

MA313K(03)-1

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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 Phil Brown, 301-763-4740.

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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 Knit Fabrics Production: 1998 to 2003  
 [Millions of pounds]

Year	Total	Warp knit	Weft knit
2003.....	1,096	193	903
2002.....	1,179	198	981
2001.....	1,272	215	1,057
2000.....	1,594	322	1,272
1999.....	1,822	404	1,418
1998.....	2,016	497	1,519

Note: Detail may not add because of independent rounding.

Table 2. Production of Knit Fabrics Off Knitting Machine by Type: 2003 and 2002  
[Thousands of pounds]

Product code	Product description	2003		2002	
		Number of knitting machines 1/	Total production	Number of knitting machines 1/	Total production
	Knit fabrics production, excluding narrow knit fabrics and knit garment lengths, trimmings, and collars.....	8,020	1,056,060	9,410	1,133,805
	Warp knit fabrics yard goods (over 12 inches in width).....	1,934	181,610	2,325	184,411
3132491121	Pile fabrics (raschel and raschel crochet)..... a/	407	44,431	b/r/ 484	b/ 44,614
3132491122	Long pile fabrics..... (X)	(X)	33,225	(X) b/r/	29,868
3132491123	All acrylic or modacrylic and chiefly acrylic or modacrylic..... (X)	(X)	(D)	(X)	(D)
3132491125	All polyester and chiefly polyester..... (X)	(X)	31,403	(X) b/r/	28,389
3132491129	All other fibers..... (X)	(X)	(D)	(X)	(D)
3132491131	Looped pile fabrics (terry cloth)..... (X)	(X)	2,194	(X) a/	3,585
3132491132	All cotton and chiefly cotton..... (X)	(X)	(S)	(X)	(S)
3132491135	All manmade and chiefly manmade..... (X)	(X)	1,627	(X)	2,536
3132491139	All other fibers..... (X)	(X)	-	(X)	-
3132491141	All other pile fabrics (velour, etc.)..... (X) a/	(X) a/	9,012	(X) a/	11,161
3132491143	All cotton and chiefly cotton..... (X)	(X)	-	(X)	-
3132491146	All manmade and chiefly manmade..... (X)	(X)	(D)	(X)	(D)
3132491149	All other fibers..... (X)	(X)	(D)	(X)	(D)
3132491151	Elastic fabrics (containing by weight 5 percent or more elastomeric yarn or rubber thread)..... b/	420	b/ 23,713	a/ 528	b/ 29,375
3132491161	All other warp knit fabrics..... a/	1,107	a/ 113,466	a/ 1,313	a/ 110,422
	By type:				
3132491163	Tricot, simplex, and milanese..... (X) a/	(X) a/	49,154	(X) a/	46,625
3132491169	All other..... (X) a/	(X) a/	64,312	(X) a/	63,797
	By fiber:				
3132491171	All cotton and chiefly cotton..... (X)	(X)	(D)	(X)	(D)
3132491174	All wool and chiefly wool..... (X)	(X)	(D)	(X)	(D)
3132491175	All manmade and chiefly manmade..... (X) a/	(X) a/	107,354	(X) a/	103,779
3132491179	All other fibers..... (X)	(X)	(D)	(X)	(D)
	Weft knit yard goods (over 12 inches in width).....	6,086	874,450	7,085	949,394
3132411221	Pile fabrics..... b/	264	a/ 30,802	b/ 333	a/ 45,261
3132411223	Long pile fabrics, including sliver knit..... (X)	(X)	16,136	(X)	19,141
3132411224	All acrylic or modacrylic and chiefly acrylic or modacrylic..... (X)	(X)	(D)	(X)	(D)
3132411225	All polyester and chiefly polyester..... (X)	(X)	11,791	(X)	14,731
3132411226	All other fibers..... (X)	(X)	(D)	(X)	(D)
3132411229	Looped pile fabrics (terry cloth)..... (X) a/	(X) a/	13,474	(X) a/	24,716
3132411231	All cotton and chiefly cotton..... (X)	(X)	7,800	(X) a/	18,181
3132411233	All manmade and chiefly manmade..... (X) a/	(X) a/	5,674	(X) b/	6,535
3132411235	All other fibers..... (X)	(X)	-	(X)	-
3132411237	All other pile fabrics (velour, etc.)..... (X)	(X)	(S)	(X)	(S)
3132411239	All cotton and chiefly cotton..... (X)	(X)	(D)	(X)	(D)
3132411241	All manmade and chiefly manmade..... (X)	(X)	(D)	(X)	(D)
3132411243	All other fibers..... (X)	(X)	(D)	(X)	(D)
3132411246	Elastic fabrics (containing by weight 5 percent or more elastomeric yarn or rubber thread)..... b/	89	b/ 11,254	a/r/ 149	a/ 17,469
3132411251	Single circular knit (except pile and elastic)..... b/	4,098	b/ 694,426	b/ 4,544	b/ 723,740
	By type:				
3132411253	Fleece or flannel..... (X) b/	(X) b/	155,561	(X) b/	178,468
3132411255	Underwear and nightwear..... (X) a/	(X) a/	219,003	(X) a/	215,259
3132411257	All other apparel uses..... (X) b/	(X) b/	276,229	(X) b/	277,847
3132411259	All other uses..... (X) a/	(X) a/	43,633	(X) a/	52,166
	By fiber:				
3132411261	All cotton and chiefly cotton..... (X) b/	(X) b/	508,800	(X) b/	517,765
3132411263	All wool and chiefly wool..... (X)	(X)	1,058	(X) r/	1,159
3132411264	All nylon and chiefly nylon..... (X) b/	(X) b/	5,485	(X) b/	5,086
3132411265	All polyester and chiefly polyester..... (X)	(X)	44,096	(X)	44,291
3132411267	All manmade and chiefly manmade..... (X) a/	(X) a/	130,691	(X) a/	149,241
3132411269	All other fibers..... (X)	(X)	4,296	(X)	6,198
3132411271	Double knit and interlock..... b/	666	81,570	b/ 1,018	a/ 96,252
	By fiber:				
3132411272	All cotton and chiefly cotton..... (X) b/	(X) b/	18,669	(X) a/r/	22,879
3132411274	All wool and chiefly wool..... (X) b/	(X) b/	197	(X) a/	231
3132411276	All manmade and chiefly manmade..... (X) a/	(X) a/	62,298	(X) a/	72,700
3132411279	All other fibers..... (X) b/	(X) b/	406	(X) b/	442

Table 2. Production of Knit Fabrics Off Knitting Machine by Type: 2003 and 2002  
[Thousands of pounds]

Product code	Product description	2003		2002		
		Number of knitting machines 1/	Total production	Number of knitting machines 1/	Total production	
	By type:					
3132411281	Outerwear apparel, other than shirts.....	(X) a/	15,478	(X)		18,936
3132411283	Outer shirts, blouses, and tops.....	(X) a/	41,745	(X) a/		48,212
3132411289	All other uses.....	(X) a/	24,347	(X) a/		29,104
3132411291	Rib other than double knit and interlock..... b/	969 b/	56,398	a/ 1,041 a/		66,672
3132411292	All cotton and chiefly cotton.....	(X)	26,842	(X)		35,979
3132411293	All wool and chiefly wool.....	(X)	(D)	(X)		(D)
3132411294	All manmade and chiefly manmade.....	(X) b/	18,517	(X) b/		19,587
3132411298	All other fibers.....	(X)	(D)	(X)		(D)
	Narrow knit fabrics production.....	855	39,714	1,175		44,812
	Narrow warp knit yard goods (12 inches or less in width).....	490	11,646	552		13,322
3132491113	Elastic fabrics.....	(D)	(D)	(D)		(D)
3132491116	All other narrow warp knit fabrics.....	(D)	(D)	(D)		(D)
	Narrow weft knit fabrics yard goods (12 inches or less in width).....	365	28,068	623		31,490
3132411113	Elastic fabrics.....	(D)	(D)	(D)		(D)
3132411115	All other narrow knit fabrics.....	(D)	(D)	(D)		(D)
	Knit garment lengths, trimmings, and collars 2/.....	1,755	19,602	2,178		25,576
	Knit garment lengths, made on sweater, strip, V-bed, and full-fashioned machines..... b/	575 b/	6,993	b/ 804 b/r/		9,028
	Knit trimmings and collars..... b/	1,180 b/	12,609	b/ 1,374 b/		16,548

- Represents zero. D Withheld to avoid disclosing data for individual companies. r/Revised by 5 percent or more from previously published data. S Does not meet publication standards. X Not applicable.

1/Knitting machines operating on the last working day of the year.  
2/Quantity produced in thousands of dozens.

Note: Percent of estimation for each item is indicated as follows: a/10 to 25 percent of this item is estimated. b/26 to 50 percent of this item is estimated. c/Over 50 percent of this item is estimated.

Table 3. Production of Knit Fabrics Off Knitting Machine by Method of Distribution: 2003 and 2002  
 [Thousands of pounds]

Product code	Product description	2003			2002		
		Produced for own use	Produced for sale	Produced on commission	Produced for own use	Produced for sale	Produced on commission
	Knit fabrics production, excluding narrow knit fabrics and knit garment lengths, trimmings, and collars.....	655,380	275,671	125,009	703,955	296,594	133,256
	Warp knit fabrics yard goods (over 12 inches in width).....	40,797	132,615	8,198	r/ 45,891	r/ 129,985	8,535
3132491121	Pile fabrics (raschel and raschel crochet).....	a/ 5,754	36,762	1,915	r/ 8,960	b/r/ 33,257	a/ 2,397
3132491151	Elastic fabrics (containing by weight 5 percent or more elastomeric yarn or rubber thread).....	b/ 16,629	a/ 7,084	-	b/ 18,425	r/ 10,950	-
3132491161	All other warp knit fabrics.....	18,414	a/ 88,769	6,283	18,506	a/ 85,778	a/ 6,138
	Weft knit fabrics yard goods (over 12 inches in width).....	614,583	143,056	116,811	658,064	166,609	124,721
3132411221	Pile fabrics.....	(D)	22,806	(D)	(D)	26,820	(D)
3132411246	Elastic fabrics (containing by weight 5 percent or more elastomeric yarn or rubber thread).....	(D)	b/ 5,680	(D)	(D)	9,654	(D)
3132411251	Single circular knit (except pile and elastic).....	a/ 558,578	b/ 83,670	a/ 52,178	a/ 573,036	b/ 96,239	a/ 54,465
3132411271	Double knit and interlock.....	a/ 19,625	b/ 23,058	a/ 38,887	a/r/ 27,003	a/r/ 25,662	a/ 43,587
3132411291	Rib other than double knit and interlock.....	b/ 30,860	a/ 7,842	b/ 17,696	42,840	a/ 8,234	a/ 15,598
	Narrow knit fabrics production.....	9,377	26,488	3,849	11,130	28,874	4,808
	Narrow warp knit fabrics yard goods (12 inches or less in width).....	(D)	11,500	(D)	(D)	13,177	(D)
3132491113	Elastic fabrics.....	(D)	(D)	-	(D)	(D)	-
3132491116	All other narrow warp knit fabrics.....	(D)	(D)	(D)	(D)	(D)	(D)
	Narrow weft knit fabrics yard goods (12 inches or less in width).....	(D)	14,988	(D)	(D)	15,697	(D)
3132411113	Elastic fabrics.....	(D)	(D)	(D)	(D)	(D)	(D)
3132411115	All other narrow weft knit fabrics.....	(D)	(D)	(D)	(D)	(D)	(D)
	Knit garment lengths, trimmings, and collars 1/.....	8,630	5,932	5,040	r/ 12,607	r/ 7,157	5,812
	Knit garment lengths, made on sweater, strip, V-bed, and full-fashioned machines.....	2,419	b/ 869	b/ 3,705	r/ 2,858	a/r/ 2,394	b/ 3,776
	Knit trimmings and collars.....	b/ 6,211	b/ 5,063	b/ 1,335	9,749	b/ 4,763	2,036

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

1/Quantity produced in thousands of dozens.

Note: Percent of estimation for each item is indicated as follows: a/10 to 25 percent of this item is estimated. b/26 to 50 percent of this item is estimated. c/Over 50 percent of this item is estimated.

Table 4a. Shipments, Exports, Imports, and Apparent Consumption of Knit Fabrics: 2003  
 [Quantity in thousands of kilograms. Value in thousands of dollars]

Product description	Domestic production (quantity)	Exports of domestic merchandise 1/		Percent exports to manufacturers' shipments (quantity)	Imports for consumption 2/		Percent imports to domestic merchandise (quantity)	Apparent consumption
		Quantity	Value at port		Quantity	Value 3/		
Total.....	497,035	238,753	1,391,524	48.0	188,824	1,175,425	38.0	447,106
Pile fabrics.....	34,125	19,619	162,858	57.5	37,259	218,826	109.2	51,765
Long pile fabrics.....	22,390	1,386	9,268	6.2	1,354	12,876	6.0	22,358
Looped pile fabrics.....	7,107	8,050	85,034	113.3	21,819	119,784	307.0	20,876
Of cotton fibers.....	3,795	1,098	4,034	28.9	1,259	8,191	33.2	3,956
Of manmade fibers.....	3,312	4,621	70,011	139.5	20,371	108,999	615.1	19,062
Of other fibers.....	-	2,331	10,989	(S)	189	2,594	(NA)	(S)
Other pile fabrics.....	4,628	10,183	68,556	(S)	14,086	86,166	304.3	(S)
Of cotton fibers.....	(D)	1,832	6,714	(D)	2,058	13,773	(D)	(D)
Of manmade fibers.....	(D)	5,968	54,571	(D)	11,991	71,834	(D)	(D)
Of other fibers.....	(D)	2,383	7,271	(D)	37	559	(D)	(D)
Elastic fabrics.....	24,073	40,936	390,658	(S)	38,943	389,752	161.8	(S)
12 inches or less in width.....	8,212	31,602	259,071	(S)	4,012	37,989	48.9	(S)
Over 12 inches in width.....	15,861	9,334	131,587	58.8	34,931	351,763	220.2	41,458
Other warp knit fabrics.....	51,467	12,049	72,275	23.4	21,860	134,479	42.5	61,278
Of cotton fibers.....	(D)	1,908	12,984	(D)	901	4,552	(D)	(D)
Of wool fibers.....	(D)	22	274	(D)	14	488	(D)	(D)
Of manmade fibers.....	48,695	9,902	56,182	20.3	20,918	128,659	43.0	59,711
Of other fibers.....	(D)	217	2,835	(D)	27	780	(D)	(D)
Other narrow knit fabrics.....	9,802	3,382	20,943	34.5	1,147	12,393	11.7	7,567
Other knit fabrics.....	377,568	162,767	744,790	43.1	89,615	419,975	23.7	304,416
Of cotton fibers.....	251,431	135,520	581,294	53.9	43,720	154,254	17.4	159,631
Of wool fibers.....	(D)	80	342	(D)	88	3,309	(D)	(D)
Of manmade fibers.....	118,427	26,245	157,599	22.2	45,672	260,326	38.6	137,854
Double knit and interlock 4/.....	28,258	(NA)	(NA)	(NA)	9,307	50,064	32.9	(NA)
Other 4/.....	90,169	(NA)	(NA)	(NA)	36,365	210,262	40.3	(NA)
Of other fibers.....	(D)	922	5,555	(D)	135	2,086	(D)	(D)

- Represents zero. D Withheld to avoid disclosing data for individual companies. NA Not available. S Does not meet publication standards.

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

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

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

4/Individual export data are not available for these products; however, export data are available on a total basis.

Table 4b. Shipments, Exports, Imports, and Apparent Consumption of Knit Fabrics: 2002  
 [Quantity in thousands of kilograms. Value in thousands of dollars]

Product description	Domestic production (quantity)	Exports of domestic merchandise 1/		Percent exports to manufacturers' shipments (quantity)	Imports for consumption 2/		Percent imports to domestic merchandise (quantity)	Apparent consumption
		Quantity	Value at port		Quantity	Value 3/		
Total.....	534,612	169,998	1,082,208	31.8	187,967	1,221,455	35.2	552,581
Pile fabrics.....	40,767	24,348	174,556	59.7	38,944	225,151	95.5	55,363
Long pile fabrics.....	22,230	1,131	6,066	5.1	1,525	1,040	6.9	22,624
Looped pile fabrics.....	12,837	6,077	65,729	47.3	21,054	113,935	164.0	27,814
Of cotton fibers.....	8,723	328	1,768	3.8	1,506	10,738	17.3	9,901
Of manmade fibers.....	4,115	4,097	57,111	99.6	19,309	100,120	469.3	19,327
Of other fibers.....	-	1,652	6,850	(S)	239	3,077	(NA)	(S)
Other pile fabrics.....	5,699	17,140	102,761	(S)	16,365	110,176	287.1	(S)
Of cotton fibers.....	(D)	2,254	8,591	(D)	1,155	10,284	(D)	(D)
Of manmade fibers.....	(D)	9,222	78,643	(D)	15,169	99,305	(D)	(D)
Of other fibers.....	(D)	5,664	15,527	(D)	41	587	(D)	(D)
Elastic fabrics.....	29,767	41,951	389,191	(S)	39,413	403,704	132.4	(S)
12 inches or less in width.....	8,519	34,003	292,956	(S)	7,615	62,607	89.4	(S)
Over 12 inches in width.....	21,248	7,948	96,235	37.4	31,798	341,097	149.7	45,098
Other warp knit fabrics.....	50,087	7,324	56,717	14.6	16,018	124,114	32.0	58,781
Of cotton fibers.....	(D)	1,695	12,004	(D)	388	2,954	(D)	(D)
Of wool fibers.....	(D)	32	202	(D)	4	172	(D)	(D)
Of manmade fibers.....	47,073	5,559	44,045	11.8	15,575	120,433	33.1	57,089
Of other fibers.....	(D)	38	466	(D)	51	555	(D)	(D)
Other narrow knit fabrics.....	11,807	3,267	23,692	27.7	1,370	12,923	11.6	9,910
Other knit fabrics.....	402,184	93,108	438,052	23.2	92,222	455,563	22.9	401,298
Of cotton fibers.....	261,552	66,687	287,096	25.5	45,074	157,648	17.2	239,939
Of wool fibers.....	(D)	21	143	(D)	67	2,167	(D)	(D)
Of manmade fibers.....	131,952	25,857	147,185	19.6	46,920	293,845	35.6	153,015
Double knit and interlock 4/.....	32,976	(NA)	(NA)	(NA)	10,435	58,108	31.6	(NA)
Other 4/.....	98,976	(NA)	(NA)	(NA)	36,485	235,737	36.9	(NA)
Of other fibers.....	(D)	543	3,628	(D)	161	1,903	(D)	(D)

- Represents zero. D Withheld to avoid disclosing data for individual companies. NA Not available. S Does not meet publication standards.

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

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

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

4/Individual export data are not available for these products; however, export data are available on a total basis.

Table 5. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Import Codes: 2003

Product code	Product description	Export code 1/	Import code 2/
3132411223, 3132491122	Long pile fabrics.....	6001.10.0000	6001.10.2000 6001.10.6000
3132411231, 3132491132	Cotton looped pile fabrics.....	6001.21.0000	6001.21.0000
3132411233, 3132491135	Manmade looped pile fabrics.....	6001.22.0000	6001.22.0000
3132411235, 3132491139	Other looped pile fabrics.....	6001.29.0000	6001.29.0000
3132411239, 3132491143	Cotton other pile fabrics.....	6001.91.0000	6001.91.0010 6001.91.0020
3132411241, 3132491146	Manmade other pile fabrics.....	6001.92.0000	6001.92.0010 6001.92.0020 6001.92.0030 6001.92.0040
3132411243, 3132491149	Other pile fabrics (except cotton and manmade).....	6001.99.0000	6001.99.1000 6001.99.9000
3132411246, 3132491151	Elastic fabrics over 12 inches.....	6004.10.0000 6004.90.1000 6004.90.9000	6004.10.0010 6004.90.2010 6004.10.0025 6004.90.2025 6004.10.0085 6004.90.2085 6004.90.9000
3132411113, 3132491113	Elastic fabrics 12 inches or less.....	6002.40.4000 6002.40.8000 6002.90.4000 6002.90.8000	6002.40.4000 6002.90.4000 6002.40.8020 6002.90.8020 6002.40.8080 6002.90.8080
3132491171	Cotton warp knit fabrics.....	6005.21.0000 6005.22.0000 6005.23.0000 6005.24.0000	6005.21.0000 6005.22.0000 6005.23.0000 6005.24.0000
3132491174	Wool warp knit fabrics.....	6005.10.0000	6005.10.0000

Continued

Table 5. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Import Codes: 2003

Product code	Product description	Export code 1/	Import code 2/
3132491175	Manmade warp knit fabrics.....	6005.31.0000	6005.31.0010
		6005.32.0000	6005.32.0010
		6005.33.0000	6005.33.0010
		6005.34.0000	6005.34.0010
		6005.41.0000	6005.41.0010
		6005.42.0000	6005.42.0010
		6005.43.0000	6005.43.0010
		6005.44.0000	6005.44.0010
			6005.31.0020
			6005.32.0020
			6005.33.0020
			6005.34.0020
			6005.41.0020
			6005.42.0020
			6005.43.0020
			6005.44.0020
		3132491179	Other warp knit fabrics.....
3132411115, 3132491116	Other narrow knit fabrics.....	6003.10.1000	6003.10.1000
		6003.10.9000	6003.10.9000
		6003.20.1000	6003.20.1000
		6003.20.3000	6003.20.3000
		6003.30.1000	6003.30.1000
		6003.30.6000	6003.30.6000
		6003.40.1000	6003.40.1000
		6003.40.6000	6003.40.6000
		6003.90.1000	6003.90.1000
		6003.90.9000	6003.90.9000
3132411261, 3132411272, 3132411292	Cotton other knit fabrics.....	6006.21.1000	6006.21.1000
		6006.21.9020	6006.21.9020
		6006.21.9080	6006.21.9080
		6006.22.1000	6006.22.1000
		6006.22.9020	6006.22.9020
		6006.22.9080	6006.22.9080
		6006.23.1000	6006.23.1000
		6006.23.9020	6006.23.9020

Continued

Table 5. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Import Codes: 2003

Product code	Product description	Export code 1/	Import code 2/
	Cotton other knit fabrics (Continued).....	6006.23.9080 6006.24.1000 6006.24.9020 6006.24.9080	6006.23.9080 6006.24.1000 6006.24.9020 6006.24.9080
3132411263, 3132411274, 3132411293	Wool other knit fabrics.....	6006.10.0000	6006.10.0000
3132411264, 3132411265, 3132411267, 3132411276, 3132411294	Manmade other knit fabrics.....	6006.31.0000 6006.32.0000 6006.33.0000 6006.34.0000 6006.41.0000 6006.42.0000 6006.43.0000 6006.44.0000	6006.31.0020 6006.32.0020 6006.33.0020 6006.34.0020 6006.31.0040 6006.32.0040 6006.33.0040 6006.34.0040 6006.31.0060 6006.32.0060 6006.33.0060 6006.34.0060 6006.41.0025 6006.42.0025 6006.43.0025 6006.44.0025 6006.31.0080 6006.32.0080 6006.33.0080 6006.34.0080 6006.41.0085 6006.42.0085 6006.43.0085 6006.44.0085
3132411269, 3132411279, 3132411298	Other fibers other knit fabrics.....	6006.90.0000	6006.90.1000 6006.90.9000

1/Source: 2003 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 (2003).

# Appendix.

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

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### 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 Foodservices
- 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.)

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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.

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**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 production of knit fabrics have been collected by the Census Bureau since 1966. Historical data may be obtained from Current Industrial Reports available at your local Federal Depository Library. Additional information (employment, payroll, cost of materials, capital expenditures, inventories, etc.) on knit fabrics is available in both the economic census, manufacturing sector and the annual survey of manufactures.