044	7.4	
Carded.....	161,629	7,774	22,117	4.8	7,820	27,006	161,675	4.8	
Combed.....	36,684	1,694	9,499	4.6	7,379	26,843	42,369	17.4	
Wool spun yarn.....	28,706	823	9,096	2.9	7,648	77,307	35,531	21.5	
Woolen.....	17,388	164	1,670	0.9	2,047	16,585	19,271	10.6	
Worsted.....	11,317	659	7,426	5.8	5,601	60,722	16,259	34.4	
Manmade spun yarn.....	1,279,444	31,918	122,602	2.5	76,940	289,626	1,324,466	5.8	
Cellulosic.....	39,458	2,647	11,104	6.7	12,705	51,217	49,516	25.7	
Noncellulosic.....	1,239,985	29,271	111,498	2.4	64,235	238,409	1,274,949	5.0	
Polyester.....	730,567	15,620	47,853	2.1	25,111	75,199	740,058	3.4	
85 percent or more polyester.....	225,012	3,224	11,949	1.4	14,359	44,648	236,147	6.1	
Other chiefly polyester blends.....	505,555	12,396	35,904	2.5	10,752	30,551	503,911	2.1	
Acrylic.....	114,277	2,244	11,746	2.0	18,659	91,259	130,692	14.3	
85 percent or more acrylic.....	107,735	1,306	7,238	0.9	17,545	83,939	123,974	14.2	
Other chiefly acrylic blends.....	6,542	938	4,508	14.3	1,114	7,320	6,718	16.6	
Nylon.....	330,600	6,070	25,364	1.8	1,139	17,528	325,669	0.3	
All other, including silk and other natural fibers.....	64,541	5,337	26,535	8.3	19,326	54,423	78,530	24.6	
Manmade textured, bulked, or crimped filament yarn.....	1,743,232	99,995	304,400	5.7	123,207	365,681	1,764,183	7.0	
Polyester.....	447,277	53,304	129,583	11.9	39,269	90,308	433,242	9.1	
Nylon.....	1,106,012	37,310	147,750	3.4	75,866	252,702	1,144,568	6.6	
Other.....	189,944	9,381	27,067	4.9	8,072	22,671	188,635	4.3	

1/Source: Census Bureau report EM 545, U.S. Exports.

2/Source: Census Bureau report IM 145, U.S. Imports for Consumption.

3/Dollar value represents the c.i.f. (cost, insurance, and freight) value at the first port of entry into the United States plus U.S. import duties.

4/Apparent consumption is equal to domestic production plus imports minus exports.

Note: Detail may not add to total because of independent rounding.

Table 12. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule Be Export Codes and HTSUSA Import Codes: 2001

Product description	Import codes 2/	Export codes 1/
85 percent or more carded cotton spun yarn.....	5205112000	5205120000
	5205121000	5205130000
	5205122000	5205140000
	5205131000	5205150000
	5205132000	5205310000
	5205141000	5205320000
	5205142000	5205330000
	5205151000	5205340000
	5205152000	5205350000
	5205310000	5207100000
	5205320000	
	5205330000	
	5205340000	
	5205350000	
5207100000		
85 percent or more combed cotton spun yarn.....	5205210020	5205210000
	5205210090	5205220000
	5205220020	5205230000
	5205220090	5205240000
	5205230020	5205260000
	5205230090	5205270000
	5205240020	5205280000
	5205240090	5205410000
	5205260020	5205420000
	5205260090	5205430000
	5205270020	5205440000
	5205270090	5205460000
	5205280020	5205470000
	5205280090	5205480000
	5205410020	
	5205410090	
	5205420020	
	5205420090	
	5205430020	
	5205430090	
5205440020		
5205440090		
5205460020		
5205460090		
5205470020		
5205470090		
5205480020		
5205480090		
Chiefly carded cotton blends.....	5206110000	5206110000
	5206120000	5206120000
	5206130000	5206130000
	5206140000	5206140000
	5206150000	5206150000
	5206310000	5206310000
	5206320000	5206320000
	5206330000	5206330000
	5206340000	5206340000
	5206350000	5206350000
5207900000	5207900000	

Table 12. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule Be Export Codes and HTSUSA Import Codes: 2001

Product description	Import codes 2/	Export codes 1/
Chiefly combed cotton blends.....	5206210000	5206210000
	5206220000	5206220000
	5206230000	5206230000
	5206240000	5206240000
	5206250000	5206250000
	5206410000	5206410000
	5206420000	5206420000
	5206430000	5206430000
	5206440000	5206440000
Wool spun on woolen system.....	5106100010	5106100010
	5106100090	5106100090
	5106200000	5106200000
	5109102000	
	5109902000	
Wool spun on worsted system.....	5107103000	5107100000
	5107106000	5107200000
	5107203000	5109100000
	5107206000	5109900000
	5109108000	
Cellulosic manmade spun yarn.....	5510110000	5510110000
	5510120000	5510120000
	5510200000	5510200000
	5510300000	5510300000
	5510902000	5510900000
	5510904000	5511300000
	5510906000	
85 percent or more polyester spun yarn.....	5509210000	5509210000
	5509220010	5509220000
	5509220090	
Other chiefly polyester blend spun yarn.....	5509513000	5509510000
	5509516000	5509520000
	5509520000	5509530000
	5509530030	5509590000
	5509530060	
85 percent or more acrylic spun yarn.....	5509610000	5509610000
	5509620000	5509620000
	5511100030	
Other chiefly acrylic blend spun yarn.....	5509610000	5509610000
	5509620000	5509620000
	5509692000	5509690000
	5509694000	
	5509696000	

Continued

Table 12. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule Be Export Codes and HTSUSA Import Codes: 2001

Product description	Import codes 2/	Export codes 1/
Nylon spun yarn.....	5509110000 5509120000	5509110000 5509120000
All other spun yarns, including silk and other natural fibers.....	5004000000 5005000010 5005000090 5006001000 5006009000 5306100000 5306200000 5307100000 5307200000 5308100000 5308200000 5308300000 5308900000 5509410010 5509410090 5509420010 5509420090 5509910000 5509920000 5509992000 5509994000 5509996000 5511100060 5511200000	5004000000 5005000000 5006000000 5306100000 5306200000 5307100000 5307200000 5308100000 5308200000 5308300000 5308900000 5509410000 5509420000 5509910000 5509920000 5509990000 5511100000 5511200000
Polyester textured, bulk, or crimped filament yarn.....	5402333000 5402336000	5402330000
Nylon textured, bulk, or crimped filament yarn.....	5402313000 5402316000 5402323000 5402326000	5402310000 5402320000
All other textured, bulk, or crimped filament yarn.....	5402393010 5402393090 5402396010 5402396090 5403203000 5403206000	5402390000 5403200000

1/Source: 2001 edition, Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/Source: Harmonized Tariff Schedule of the United States, Annotated (2001).

Appendix.

General CIR Survey Information, Explanation of General Terms and Historical Note

GENERAL

The CIR program has been providing monthly, quarterly, and annual measures of industrial activity for many years. Since 1904, with its cotton and fats and oils surveys, the CIR program has formed an essential part of an integrated statistical system involving the quinquennial economic census, manufacturing sector, and the annual survey of manufactures. The CIR surveys, however, provide current statistics at a more detailed product level than either of the other two statistical programs.

The primary objective of the CIR program is to produce timely, accurate data on production and shipments of selected products. The data are used to satisfy economic policy needs and for market analysis, forecasting, and decision making in the private sector. The product-level data generated by these surveys are used extensively by individual firms, trade associations, and market analysts in planning or recommending marketing and legislative strategies, particularly if their industry is significantly affected by foreign trade. Although production and shipments information are the two most common data items collected, the CIR program collects other measures also such as inventories, orders, and consumption. These surveys measure manufacturing activity in important commodity areas such as textiles and apparel, chemicals, primary metals, computer and electronic components, industrial equipment, aerospace equipment, and consumer goods.

The CIR program uses a unified data collection, processing, and publication system. The U.S. Census Bureau updates the survey panels for most reports annually and reconciles the estimates to the results of the broader-based annual survey of manufactures and the economic census, manufacturing sector. The manufacturing sector provides a complete list of all producers of the products covered by the CIR program and serves as the primary source for CIR sampling. Where a small number of producers exist, CIR surveys cover all known producers of a product. However, when the number of producers is too large, cutoff and random sampling techniques are used. Surveys are continually reviewed and modified to provide the most up-to-date information on products produced. The CIR program includes a group of mandatory and voluntary surveys. Typically the monthly and quarterly surveys are conducted on a voluntary basis. Those companies that choose not to respond to the voluntary surveys are required to submit a mandatory annual counterpart corresponding to the more frequent survey.

NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS), 1997

The adoption of the North American Industry Classification System (NAICS) in the 1997 Economic Census has had a major impact on the comparability of current and historic data. Approximately half of the industries in the manufacturing sector of NAICS do not have comparable industries in the Standard Industrial Classification (SIC) system that was used in the past.

While most of the change affecting the manufacturing sector was change within the sector, some industries left manufacturing and others came into manufacturing. Prominent among those that left manufacturing are logging and portions of publishing. Prominent among the industries that came into the manufacturing sector are bakeries, candy stores where candy is made on the premises, custom tailors, makers of custom draperies, and tire retreading. The net effect of the classification changes are such that if the 1997 value of shipments data for all manufacturers were tabulated on an SIC basis, it would be approximately 3 percent higher.

Listed below are the NAICS sectors:

- 21 Mining
- 22 Utilities
- 23 Construction
- 31-33 Manufacturing
- 42 Wholesale Trade
- 44-45 Retail Trade
- 48-49 Transportation and Warehousing
- 51 Information
- 52 Finance and Insurance
- 53 Real Estate and Rental and Leasing
- 54 Professional, Scientific, and Technical Services
- 55 Management of Companies and Enterprises
- 56 Administrative and Support and Waste Management and Remediation Services
- 61 Educational Services
- 62 Health Care and Social Assistance
- 71 Arts, Entertainment, and Recreation
- 72 Accommodation and Food Services
- 81 Other Services (except Public Administration)

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), covered by the census of governments conducted by the Census Bureau.)

The 20 NAICS sectors are subdivided into 96 subsectors (three-digit codes), 313 industry groups (four-digit codes), and, as implemented in the United States, 1170 industries (five- and six-digit codes).

FUNDING

The Census Bureau funds most of the surveys. However, a number of surveys are paid for either fully or partially by other Federal Government agencies or private trade associations. A few surveys are mandated, but all are authorized by Title 13 of the United States Code.

RELIABILITY OF DATA

Survey error may result from several sources including the inability to obtain information about all cases in the survey, response errors, definitional difficulties, differences in the interpretation of questions, mistakes in recording or coding the reported data, and other errors of collection, response, coverage, and estimation. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to these nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is the imputing of data for nonrespondents, for late reporters, and for data that fail logic edits. Missing figures are imputed based on period-to-period movements shown by reporting firms. A figure is considered to be an impute if the value was not directly reported on the questionnaire, directly derived from other reported items, directly available from supplemental sources, or obtained from the respondent during the analytical review phase. Imputation generally is limited to a maximum of 10 percent for any one data cell. Figures with imputation rates greater than 10 percent are suppressed or footnoted. The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual yearly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is assumed to be small. The degree of uncertainty regarding the accuracy of the published data increases as the percentage of imputation increases. Figures with imputation rates above 10 percent should be used with caution.

DATA REVISIONS

Statistics for previous years may be revised as the result of corrected figures from respondents, late reports for which imputations were originally made, or other corrections. Data that have been revised by more than 5 percent from previously published data are indicated by footnotes.

DISCLOSURE

The Census Bureau collects the CIR data under the authority of Title 13, United States Code, which specifies that the information can only be used for statistical purposes and cannot be published or released in any manner that would identify a person, household, or establishment. "D" indicates that data in the cell have been suppressed to avoid disclosure of information pertaining to individual companies.

EXPLANATION OF GENERAL TERMS

Capacity. The maximum quantity of a product that can be produced in a plant in 1 day if operating for 24 hours. Includes the capacity of idle plants until the plant is reported to be destroyed, dismantled, or abandoned.

Consumption. Materials used in producing or processing a product or otherwise removing the product from the inventory.

Exports. Includes all types of products shipped to foreign countries, or to agents or exporters for reshipment to foreign countries.

Gross shipments. The quantity or value of physical shipments from domestic establishments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale or use. Shipments of products purchased for resale are omitted. Shipments of products made under toll arrangements are included.

Interplant transfers. Shipments to other domestic plants within a company for further assembly, fabrication, or manufacture.

Inventories. The quantity or value of finished goods, work in progress, and materials on hand.

Machinery in place. The number of machines of a particular type in place as of a particular date whether the machinery was used for production, prototype, or sampling, or was idle. Machinery in place includes all machinery set up in operating positions.

Net receipts. Derived by subtracting the materials held at the end of the previous month from the sum of materials used during the current month.

Production. The total volume of products produced, including: products sold; products transferred or added to inventory after adjustments for breakage, shrinkage, and obsolescence, plus any other inventory adjustment; and products that undergo further manufacture at the same establishment.

Quantities produced and consumed. Quantities of each type of product produced by a company for internal consumption within that same company.

Quantity and value of new orders. The sales value of orders received during the current reporting period for products and services to be delivered immediately or at some future date. Also represents the net sales value of contract change documents that increase or decrease the sales value of the orders to which they are related, when the parties concerned are in substantial agreement as to the amount involved. Included as orders are only those that are supported by binding legal documents such as signed contracts or letter contracts.

Quantity and value of shipments. The figures on quantity and value of shipments represent physical shipments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and

returns. Shipments to a company's own branches are assigned the same value as comparable appropriate allocation of company overhead and profit. Products bought and resold without further manufacture are excluded.

Stocks. Total quantity of ending finished inventory.

Unfilled orders (backlog). Calculated by adding net new orders and subtracting net sales from the backlog at the end of the preceding year.

HISTORICAL NOTE

Data on the production of spun, textured, bulked, and crimped yarns have been collected by the Census Bureau since 1960. Historical data may be obtained from Current Industrial Reports available at your local Federal Depository Library.