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

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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: 1997 to 2002
 [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
2002.....	5,789.4	2,384.0	3,405.4	3,277.3	1,837.5	1,439.8
2001.....	6,090.0	2,641.9	3,448.0	3,089.1	1,763.1	1,326.0
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

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

Table 2. Summary of Spun Yarn Production by Fiber and Method of Distribution: 2002 and 2001
 [Thousands of pounds]

Principal fiber	2002			2001		
	Total	For sale	For own use or commission	Total	For sale	For own use or commission
Spun yarn.....	5,789,352	2,383,994	3,405,358	6,089,983	2,641,944	3,448,039
Cotton.....	3,393,977	1,849,758	1,544,219	3,574,669	1,987,680	1,586,989
Carded.....	3,142,509	1,661,195	1,481,314	3,282,675	1,770,988	1,511,687
85 percent or more cotton.....	2,815,486	1,487,713	1,327,773	3,016,810	1,623,613	1,393,197
Other chiefly cotton blends.....	327,023	173,482	153,541	265,865	147,375	118,490
Combed.....	251,468	188,563	62,905	291,994	216,692	75,302
85 percent or more cotton.....	165,869	(D)	(D)	209,212	(D)	(D)
Other chiefly cotton blends.....	85,599	(D)	(D)	82,782	(D)	(D)
Wool and chiefly wool blends.....	41,552	10,441	31,111	56,729	12,809	43,920
Woolen.....	25,612	2,247	23,365	33,687	2,733	30,954
Worsted.....	15,940	8,194	7,746	23,042	10,076	12,966
Cellulosic (rayon, acetate and/or lyocell).....	59,914	25,280	34,634	51,783	27,598	24,185
85 percent or more rayon, acetate and/or lyocell).....	31,838	18,374	13,464	29,145	16,617	12,528
Other chiefly rayon, acetate and/or lyocell blends.....	28,076	6,906	21,170	22,638	10,981	11,657
Noncellulosic.....	2,293,909	498,515	1,795,394	2,406,802	613,857	1,792,945
85 percent or more acrylic.....	162,975	133,041	29,934	219,615	179,131	40,484
Other chiefly acrylic blends:						
Mixed with cotton.....	6,712	6,712	-	r/ 6,475	r/ 6,475	-
Mixed with wool.....	325	325	-	2,025	(D)	(D)
Mixed with other fibers.....	2,884	732	2,152	2,062	922	1,140
85 percent or more nylon.....	629,362	35,049	594,313	585,275	39,301	545,974
Other chiefly nylon blends.....	8,844	(D)	(D)	r/ 7,644	(D)	(D)
85 percent or more polyester.....	421,626	87,722	333,904	r/ 437,523	112,773	r/ 324,750
Other chiefly polyester blends:						
Mixed with cotton.....	874,467	145,317	729,150	942,876	177,150	765,726
Mixed with wool.....	2,606	(D)	(D)	8,440	(D)	(D)
Mixed with other fibers.....	78,330	13,282	65,048	83,148	13,490	69,658
All other manmade fibers 1/.....	105,778	66,507	39,271	111,719	70,863	40,856

- 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: 2002 and 2001
 [Thousands of pounds]

Principal fiber	2002			2001		
	Total	For sale	For own use or commission	Total	For sale	For own use or commission
Weaving yarn (except carpet).....	2,351,343	520,993	1,830,350	2,499,567	530,697	1,968,870
Cotton.....	1,406,096	367,383	1,038,713	1,477,689	r/ 341,245	1,136,444
Carded.....	1,312,363	328,158	984,205	1,370,126	r/ 303,240	1,066,886
85 percent or more cotton.....	1,177,031	249,454	927,577	1,272,306	r/ 269,385	1,002,921
Other chiefly cotton blends.....	135,332	78,704	56,628	97,820	33,855	63,965
Combed.....	93,733	39,225	54,508	107,563	38,005	69,558
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.....	21,042	(D)	(D)	34,923	(D)	(D)
Woolen.....	12,100	(D)	(D)	(D)	-	(D)
Worsted.....	8,942	(D)	(D)	(D)	(D)	(D)
Cellulosic (rayon, acetate, and/or lyocell)....	48,935	(D)	(D)	38,134	(D)	(D)
85 percent or more rayon, acetate, and/or lyocell.....	29,620	(D)	(D)	26,906	(D)	(D)
Other chiefly rayon, acetate and/or lyocell blends.....	19,315	(D)	(D)	11,228	(D)	(D)
Noncellulosic.....	875,270	135,125	740,145	948,821	170,288	778,533
85 percent or more acrylic.....	58,817	37,663	21,154	76,696	52,379	24,317
Other chiefly acrylic blends:						
Mixed with cotton.....	(D)	(D)	-	(D)	(D)	-
Mixed with wool.....	(D)	(D)	-	(D)	(D)	(D)
Mixed with other fibers.....	2,482	(D)	(D)	1,477	(D)	(D)
85 percent or more nylon.....	8,248	(D)	(D)	1,556	(D)	(D)
Other chiefly nylon blends.....	(D)	(D)	(D)	(D)	(D)	(D)
85 percent or more polyester.....	69,684	37,420	32,264	r/ 80,213	46,543	r/ 33,670
Other chiefly polyester blends:						
Mixed with cotton.....	637,268	44,144	593,124	677,726	51,180	626,546
Mixed with wool.....	(D)	(D)	(D)	(D)	(D)	(D)
Mixed with other fibers.....	67,717	4,010	63,707	73,604	5,277	68,327
All other manmade fibers 1/.....	19,507	1,164	18,343	21,668	1,763	19,905

- 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: 2002 and 2001
 [Thousands of pounds]

Principal fiber	2002			2001		
	Total	For sale	For own use or commission	Total	For sale	For own use or commission
Machine knitting yarn (except carpet).....	2,271,548	1,639,307	632,241	2,457,681	1,870,565	587,116
Cotton.....	1,923,092	1,433,931	489,161	2,033,188	1,599,219	433,969
Carded.....	1,769,559	(D)	(D)	(D)	(D)	(D)
85 percent or more cotton.....	1,587,625	(D)	(D)	1,694,139	(D)	(D)
Other chiefly cotton blends.....	181,934	(D)	(D)	(D)	(D)	(D)
Combed.....	153,533	(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.....	(D)	(D)	(D)	8,723	8,258	465
Woolen.....	(D)	(D)	(D)	1,318	(D)	(D)
Worsted.....	6,530	(D)	(D)	7,405	(D)	(D)
Cellulosic (rayon, acetate, and/or lyocell).....	(D)	(D)	-	2,248	2,248	-
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.....	339,799	(D)	(D)	413,522	260,840	152,682
85 percent or more acrylic.....	70,450	(D)	(D)	111,637	(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.....	42,965	(D)	(D)	50,214	(D)	(D)
Other chiefly polyester blends:						
Mixed with cotton.....	(D)	87,086	(D)	240,005	(D)	(D)
Mixed with wool.....	(D)	(D)	-	(D)	(D)	-
Mixed with other fibers.....	(D)	(D)	-	(D)	(D)	-
All other manmade fibers 1/.....	1,285	957	328	1,223	(D)	(D)

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

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Table 5. Production of Carpet and Rug Yarn by Fiber and Method of Distribution: 2002 and 2001
 [Thousands of pounds]

Principal fiber	2002			2001		
	Total	For sale	For own use or commission	Total	For sale	For own use or commission
Carpet and rug yarns.....	959,294	65,625	893,669	911,109	69,178	841,931
Cotton.....	15,363	15,363	-	8,638	8,638	-
Carded.....	15,363	15,363	-	8,638	8,638	-
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)	(D)	(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.....	931,843	(D)	(D)	890,037	(D)	(D)
85 percent or more acrylic.....	(D)	(D)	-	(D)	(D)	-
Other chiefly acrylic blends:						
Mixed with cotton.....	-	-	-	-	-	-
Mixed with wool.....	-	-	-	-	-	-
Mixed with other fibers.....	-	-	-	-	-	-
85 percent or more nylon.....	620,873	34,603	586,270	583,574	38,039	545,535
Other chiefly nylon blends.....	-	-	-	-	-	-
85 percent or more polyester.....	285,853	(D)	(D)	r/ 282,803	17,016	r/ 265,787
Other chiefly polyester blends:						
Mixed with cotton.....	(D)	(D)	-	(D)	(D)	-
Mixed with wool.....	-	-	-	-	-	-
Mixed with other fibers.....	2,416	(D)	(D)	1,310	(D)	(D)
All other manmade fibers 1/.....	19,707	35	19,672	19,768	(D)	(D)

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Table 6. Production of Hand Knitting Yarn by Fiber and Method of Distribution: 2002 and 2001
 [Thousands of pounds]

Principal fiber	2002			2001		
	Total	For sale	For own use or commission	Total	For sale	For own use or commission
Hand knitting yarns.....	33,256	26,713	6,543	32,192	25,650	6,542
Cotton.....	(D)	(D)	-	2,304	2,304	-
Carded.....	(D)	(D)	-	2,304	2,304	-
85 percent or more cotton.....	(D)	(D)	-	(D)	(D)	-
Other chiefly cotton blends.....	-	-	-	(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)	-
85 percent or more rayon, acetate, and/or lyocell.....	-	-	-	-	-	-
Other chiefly rayon, acetate and/or lyocell blends.....	-	-	-	(D)	(D)	-
Noncellulosic.....	31,507	(D)	(D)	29,839	(D)	(D)
85 percent or more acrylic.....	30,204	(D)	(D)	28,636	(D)	(D)
Other chiefly acrylic blends:						
Mixed with cotton.....	-	-	-	(D)	(D)	-
Mixed with wool.....	-	-	-	-	-	-
Mixed with other fibers.....	(D)	(D)	-	(D)	(D)	-
85 percent or more nylon.....	(D)	-	(D)	-	-	-
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)	-
All other manmade fibers 1/.....	1,006	78	928	(D)	(D)	(D)

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

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Table 7. Production of Yarn for All Other Uses by Fiber and Method of Distribution: 2002 and 2001
 [Thousands of pounds]

Principal fiber	2002			2001		
	Total	For sale	For own use or commission	Total	For sale	For own use or commission
All other spun yarns.....	173,911	131,356	42,555	189,434	145,854	43,580
Cotton.....	(D)	(D)	16,345	52,850	36,274	16,576
Carded.....	(D)	(D)	(D)	(D)	(D)	(D)
85 percent or more cotton.....	(D)	(D)	(D)	39,439	(D)	(D)
Other chiefly cotton blends.....	(D)	(D)	(D)	(D)	(D)	(D)
Combed.....	4,202	(D)	(D)	(D)	(D)	(D)
85 percent or more cotton.....	4,202	(D)	(D)	(D)	(D)	(D)
Other chiefly cotton blends.....	-	-	-	-	-	-
Wool and chiefly wool blends.....	(D)	(D)	(D)	857	(D)	(D)
Woolen.....	(D)	(D)	(D)	(D)	(D)	(D)
Worsted.....	(D)	(D)	-	(D)	(D)	-
Cellulosic (rayon, acetate, and/or lyocell).....	(D)	(D)	(D)	11,144	(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.....	8,146	(D)	(D)	(D)	(D)	(D)
Noncellulosic.....	115,490	92,436	23,054	124,583	100,841	23,742
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)	(D)	-	(D)
85 percent or more nylon.....	(D)	(D)	(D)	145	(D)	(D)
Other chiefly nylon blends.....	(D)	(D)	-	(D)	(D)	-
85 percent or more polyester.....	23,124	(D)	(D)	r/ 24,293	(D)	(D)
Other chiefly polyester blends:						
Mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)
Mixed with wool.....	-	-	-	-	-	-
Mixed with other fibers.....	(D)	(D)	(D)	6,779	(D)	(D)
All other manmade fibers 1/.....	64,273	64,273	-	(D)	(D)	-

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Table 8. Spun Yarn Production by State: 2002 and 2001
 [Thousands of pounds]

State	2002	2001
United States.....	5,789,352	6,089,983
Alabama.....	545,495	493,571
Georgia.....	1,466,696	1,520,832
Kentucky.....	(D)	(D)
Maine.....	27,848	14,376
Massachusetts.....	(D)	(D)
Mississippi.....	(D)	(D)
North Carolina.....	2,237,223	2,417,780
Pennsylvania.....	3,558	4,498
South Carolina.....	840,568	1,009,221
Tennessee.....	142,384	167,250
Texas.....	(D)	94,968
Virginia.....	253,788	240,295
All other states.....	47,879	48,754

D Withheld to avoid disclosing data for individual companies.

Table 9. Production of Spun Yarn by Spinning System and End Use: 2002 and 2001
 [Thousands of pounds]

System of spinning	2002			2001		
	Total	For sale	For own use or commission	Total	For sale	For own use or commission
Production, all systems.....	5,789,352	2,383,994	3,405,358	6,089,983	2,641,944	3,448,039
Cotton system.....	4,739,136	2,197,365	2,541,771	5,069,687	2,433,101	2,636,586
Weaving (except carpet).....	2,278,500	500,735	1,777,765	2,423,222	507,633	1,915,589
Machine knitting (except carpet).....	2,230,156	1,598,380	631,776	2,407,983	1,821,332	586,651
Carpet and rug.....	116,147	25,800	90,347	112,129	20,614	91,515
Hand knitting.....	1,704	(D)	(D)	(D)	(D)	-
All other uses.....	112,629	(D)	(D)	(D)	(D)	42,831
Woolen system.....	78,007	5,576	72,431	62,881	4,983	57,898
Weaving (except carpet).....	29,527	-	29,527	(D)	-	(D)
Machine knitting (except carpet).....	2,841	(D)	(D)	2,832	(D)	(D)
Carpet and rug.....	38,326	(D)	(D)	36,042	(D)	(D)
Hand knitting.....	6,631	(D)	(D)	(D)	(D)	(D)
All other uses.....	682	(D)	(D)	(D)	(D)	(D)
Worsted system.....	827,692	115,798	711,894	813,310	133,494	679,816
Weaving (except carpet).....	38,255	16,367	21,888	53,603	(D)	(D)
Machine knitting (except carpet).....	38,551	(D)	(D)	46,866	(D)	(D)
Carpet and rug.....	725,555	(D)	(D)	689,250	45,166	644,084
Hand knitting.....	(D)	(D)	(D)	23,237	(D)	(D)
All other uses.....	(D)	(D)	-	354	(D)	(D)
Other systems.....	144,517	65,255	79,262	144,105	70,366	73,739
Weaving (except carpet).....	(D)	(D)	(D)	(D)	(D)	(D)
Machine knitting (except carpet).....	-	-	-	-	-	-
Carpet and rug.....	79,266	(D)	(D)	73,688	(D)	(D)
Hand knitting.....	-	-	-	-	-	-
All other uses.....	(D)	(D)	-	(D)	(D)	-

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

Table 10. Production of Textured, Crimped, or Bulked Filament Yarns by Fiber and End Use: 2002 and 2001
 [Thousands of pounds]

Product description	2002			2001		
	Total	For sale	For own use or commission	Total	For sale	For own use or commission
All yarn.....	3,277,262	1,837,500	1,439,762	3,089,098	1,763,101	1,325,997
Nylon.....	2,151,692	1,238,008	913,684	1,971,519	1,147,196	824,323
Polyester.....	751,825	533,141	218,684	771,513	551,686	219,827
Rayon, acetate, and/or lyocell.....	640	50	590	881	491	390
Other yarns.....	373,105	66,301	306,804	345,185	63,728	281,457
Weaving yarn (except carpet).....	450,934	236,315	214,619	458,208	275,234	182,974
Nylon.....	41,488	30,669	10,819	62,534	(D)	(D)
Polyester.....	348,335	(D)	(D)	344,391	(D)	(D)
Rayon, acetate, and/or lyocell.....	554	(D)	(D)	450	(D)	(D)
Other yarns.....	60,557	11,843	48,714	50,833	9,547	41,286
Knitting yarn (except carpet).....	461,599	410,568	51,031	502,458	465,012	37,446
Nylon.....	97,076	91,027	6,049	151,916	146,668	5,248
Polyester.....	359,925	(D)	(D)	345,185	(D)	(D)
Rayon, acetate, and/or lyocell.....	9	(D)	(D)	210	(D)	(D)
Other yarns.....	4,589	(D)	(D)	r/ 5,147	(D)	(D)
Carpet and rug yarn.....	2,236,329	1,079,937	1,156,392	2,006,922	917,336	1,089,586
Nylon.....	1,894,577	1,007,945	886,632	1,645,228	841,432	803,796
Polyester.....	34,542	(D)	(D)	73,749	(D)	(D)
Rayon, acetate, and/or lyocell.....	-	-	-	-	-	-
Other yarns.....	307,210	(D)	(D)	287,945	(D)	(D)
All other uses.....	128,400	110,680	17,720	121,510	105,519	15,991
Nylon.....	118,551	(D)	(D)	111,841	(D)	(D)
Polyester.....	9,023	1,619	7,404	8,188	(D)	(D)
Rayon, acetate, and/or lyocell.....	(D)	-	(D)	221	(D)	(D)
Other yarns.....	(D)	(D)	(D)	1,260	(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: 2002 and 2001
[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/		
2002								
Spun yarn.....	2,626,050	151,960	418,188	5.8	208,432	667,176	2,682,522	7.8
Cotton.....	1,539,508	117,266	299,411	7.6	127,185	360,054	1,549,427	8.2
85 percent or more cotton.....	1,352,343	104,542	265,657	7.7	115,953	326,328	1,363,754	8.5
Carded.....	1,277,104	92,023	221,137	7.2	75,004	197,345	1,260,085	6.0
Combed.....	75,238	12,519	44,520	16.6	40,949	128,983	103,668	39.5
Other chiefly cotton blends.....	187,165	12,724	33,754	6.8	11,232	33,726	185,673	6.0
Carded.....	148,338	12,225	31,934	8.2	6,933	22,221	143,046	4.8
Combed.....	38,828	499	1,820	1.3	4,299	11,505	42,628	10.1
Wool spun yarn.....	18,848	285	3,653	1.5	5,736	54,592	24,299	23.6
Woolen.....	11,618	101	1,347	0.9	2,091	15,623	13,608	15.4
Worsted.....	7,230	184	2,306	2.5	3,645	38,969	10,691	34.1
Manmade spun yarn.....	1,067,694	34,409	115,124	3.2	75,511	252,530	1,108,796	6.8
Cellulosic.....	27,177	5,211	11,494	19.2	18,687	57,731	40,653	46.0
Noncellulosic.....	1,040,517	29,198	103,630	2.8	56,824	194,799	1,068,143	5.3
Polyester.....	624,620	22,377	64,646	3.6	19,375	51,245	621,618	3.1
85 percent or more polyester.....	191,250	4,640	15,795	2.4	10,534	28,616	197,144	5.3
Other chiefly polyester blends.....	433,371	17,737	48,851	4.1	8,841	22,629	424,475	2.1
Acrylic.....	78,426	1,623	7,100	2.1	18,704	88,156	95,507	19.6
85 percent or more acrylic.....	73,925	824	4,249	0.9	17,084	80,216	90,185	18.9
Other chiefly acrylic blends.....	4,500	799	2,851	17.8	1,620	7,940	5,321	30.4
Nylon.....	289,490	2,241	13,436	0.8	1,202	12,031	288,451	0.4
All other, including silk and other natural fibers.....	47,981	2,957	18,448	6.2	17,543	43,367	62,567	28.0
Manmade textured, bulked, or crimped filament yarn.....	1,486,276	72,361	207,091	4.9	138,947	374,661	1,764,183	7.9
Polyester.....	341,028	36,578	81,320	10.7	42,486	82,744	346,936	12.2
Nylon.....	976,007	30,489	111,460	3.1	87,437	268,653	1,032,955	8.5
Other.....	169,240	5,294	14,311	3.1	9,024	23,264	172,970	5.2
2001								
Spun yarn.....	2,762,416	139,855	408,823	5.1	197,816	704,788	2,820,377	7.0
Cotton.....	1,621,470	98,187	263,133	6.1	119,227	375,751	1,642,510	7.3
85 percent or more cotton.....	1,463,324	90,204	238,760	6.2	108,872	340,223	1,481,992	7.3
Carded.....	1,368,425	81,745	205,349	6.0	75,944	220,939	1,362,624	5.6
Combed.....	94,899	8,459	33,411	8.9	32,928	119,284	119,368	27.6
Other chiefly cotton blends.....	158,146	7,983	24,373	5.0	10,355	35,528	160,518	6.5
Carded.....	120,596	7,498	21,799	6.2	7,928	27,768	121,026	6.6
Combed.....	37,550	485	2,574	1.3	2,427	7,760	39,492	6.1
Wool spun yarn.....	25,732	658	8,386	2.6	5,938	60,084	31,012	19.1
Woolen.....	15,280	150	1,683	1.0	1,856	15,222	16,986	10.9
Worsted.....	10,452	508	6,703	4.9	4,082	44,862	14,026	29.1
Manmade spun yarn.....	1,115,214	41,010	137,304	3.7	72,651	268,953	1,146,855	6.3
Cellulosic.....	23,489	5,242	12,701	22.3	14,697	52,110	32,944	44.6
Noncellulosic.....	1,091,725	35,768	124,603	3.3	57,954	216,843	1,113,911	5.2
Polyester.....	667,693	22,474	62,204	3.4	17,274	50,276	662,493	2.6
85 percent or more polyester.....	198,460	2,967	10,183	1.5	9,201	27,624	204,694	4.5
Other chiefly polyester blends.....	469,233	19,507	52,021	4.2	8,073	22,652	457,799	1.8
Acrylic.....	104,408	2,874	15,335	2.8	23,696	110,382	125,230	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.....	4,791	1,052	7,703	22.0	1,330	7,347	5,069	26.2
Nylon.....	268,948	5,089	18,515	1.9	1,025	13,659	264,884	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.....	1,400,815	77,390	221,863	5.5	104,498	307,876	1,764,183	5.9
Polyester.....	349,958	43,265	95,163	12.4	30,898	66,456	337,591	9.2
Nylon.....	894,281	26,067	104,956	2.9	67,118	221,822	935,332	7.2
Other.....	156,576	8,058	21,744	5.1	6,482	19,598	155,000	4.2

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 B Export Codes and HTSUSA Import Codes: 2002

Product description	Import codes 1/	Export codes 2/
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

Continued

Table 12. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes and HTSUSA Import Codes: 2002

Product description	Import codes 1/	Export codes 2/
Chiefly carded cotton blends (Continued)	5206140000	5206140000
	5206150000	5206150000
	5206310000	5206310000
	5206320000	5206320000
	5206330000	5206330000
	5206340000	5206340000
	5206350000	5206350000
	5207900000	5207900000
Chiefly combed cotton blends.....	5206210000	5206210000
	5206220000	5206220000
	5206230000	5206230000
	5206240000	5206240000
	5206250000	5206250000
	5206410000	5206410000
	5206420000	5206420000
	5206430000	5206430000
	5206440000	5206440000
5206450000	5206450000	
Wool spun on woolen system.....	5106100010	5106100010
	5106100090	5106100090
	5106200000	5106200000
	5109102000	
	5109902000	
Wool spun on worsted system.....	5107100000	5107100000
	5107103000	5107200000
	5107106000	5109100000
	5107200000	5109900000
	5107203000	
	5107206000	
	5109108000	
5109908000		
Cellulosic Manmade spun yarn.....	5510110000	5510110000
	5510120000	5510120000
	5510200000	5510200000
	5510300000	5510300000
	5510902000	5510900000
	5510904000	5511300000
	5510906000	
5511300000		
85 percent or more polyester spun yarn.....	5509210000	5509210000
	5509220010	5509220000
	5509220090	

Continued

Table 12. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes and HTSUSA Import Codes: 2002

Product description	Import codes 1/	Export codes 2/
Other chiefly polyester blend spun yarn.....	5509513000	5509510000
	5509516000	5509520000
	5509520000	5509530000
	5509530030	5509590000
	5509530060	
	5509590000	
85 percent or more acrylic spun yarn.....	5509310000	5509310000
	5509320000	5509320000
	5511100030	
Other chiefly acrylic blend spun yarn.....	5509610000	5509610000
	5509620000	5509620000
	5509692000	5509690000
	5509694000	
	5509696000	
Nylon spun yarn.....	5509110000	5509110000
	5509120000	5509120000
All other spun yarns, including silk and other natural fibers.....	5004000000	5004000000
	5005000010	5005000000
	5005000090	5006000000
	5006001000	5306100000
	5006009000	5306200000
	5306100000	5307100000
	5306200000	5307200000
	5307100000	5308100000
	5307200000	5308200000
	5308100000	5308300000
	5308200000	5308900000
	5308300000	5509410000
	5308900000	5509420000
	5509410010	5509910000
	5509410090	5509920000
	5509420010	5509990000
	5509420090	5511100000
	5509910000	5511200000
	5509920000	
	5509992000	
5509994000		
5509996000		
5511100060		
5511200000		
Polyester textured, bulk, or crimped filament yarn.....	5402333000	5402330000
	5402336000	

Continued

Table 12. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes and HTSUSA Import Codes: 2002

Product description	Import codes 1/	Export codes 2/
Nylon textured, bulk, or crimped filament yarn.....	5402313000	5402310000
	5402316000	5402320000
	5402323000	
	5402326000	
All other textured, bulk, or crimped filament yarn.....	5402393010	5402390000
	5402393090	5403200000
	5402396010	
	5402396090	
	5403203000	
	5403206000	

1/Source: Harmonized Tariff Schedule of the United States, Annotated (2002).

2/Source: 2002 edition, Harmonized System - Based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

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.