

# Glass Containers: 2004

## Summary

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#### SUMMARY OF FINDINGS

In 2004, production of glass containers in the United States amounted to 241.3 million gross, whereas shipments amounted to 239.7 million gross. In 2003, the total production of glass containers amounted to 244.2 million gross, and the total shipments amounted to 238.4 million gross. Stocks on hand of glass at the end of 2004 totaled 34.6 million gross. Stocks on hand of glass at the end of the 2003 totaled 36.4 million gross.

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

Address inquiries concerning these data to Primary Goods Industries Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call Louis Blanco, 301-763-4643.

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

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Table 1. Summary of Shipments, Production, and Stocks of Glass Containers: 2004 and 2003  
[Thousands of gross]

Year and month	Seasonally adjusted 1/			Not seasonally adjusted		
	Shipments	Production	Stocks, end of month 2/	Shipments	Production	Stocks, end of month 2/
<b>2004</b>						
Total.....	(X)	(X)	(X)	239,654	241,340	(X)
December.....	19,485	19,027	34,867	16,961	15,057	r/ 34,623
November.....	19,973	19,943	35,810	18,632	19,603	r/ 36,824
October.....	19,740	20,401	37,096	19,209	21,476	36,156
September.....	19,302	20,373	35,909	19,171	19,798	34,229
August.....	19,731	20,290	35,374	21,174	21,225	33,900
July.....	19,779	20,027	34,979	20,852	20,925	33,952
June.....	19,900	19,867	34,937	22,271	20,081	34,030
May.....	20,146	19,695	36,121	21,104	20,676	36,658
April.....	20,545	20,424	35,846	21,528	21,044	37,362
March.....	20,085	20,331	36,432	21,179	21,194	38,255
February.....	20,001	20,512	36,834	18,592	20,000	38,333
January.....	20,123	20,287	36,987	18,981	20,261	37,275
<b>2003</b>						
Total.....	(X)	(X)	(X)	238,400	244,151	(X)
December.....	20,338	20,056	36,643	17,766	16,129	36,441
November.....	20,115	20,233	38,499	17,786	19,714	38,941
October.....	20,615	20,124	39,136	20,991	21,387	37,473
September.....	20,485	19,937	39,771	20,629	19,507	37,508
August.....	19,941	20,047	41,106	20,919	20,597	38,925
July.....	19,787	20,354	40,498	21,554	21,360	39,328
June.....	19,712	21,153	40,644	21,229	21,381	39,722
May.....	19,758	20,717	39,013	21,374	21,740	39,786
April.....	19,426	20,565	37,596	20,487	21,183	39,604
March.....	19,319	20,468	36,904	19,191	21,232	39,170
February.....	19,550	20,014	35,412	17,794	19,301	37,215
January.....	19,537	20,662	34,855	18,680	20,620	35,406

r/Revised by 5 percent or more from previously published data. X Not applicable.

1/Seasonality was detected in the data; therefore, data are adjusted to extract the effects of seasonality from the original series to reveal the series devoid of seasonal effects.

2/Data are limited to stocks at manufacturing establishments. Prior month end-of-month stocks plus current month production minus current month shipments may not equal current month end-of-month stocks due to breakage, stock adjustments, and resales. Total stocks for the end of a year are shown in December of that year.

Note: One thousand gross = 144,000.

Table 2. Shipments and Production of Glass Containers by Type of Container and End Use: 2001 to 2004  
[Thousands of gross]

Product code	Product description	2004	2003	2002	2001
<b>SHIPMENTS</b>					
	Total 1/.....	239,654	238,400	245,310	244,349
By end use:					
Food:					
3272130015	Total 2/.....	44,919	46,971	47,291	55,193
3272130011	Narrow neck 2/.....	(NA)	(NA)	(NA)	(NA)
3272130021	Wide mouth 2/.....	(NA)	(NA)	(NA)	(NA)
Beverages:					
3272130035	Total 3/.....	20,918	19,422	24,087	21,147
3272130031	Carbonated 3/.....	(NA)	(NA)	(NA)	(NA)
3272130041	Noncarbonated 3/.....	(NA)	(NA)	(NA)	(NA)
3272130051	Beer.....	135,853	132,746	129,724	125,350
3272130061	Liquor.....	7,449	7,884	7,730	7,552
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	8,470	8,649	13,688	10,344
3272130071	Wine.....	12,582	12,794	12,042	12,985
3272130081	Other 4/.....	9,463	9,934	10,748	11,778
<b>PRODUCTION</b>					
	Total 1/.....	241,340	244,151	248,514	240,515
By end use:					
Food:					
3272130015	Total 2/.....	44,315	47,245	49,129	54,398
3272130011	Narrow neck 2/.....	(NA)	(NA)	(NA)	(NA)
3272130021	Wide mouth 2/.....	(NA)	(NA)	(NA)	(NA)
Beverages:					
3272130035	Total 3/.....	20,633	20,397	22,129	19,486
3272130031	Carbonated 3/.....	(NA)	(NA)	(NA)	(NA)
3272130041	Noncarbonated 3/.....	(NA)	(NA)	(NA)	(NA)
3272130051	Beer.....	137,548	138,664	131,362	124,185
3272130061	Liquor.....	7,547	7,545	7,916	7,847
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	8,454	7,979	14,352	10,416
3272130071	Wine.....	13,499	12,821	12,753	13,027
3272130081	Other 4/.....	9,344	9,500	10,873	11,156

NA Not available.

1/Includes exports.

2/Beginning in 2001, data for "Narrow neck" and "Wide mouth" food containers were combined into a single "Food, total" container line.

3/Beginning in 2001, data for "Carbonated" and "Noncarbonated" beverage containers were combined into a single "Beverage, total" container line.

4/Includes containers for chemical, cosmetic, health, household, industrial, medicinal, and toiletry products.

Note: One thousand gross = 144,000.

Table 3. Shipments, Production, and Stocks of Glass Containers by End Use: 2004  
 [Quantity in thousands of gross]

Product code	Product description	Number of production companies	Shipments	Production	Stocks, end of month 1/
<b>Total 2004</b>					
	Total 2/.....	(NA)	239,654	241,340	(X)
3272130015	Food 3/.....	(NA)	44,919	44,315	(X)
3272130035	Beverages 4/.....	(NA)	20,918	20,633	(X)
3272130045	Beer.....	(NA)	135,853	137,548	(X)
3272130055	Liquor.....	(NA)	7,449	7,547	(X)
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	(NA)	8,470	8,454	(X)
3272130075	Wine.....	(NA)	12,582	13,499	(X)
3272130081	Other 5/.....	(NA)	9,463	9,344	(X)
<b>January 2004</b>					
	Total 2/.....	10	18,981	20,261	37,275
3272130015	Food 3/.....	6	3,632	3,944	8,537
3272130035	Beverages 4/.....	4	1,486	1,641	5,640
3272130045	Beer.....	6	11,078	11,287	13,782
3272130055	Liquor.....	5	581	679	1,774
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	474	760	1,431
3272130075	Wine.....	4	943	1,101	3,284
3272130081	Other 5/.....	7	r/ 787	r/ 849	r/ 2,827
<b>February 2004</b>					
	Total 2/.....	11	18,592	20,000	38,333
3272130015	Food 3/.....	6	3,440	3,803	8,845
3272130035	Beverages 4/.....	4	1,551	1,652	5,567
3272130045	Beer.....	6	10,631	11,191	14,271
3272130055	Liquor.....	5	514	683	1,933
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	680	783	1,471
3272130075	Wine.....	3	982	1,148	3,395
3272130081	Other 5/.....	6	r/ 794	r/ 740	r/ 2,851
<b>March 2004</b>					
	Total 2/.....	11	21,179	21,194	38,255
3272130015	Food 3/.....	6	3,811	3,857	8,830
3272130035	Beverages 4/.....	3	1,952	1,456	5,161
3272130045	Beer.....	6	11,952	12,540	14,803
3272130055	Liquor.....	5	682	640	1,882
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	3	828	673	1,256
3272130075	Wine.....	4	1,133	1,266	3,481
3272130081	Other 5/.....	6	r/ 821	r/ 762	r/ 2,842
<b>April 2004</b>					
	Total 2/.....	11	21,528	21,044	37,362
3272130015	Food 3/.....	6	3,593	3,766	9,038
3272130035	Beverages 4/.....	3	2,291	1,518	4,385
3272130045	Beer.....	6	12,128	12,408	14,728
3272130055	Liquor.....	5	646	619	1,834
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	1,002	628	881
3272130075	Wine.....	4	1,046	1,124	3,503
3272130081	Other 5/.....	6	r/ 822	r/ 981	r/ 2,993

Table 3. Shipments, Production, and Stocks of Glass Containers by End Use: 2004  
 [Quantity in thousands of gross]

Product code	Product description	Number of production companies	Shipments	Production	Stocks, end of month 1/
<b>May 2004</b>					
	Total 2/.....	11	21,104	20,676	36,658
3272130015	Food 3/.....	6	3,630	4,028	9,448
3272130035	Beverages 4/.....	4	2,104	1,728	3,992
3272130045	Beer.....	6	12,071	11,539	13,271
3272130055	Liquor.....	5	573	683	1,933
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	842	824	1,545
3272130075	Wine.....	5	1,098	1,165	3,520
3272130081	Other 5/.....	5	r/ 786	r/ 709	r/ 2,949
<b>June 2004</b>					
	Total 2/.....	11	22,271	20,081	34,030
3272130015	Food 3/.....	6	3,923	3,648	9,240
3272130035	Beverages 4/.....	4	2,306	1,977	3,592
3272130045	Beer.....	6	12,408	10,908	11,582
3272130055	Liquor.....	5	652	578	1,844
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	879	943	1,365
3272130075	Wine.....	5	1,136	1,224	3,573
3272130081	Other 5/.....	6	r/ 967	r/ 803	r/ 2,834
<b>July 2004</b>					
	Total 2/.....	11	20,852	20,925	33,952
3272130015	Food 3/.....	6	3,709	3,634	9,222
3272130035	Beverages 4/.....	4	2,183	2,084	3,436
3272130045	Beer.....	6	11,715	11,889	11,550
3272130055	Liquor.....	5	543	601	1,891
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	3	892	827	1,300
3272130075	Wine.....	4	1,099	1,166	3,610
3272130081	Other 5/.....	5	r/ 711	r/ 724	r/ 2,943
<b>August 2004</b>					
	Total 2/.....	11	21,174	21,225	33,900
3272130015	Food 3/.....	6	4,361	3,789	8,761
3272130035	Beverages 4/.....	4	1,831	2,078	3,634
3272130045	Beer.....	6	11,442	12,034	11,954
3272130055	Liquor.....	5	665	610	1,823
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	864	769	1,208
3272130075	Wine.....	5	1,248	1,196	3,516
3272130081	Other 5/.....	7	r/ 763	r/ 749	r/ 3,004
<b>September 2004</b>					
	Total 2/.....	11	19,171	19,798	34,229
3272130015	Food 3/.....	6	4,026	3,409	8,317
3272130035	Beverages 4/.....	4	1,450	1,744	3,802
3272130045	Beer.....	6	10,678	11,537	12,570
3272130055	Liquor.....	5	661	575	1,711
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	3	663	779	1,309
3272130075	Wine.....	4	979	1,033	3,453
3272130081	Other 5/.....	6	r/ 714	r/ 721	r/ 3,067

Table 3. Shipments, Production, and Stocks of Glass Containers by End Use: 2004  
 [Quantity in thousands of gross]

Product code	Product description	Number of production companies	Shipments	Production	Stocks, end of month 1/
<b>October 2004</b>					
	Total 2/.....	11	19,209	21,476	36,156
3272130015	Food 3/.....	6	4,036	3,831	8,339
3272130035	Beverages 4/.....	3	1,366	1,944	4,236
3272130045	Beer.....	6	10,923	12,286	13,609
3272130055	Liquor.....	5	713	753	1,737
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	415	680	1,565
3272130075	Wine.....	4	988	1,144	3,495
3272130081	Other 5/.....	5	r/ 768	r/ 838	r/ 3,175
<b>November 2004</b>					
	Total 2/.....	11	18,632	19,603	r/ 36,824
3272130015	Food 3/.....	6	3,719	3,974	8,526
3272130035	Beverages 4/.....	3	1,279	1,569	4,617
3272130045	Beer.....	6	10,592	11,036	13,702
3272130055	Liquor.....	5	684	667	1,699
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	526	482	1,624
3272130075	Wine.....	4	1,050	1,115	3,516
3272130081	Other 5/.....	6	r/ 782	r/ 760	r/ 3,140
<b>December 2004</b>					
	Total 2/.....	11	16,961	15,057	r/ 34,623
3272130015	Food 3/.....	6	3,039	2,632	8,192
3272130035	Beverages 4/.....	3	1,119	1,242	4,656
3272130045	Beer.....	6	10,235	8,893	12,104
3272130055	Liquor.....	5	535	459	1,599
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	405	306	1,520
3272130075	Wine.....	5	880	817	3,411
3272130081	Other 5/.....	6	r/ 748	r/ 708	r/ 3,141

NA Not available. r/Revised by 5 percent or more from previously published data. X Not applicable.

1/Data are limited to stocks at manufacturing establishments. Prior month end-of-month stocks plus current month production minus current month shipments may not equal current month end-of-month stocks due to breakage, stock adjustments, and resales.

2/Includes exports.

3/Data for "Narrow neck" and "Wide mouth" food containers were combined into a single "Food" container line.

4/Data for "Carbonated" and "Noncarbonated" beverage containers were combined into a single "Beverage" container line.

5/Includes containers for chemical, cosmetic, health, household, industrial, medicinal, and toiletry products.

Note: One thousand gross = 144,000. The unit of measure for shipments, production, and stocks is thousands of gross.

Table 4. Shipments, Production, and Stocks of Glass Containers by End Use: 2003  
 [Quantity in thousands of gross]

Product code	Product description	Number of production companies	Shipments	Production	Stocks, end of month 1/
<b>Total 2003</b>					
	Total 2/.....	(NA)	238,400	244,151	(X)
3272130015	Food 3/.....	(NA)	46,971	47,245	(X)
3272130035	Beverages 4/.....	(NA)	19,422	20,397	(X)
3272130045	Beer.....	(NA)	132,746	138,664	(X)
3272130055	Liquor.....	(NA)	7,884	7,545	(X)
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	(NA)	8,649	7,979	(X)
3272130075	Wine.....	(NA)	12,794	12,821	(X)
3272130081	Other 5/.....	(NA)	9,934	9,500	(X)
<b>January 2003</b>					
	Total 2/.....	10	18,680	20,620	35,406
3272130015	Food 3/.....	6	3,456	3,948	9,543
3272130035	Beverages 4/.....	4	1,544	1,508	4,048
3272130045	Beer.....	6	10,506	12,191	11,711
3272130055	Liquor.....	5	679	629	1,924
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	623	643	1,533
3272130075	Wine.....	4	1,054	890	3,463
3272130081	Other 5/.....	7	818	r/ 811	3,184
<b>February 2003</b>					
	Total 2/.....	11	17,794	19,301	37,215
3272130015	Food 3/.....	6	3,157	4,000	10,347
3272130035	Beverages 4/.....	4	1,576	1,472	4,076
3272130045	Beer.....	6	9,970	10,749	12,460
3272130055	Liquor.....	5	610	658	1,966
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	549	560	1,589
3272130075	Wine.....	3	1,120	977	3,314
3272130081	Other 5/.....	6	812	r/ 885	3,463
<b>March 2003</b>					
	Total 2/.....	11	19,191	21,232	39,170
3272130015	Food 3/.....	6	3,705	4,440	10,758
3272130035	Beverages 4/.....	3	1,674	1,791	4,468
3272130045	Beer.....	6	10,448	11,981	13,697
3272130055	Liquor.....	5	729	624	1,864
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	3	682	425	1,465
3272130075	Wine.....	4	1,100	1,054	3,359
3272130081	Other 5/.....	6	853	r/ 917	3,559
<b>April 2003</b>					
	Total 2/.....	11	20,487	21,183	39,604
3272130015	Food 3/.....	6	3,745	4,000	11,007
3272130035	Beverages 4/.....	3	1,831	1,787	4,460
3272130045	Beer.....	6	11,399	11,880	13,847
3272130055	Liquor.....	5	649	757	1,967
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	880	805	1,525
3272130075	Wine.....	4	1,115	1,016	3,147
3272130081	Other 5/.....	6	868	r/ 938	3,651

Table 4. Shipments, Production, and Stocks of Glass Containers by End Use: 2003  
 [Quantity in thousands of gross]

Product code	Product description	Number of production companies	Shipments	Production	Stocks, end of month 1/
<b>May 2003</b>					
	Total 2/.....	11	21,374	21,740	39,786
3272130015	Food 3/.....	6	4,138	4,115	10,874
3272130035	Beverages 4/.....	4	1,885	2,062	4,684
3272130045	Beer.....	6	11,917	12,248	13,973
3272130055	Liquor.....	5	649	584	1,938
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	815	775	1,644
3272130075	Wine.....	5	1,098	1,140	3,061
3272130081	Other 5/.....	5	872	r/ 816	3,612
<b>June 2003</b>					
	Total 2/.....	11	21,229	21,381	39,722
3272130015	Food 3/.....	6	4,069	3,895	10,557
3272130035	Beverages 4/.....	4	1,891	2,051	4,907
3272130045	Beer.....	6	11,735	12,415	14,399
3272130055	Liquor.....	5	601	486	1,822
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	1,077	r/ 695	r/ 1,324
3272130075	Wine.....	5	1,054	1,021	3,028
3272130081	Other 5/.....	6	r/ 802	r/ 818	r/ 3,685
<b>July 2003</b>					
	Total 2/.....	11	21,554	21,360	39,328
3272130015	Food 3/.....	6	4,138	4,008	10,387
3272130035	Beverages 4/.....	4	1,809	1,891	5,008
3272130045	Beer.....	6	12,152	12,188	14,232
3272130055	Liquor.....	5	593	619	1,878
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	3	825	716	1,116
3272130075	Wine.....	4	1,180	1,163	3,012
3272130081	Other 5/.....	5	r/ 857	r/ 775	r/ 3,695
<b>August 2003</b>					
	Total 2/.....	11	20,919	20,597	38,925
3272130015	Food 3/.....	6	4,254	4,230	10,290
3272130035	Beverages 4/.....	4	1,821	1,574	4,842
3272130045	Beer.....	6	11,444	11,535	14,276
3272130055	Liquor.....	5	611	635	1,894
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	799	740	1,053
3272130075	Wine.....	5	1,151	1,135	2,961
3272130081	Other 5/.....	7	r/ 839	r/ 748	r/ 3,609
<b>September 2003</b>					
	Total 2/.....	11	20,629	19,507	37,508
3272130015	Food 3/.....	6	4,374	3,856	9,763
3272130035	Beverages 4/.....	4	1,721	1,341	4,441
3272130045	Beer.....	6	11,454	11,188	13,759
3272130055	Liquor.....	5	669	724	1,967
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	3	632	609	1,066
3272130075	Wine.....	4	1,013	1,135	3,027
3272130081	Other 5/.....	6	r/ 766	r/ 654	r/ 3,485

Table 4. Shipments, Production, and Stocks of Glass Containers by End Use: 2003  
 [Quantity in thousands of gross]

Product code	Product description	Number of production companies	Shipments	Production	Stocks, end of month 1/
<b>October 2003</b>					
	Total 2/.....	11	20,991	21,387	37,473
3272130015	Food 3/.....	6	4,730	3,846	8,818
3272130035	Beverages 4/.....	3	1,528	2,135	5,014
3272130045	Beer.....	6	11,519	12,099	14,076
3272130055	Liquor.....	5	767	748	1,939
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	603	676	1,156
3272130075	Wine.....	4	1,021	1,191	3,087
3272130081	Other 5/.....	5	r/ 823	r/ 692	r/ 3,383
<b>November 2003</b>					
	Total 2/.....	11	17,786	19,714	38,941
3272130015	Food 3/.....	6	3,458	3,938	9,122
3272130035	Beverages 4/.....	3	1,203	1,449	5,245
3272130045	Beer.....	6	10,259	11,185	14,786
3272130055	Liquor.....	5	647	550	1,836
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	497	676	1,340
3272130075	Wine.....	4	965	1,221	3,262
3272130081	Other 5/.....	6	r/ 757	r/ 695	r/ 3,350
<b>December 2003</b>					
	Total 2/.....	11	17,766	16,129	36,441
3272130015	Food 3/.....	6	3,747	2,969	7,934
3272130035	Beverages 4/.....	3	939	1,336	5,501
3272130045	Beer.....	6	9,943	9,005	13,653
3272130055	Liquor.....	5	680	531	1,675
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	667	659	1,308
3272130075	Wine.....	5	923	878	3,157
3272130081	Other 5/.....	6	r/ 867	r/ 751	r/ 3,213

NA Not available. r/Revised by 5 percent or more from previously published data. X Not applicable.

1/Data are limited to stocks at manufacturing establishments. Prior month end-of-month stocks plus current month production minus current month shipments may not equal current month end-of-month stocks due to breakage, stock adjustments, and resales.

2/Includes exports.

3/Data for "Narrow neck" and "Wide mouth" food containers were combined into a single "Food" container line.

4/Data for "Carbonated" and "Noncarbonated" beverage containers were combined into a single "Beverage" container line.

5/Includes containers for chemical, cosmetic, health, household, industrial, medicinal, and toiletry products.

Note: One thousand gross = 144,000. The unit of measure for shipments, production, and stocks is thousands of gross.

Table 5. Shipments, Exports, Imports, and Apparent Consumption of Glass Containers: 2003 and 2002  
 [Thousands of gross]

Year and month	Manufacturers' shipments	Exports of domestic merchandise	Percent exports to manufacturers' shipments	Imports for consumption	Apparent consumption 1/	Percent imports to apparent consumption
<b>2004</b>						
Total.....	239,654	9,659	4.0	33,211	263,206	12.6
December.....	16,961	622	3.7	2,641	18,980	13.9
November.....	18,632	768	4.1	2,800	20,664	13.6
October.....	19,209	671	3.5	2,727	21,265	12.8
September.....	19,171	729	3.8	3,033	21,475	14.1
August.....	21,174	975	4.6	3,352	23,551	14.2
July.....	20,852	777	3.7	3,135	23,210	13.5
June.....	22,271	1,041	4.7	3,252	24,482	13.3
May.....	21,104	863	4.1	2,479	22,720	10.9
April.....	21,528	856	4.0	2,482	23,154	10.7
March.....	21,179	973	4.6	2,738	22,944	11.9
February.....	18,592	710	3.8	2,184	20,066	10.9
January.....	18,981	674	3.6	2,388	20,695	11.5
<b>2003</b>						
Total.....	238,400	9,077	3.8	30,948	260,271	11.9
December.....	17,766	637	3.6	2,023	19,152	10.6
November.....	17,786	680	3.8	2,055	19,161	10.7
October.....	20,991	727	3.5	2,411	22,675	10.6
September.....	20,629	732	3.5	2,440	22,337	10.9
August.....	20,919	776	3.7	2,475	22,618	10.9
July.....	21,554	798	3.7	3,074	23,830	12.9
June.....	21,229	916	4.3	2,715	23,028	11.8
May.....	21,374	964	4.5	2,768	23,178	11.9
April.....	20,487	868	4.2	3,029	22,648	13.4
March.....	19,191	782	4.1	2,846	21,255	13.4
February.....	17,794	673	3.8	2,278	19,399	11.7
January.....	18,680	524	2.8	2,834	20,990	13.5

1/Apparent consumption is equal to manufacturers' shipments plus imports minus exports.

Note: One thousand gross = 144,000. Schedule B export codes and HTSUSA import codes are listed in Table 6.

Table 6. Schedule B Export Codes and HTSUSA Import Codes: 2004

Export code 1/	Import code 2/
7010.10.0000	7010.10.0000
7010.90.0510	7010.90.0510
7010.90.0520	7010.90.0520
7010.90.0530	7010.90.0530
7010.90.0540	7010.90.0540
7010.90.2010	7010.90.2010
7010.90.2020	7010.90.2020
7010.90.2030	7010.90.2030
7010.90.2040	7010.90.2040
7010.90.3010	7010.90.3010
7010.90.3020	7010.90.3020
7010.90.3030	7010.90.3030
7010.90.3040	7010.90.3040
7010.90.5005	7010.90.5005
7010.90.5009	7010.90.5009
	7010.90.5015
	7010.90.5019
	7010.90.5025
7010.90.5027	
	7010.90.5029
	7010.90.5035
7010.90.5037	
	7010.90.5039
	7010.90.5045
7010.90.5047	
	7010.90.5049
	7010.90.5055
7010.90.5057	
7010.90.5060	

1/Sources: 2004 edition, Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/Harmonized Tariff Schedule of the United States, Annotated (2004).

# 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 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.)

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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 glass containers have been collected by the Census Bureau since 1945. Historical data may be obtained from Current Industrial Reports (called Facts for Industry before 1959) available at your local Federal Depository Library.