

# Glass Containers: 2002

Issued May 2003

## Summary

M327G(02)-13

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202-482-1986 or 1-800-STAT-USA, for further information.

**SUMMARY OF FINDINGS.** In 2002, production of glass containers in the United States amounted to 248.5 million gross, whereas shipments were 245.3 million gross. In 2001, production was 240.5 million gross, and shipments totaled 244.3 million gross. Stocks on hand of glass containers at the end of 2002 totaled 34.3 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 Theresa Crowley, 301-763-4840.

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



Table 1. Summary of Shipments, Production, and Stocks of Glass Containers: 2002 and 2001  
 [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>2002</b>						
Total.....	(X)	(X)	(X)	245,310	248,514	(X)
December.....	20,567	21,475	34,499	17,534	17,290	34,313
November.....	20,008	20,997	34,165	18,133	21,023	34,533
October.....	19,981	20,500	33,321	20,396	21,434	31,726
September.....	20,005	20,783	32,942	19,333	20,204	30,760
August.....	20,041	20,544	32,414	21,637	21,606	30,388
July.....	20,448	20,781	32,113	22,169	21,926	31,040
June.....	20,157	20,718	31,604	21,449	20,928	30,952
May.....	20,194	20,989	31,454	22,372	22,010	32,087
April.....	20,755	20,455	30,989	21,739	20,800	33,006
March.....	20,882	20,488	35,990	21,144	21,146	38,199
February.....	20,776	20,380	32,308	18,874	19,573	34,193
January.....	21,316	20,519	36,629	20,530	20,574	37,362
<b>2001</b>						
Total.....	(X)	(X)	(X)	244,349	240,515	(X)
December.....	20,789	20,348	35,775	16,996	16,158	35,584
November.....	19,778	19,635	34,421	18,385	19,856	34,881
October.....	20,409	20,210	35,454	20,637	21,018	33,779
September.....	20,317	20,167	36,009	19,351	19,486	33,670
August.....	20,418	19,850	35,920	22,522	20,923	33,625
July.....	20,134	19,634	36,778	21,406	20,596	35,494
June.....	20,457	19,988	37,484	22,429	20,312	36,675
May.....	20,306	19,860	38,057	22,746	20,947	38,776
April.....	20,531	20,723	38,391	20,593	20,818	40,843
March.....	20,207	20,068	38,664	20,954	21,106	40,927
February.....	20,803	20,457	38,862	18,928	19,694	41,166
January.....	20,333	19,690	39,684	19,402	19,601	40,547

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: 1998 to 2002  
 [Thousands of gross]

Product code	Product description	2002	2001	2000	1999	1998
<b>SHIPMENTS</b>						
	Total 1/.....	245,310	244,349	246,536	255,619	254,236
By type:						
	Narrow neck 2/3/.....	(NA)	(NA)	194,917	200,966	201,427
	Wide mouth 2/3/.....	(NA)	(NA)	51,619	54,653	52,809
By end use:						
Food:						
3272130015	Total 4/.....	47,291	55,193	59,467	63,561	62,438
3272130011	Narrow neck 3/.....	(NA)	(NA)	7,848	8,908	9,629
3272130021	Wide mouth 3/.....	(NA)	(NA)	51,619	54,653	52,809
Beverages:						
3272130035	Total 5/.....	24,087	21,147	(NA)	(NA)	(NA)
3272130031	Carbonated 3/.....	(NA)	(NA)	(D)	(D)	5,699
3272130041	Noncarbonated 3/.....	(NA)	(NA)	(D)	(D)	(D)
3272130051	Beer.....	129,724	125,350	127,530	126,695	122,722
3272130061	Liquor.....	7,730	r/ 7,552	9,806	8,867	9,009
3272130065	Ready-to-drink alcoholic coolers and cocktails .....	13,688	r/ 10,344	(NA)	(NA)	(NA)
3272130071	Wine.....	12,042	12,985	14,838	14,377	14,922
3272130081	Other 6/.....	10,748	11,778	(D)	(D)	(D)
<b>PRODUCTION</b>						
	Total 1/.....	248,514	240,515	249,683	258,164	256,959
By type:						
	Narrow neck 2/3/.....	(NA)	(NA)	197,693	201,193	200,012
	Wide mouth 2/3/.....	(NA)	(NA)	51,990	56,971	56,947
By end use:						
Food:						
3272130015	Total 4/.....	49,129	54,398	60,084	66,099	66,366
3272130011	Narrow neck 3/.....	(NA)	(NA)	8,094	9,128	9,419
3272130021	Wide mouth 3/.....	(NA)	(NA)	51,990	56,971	56,947
Beverages:						
3272130035	Total 5/.....	22,129	19,486	(NA)	(NA)	(NA)
3272130031	Carbonated 3/.....	(NA)	(NA)	(D)	(D)	5,380
3272130041	Noncarbonated 3/.....	(NA)	(NA)	(D)	(D)	(D)
3272130051	Beer.....	131,362	124,185	130,924	128,569	123,544
3272130061	Liquor.....	7,916	r/ 7,847	9,856	9,751	8,720
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	14,352	r/ 10,416	(NA)	(NA)	(NA)
3272130071	Wine.....	12,753	13,027	15,578	15,303	16,150
3272130081	Other 6/.....	10,873	11,156	(D)	(D)	(D)

D Withheld to avoid disclosing data for individual companies. NA Not available. r/Revised by 5 percent or more from previously published data.

1/Includes exports.

2/Some narrow neck and wide mouth combined categories are included with "By type, narrow neck" containers.

3/Beginning in 1997, data may not be comparable with prior years due to reclassification in the food and beverage categories.

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

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

6/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: 2002  
 [Quantity in thousands of gross]

Product code	Product description	Number of production companies	Shipments	Production	Stocks, end-of-month 1/
<b>Total 2002</b>					
	Total 2/.....	(NA)	245,310	248,514	(X)
3272130015	Food 3/.....	(NA)	47,291	49,129	(X)
3272130035	Beverages 4/.....	(NA)	24,087	22,129	(X)
3272130045	Beer.....	(NA)	129,724	131,362	(X)
3272130055	Liquor.....	(NA)	7,730	7,916	(X)
3272130065	Ready-to-drink alcoholic coolers and cocktails .....	(NA)	13,688	14,352	(X)
3272130075	Wine.....	(NA)	12,042	12,753	(X)
3272130081	Other 5/.....	(NA)	10,748	10,873	(X)
<b>January 2002</b>					
	Total 2/.....	10	20,530	20,574	37,362
3272130015	Food 3/.....	5	3,960	4,142	10,278
3272130035	Beverages 4/.....	3	2,007	1,794	4,350
3272130045	Beer.....	4	10,776	11,346	11,594
3272130055	Liquor.....	4	682	546	2,503
3272130065	Ready-to-drink alcoholic coolers and cocktails .....	4	1,135	880	1,023
3272130075	Wine.....	4	995	1,029	4,127
3272130081	Other 5/.....	6	975	r/ 837	r/ 3,487
<b>February 2002</b>					
	Total 2/.....	11	18,874	19,573	34,193
3272130015	Food 3/.....	5	3,677	3,976	9,014
3272130035	Beverages 4/.....	3	1,763	1,447	3,966
3272130045	Beer.....	5	10,214	10,615	10,782
3272130055	Liquor.....	4	586	795	r/ 2,260
3272130065	Ready-to-drink alcoholic coolers and cocktails .....	4	801	904	1,182
3272130075	Wine.....	4	904	1,039	3,507
3272130081	Other 5/.....	6	929	r/ 797	r/ 3,482
<b>March 2002</b>					
	Total 2/.....	11	21,144	21,146	38,199
3272130015	Food 3/.....	5	3,811	4,231	11,084
3272130035	Beverages 4/.....	3	2,213	1,466	3,708
3272130045	Beer.....	5	10,973	10,540	11,361
3272130055	Liquor.....	4	676	825	2,780
3272130065	Ready-to-drink alcoholic coolers and cocktails .....	4	1,564	1,979	1,409
3272130075	Wine.....	4	944	1,167	4,264
3272130081	Other 5/.....	6	963	r/ 938	r/ 3,593

Continued

Table 3. Shipments, Production, and Stocks of Glass Containers by End Use: 2002  
 [Quantity in thousands of gross]

Product code	Product description	Number of production companies	Shipments	Production	Stocks, end-of-month 1/
<b>April 2002</b>					
	Total 2/.....	11	21,739	20,800	33,006
3272130015	Food 3/.....	5	4,007	4,173	9,240
3272130035	Beverages 4/.....	3	2,565	1,774	3,143
3272130045	Beer.....	5	10,996	10,312	9,704
3272130055	Liquor.....	4	655	618	2,113
3272130065	Ready-to-drink alcoholic coolers and cocktails .....	4	1,487	1,895	1,497
3272130075	Wine.....	4	1,065	1,208	3,777
3272130081	Other 5/.....	6	964	r/ 820	r/ 3,532
<b>May 2002</b>					
	Total 2/.....	11	22,372	22,010	32,087
3272130015	Food 3/.....	5	3,892	4,282	9,375
3272130035	Beverages 4/.....	3	2,305	2,024	2,775
3272130045	Beer.....	5	11,631	11,168	9,069
3272130055	Liquor.....	4	658	650	2,046
3272130065	Ready-to-drink alcoholic coolers and cocktails .....	4	1,815	1,703	1,410
3272130075	Wine.....	4	1,139	1,058	3,762
3272130081	Other 5/.....	6	932	1,125	r/ 3,650
<b>June 2002</b>					
	Total 2/.....	11	21,449	20,928	30,952
3272130015	Food 3/.....	5	3,841	4,059	9,243
3272130035	Beverages 4/.....	3	2,446	1,994	2,539
3272130045	Beer.....	5	11,168	10,802	8,408
3272130055	Liquor.....	4	640	657	2,021
3272130065	Ready-to-drink alcoholic coolers and cocktails .....	4	1,421	1,509	1,460
3272130075	Wine.....	4	1,012	982	3,721
3272130081	Other 5/.....	6	921	r/ 925	3,560
<b>July 2002</b>					
	Total 2/.....	11	22,169	21,926	31,040
3272130015	Food 3/.....	5	3,944	4,223	9,277
3272130035	Beverages 4/.....	3	2,704	2,321	2,555
3272130045	Beer.....	5	11,691	11,653	8,580
3272130055	Liquor.....	4	578	638	1,999
3272130065	Ready-to-drink alcoholic coolers and cocktails .....	4	1,286	1,112	1,394
3272130075	Wine.....	4	1,089	1,073	3,695
3272130081	Other 5/.....	6	877	r/ 906	3,540

Continued

Table 3. Shipments, Production, and Stocks of Glass Containers by End Use: 2002  
 [Quantity in thousands of gross]

Product code	Product description	Number of production companies	Shipments	Production	Stocks, end-of-month 1/
<b>August 2002</b>					
	Total 2/.....	11	21,637	21,606	30,388
3272130015	Food 3/.....	5	4,255	4,138	8,967
3272130035	Beverages 4/.....	3	2,294	2,218	2,623
3272130045	Beer.....	5	11,171	11,389	8,339
3272130055	Liquor.....	4	688	684	1,957
3272130065	Ready-to-drink alcoholic coolers and cocktails .....	4	1,163	1,059	1,316
3272130075	Wine.....	4	1,195	1,116	3,609
3272130081	Other 5/.....	6	871	r/ 1,002	3,577
<b>September 2002</b>					
	Total 2/.....	11	19,333	20,204	30,760
3272130015	Food 3/.....	5	4,018	4,036	8,821
3272130035	Beverages 4/.....	3	1,602	1,842	3,011
3272130045	Beer.....	5	10,458	10,794	8,490
3272130055	Liquor.....	4	644	713	2,023
3272130065	Ready-to-drink alcoholic coolers and cocktails .....	4	802	935	1,326
3272130075	Wine.....	4	939	1,061	3,591
3272130081	Other 5/.....	6	870	r/ 823	3,498
<b>October 2002</b>					
	Total 2/.....	11	20,396	21,434	31,726
3272130015	Food 3/.....	5	4,626	4,173	8,560
3272130035	Beverages 4/.....	3	1,461	1,927	3,470
3272130045	Beer.....	5	10,899	11,566	9,064
3272130055	Liquor.....	4	738	686	2,011
3272130065	Ready-to-drink alcoholic coolers and cocktails .....	4	775	1,017	1,573
3272130075	Wine.....	4	1,060	1,094	3,531
3272130081	Other 5/.....	6	837	r/ 971	3,517
<b>November 2002</b>					
	Total 2/.....	11	18,133	21,023	34,533
3272130015	Food 3/.....	5	3,443	4,212	9,504
3272130035	Beverages 4/.....	3	1,409	1,769	3,776
3272130045	Beer.....	5	10,276	11,654	10,348
3272130055	Liquor.....	4	625	594	1,957
3272130065	Ready-to-drink alcoholic coolers and cocktails .....	4	657	746	1,719
3272130075	Wine.....	4	930	1,125	3,680
3272130081	Other 5/.....	6	793	r/ 923	3,549

Continued

Table 3. Shipments, Production, and Stocks of Glass Containers by End Use: 2002  
 [Quantity in thousands of gross]

Product code	Product description	Number of production companies	Shipments	Production	Stocks, end-of-month 1/
<b>December 2002</b>					
	Total 2/.....	11	17,534	17,290	34,313
3272130015	Food 3/.....	5	3,817	3,484	9,042
3272130035	Beverages 4/.....	3	1,318	1,553	4,107
3272130045	Beer.....	5	9,471	9,523	10,703
3272130055	Liquor.....	4	560	510	2,185
3272130065	Ready-to-drink alcoholic coolers and cocktails .....	4	782	613	1,478
3272130075	Wine.....	4	770	801	3,362
3272130081	Other 5/.....	6	816	r/ 806	3,436

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

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

4/Beginning in 2001, data for "Carbonated" and "Noncarbonated" beverage containers are 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: 2001  
 [Quantity in thousands of gross]

Product code	Product description	Number of production companies	Shipments	Production	Stocks, end-of-month 1/
<b>Total 2001</b>					
	Total 2/.....	(NA)	244,349	240,515	(X)
3272130015	Food 3/.....	(NA)	55,193	54,398	(X)
3272130035	Beverages 4/.....	(NA)	21,147	19,486	(X)
3272130045	Beer.....	(NA)	125,350	124,185	(X)
3272130055	Liquor.....	(NA) r/	7,552	r/ 7,847	(X)
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	(NA) r/	10,344	r/ 10,416	(X)
3272130075	Wine.....	(NA)	12,985	13,027	(X)
3272130081	Other 5/.....	(NA)	11,778	11,156	(X)
<b>January 2001</b>					
	Total 2/.....	11	19,402	19,601	40,547
3272130015	Food 3/.....	6	4,419	4,917	12,335
3272130035	Beverages 4/.....	3	1,481	1,075	4,056
3272130045	Beer.....	4	10,041	10,299	13,404
3272130055	Liquor.....	5 r/	620	r/ 484	r/ 1,960
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4 r/	851	r/ 754	r/ 1,175
3272130075	Wine.....	4	995	1,235	3,862
3272130081	Other 5/.....	7	995	837	3,755
<b>February 2001</b>					
	Total 2/.....	11	18,928	19,694	41,166
3272130015	Food 3/.....	6	4,296	4,542	12,564
3272130035	Beverages 4/.....	3	1,643	1,515	3,715
3272130045	Beer.....	4	9,571	10,198	13,998
3272130055	Liquor.....	5 r/	594	r/ 604	r/ 1,952
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4 r/	834	r/ 859	r/ 1,201
3272130075	Wine.....	4	1,091	1,145	3,904
3272130081	Other 5/.....	7	899	831	3,832
<b>March 2001</b>					
	Total 2/.....	11	20,954	21,106	40,927
3272130015	Food 3/.....	5	4,507	4,586	11,983
3272130035	Beverages 4/.....	3	2,028	1,548	3,789
3272130045	Beer.....	4	10,836	11,097	14,276
3272130055	Liquor.....	5 r/	642	r/ 816	r/ 2,032
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4 r/	859	r/ 841	r/ 1,184
3272130075	Wine.....	4	1,098	1,208	3,986
3272130081	Other 5/.....	7	984	1,010	3,677



Table 4. Shipments, Production, and Stocks of Glass Containers by End Use: 2001  
 [Quantity in thousands of gross]

Product code	Product description	Number of production companies	Shipments	Production	Stocks, end-of-month 1/
<b>April 2001</b>					
	Total 2/.....	11	20,593	20,818	40,843
3272130015	Food 3/.....	6	4,573	4,458	11,755
3272130035	Beverages 4/.....	3	2,031	1,438	3,183
3272130045	Beer.....	4	10,597	10,936	14,558
3272130055	Liquor.....	5	r/ 568	r/ 693	r/ 2,075
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	r/ 783	r/ 1,027	r/ 1,350
3272130075	Wine.....	4	1,040	1,278	4,230
3272130081	Other 5/.....	7	1,001	988	3,692
<b>May 2001</b>					
	Total 2/.....	11	22,746	20,947	38,776
3272130015	Food 3/.....	6	5,046	4,412	10,952
3272130035	Beverages 4/.....	3	2,363	2,092	3,003
3272130045	Beer.....	4	11,804	11,066	13,709
3272130055	Liquor.....	5	r/ 577	r/ 599	r/ 2,106
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	r/ 828	r/ 641	r/ 1,144
3272130075	Wine.....	4	1,104	1,157	4,270
3272130081	Other 5/.....	7	1,024	980	3,592
<b>June 2001</b>					
	Total 2/.....	11	22,429	20,312	36,675
3272130015	Food 3/.....	5	4,854	4,592	10,623
3272130035	Beverages 4/.....	3	2,157	1,806	2,718
3272130045	Beer.....	4	11,627	10,307	12,410
3272130055	Liquor.....	5	r/ 674	r/ 588	r/ 2,028
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	r/ 953	r/ 853	r/ 1,034
3272130075	Wine.....	4	1,135	1,103	4,244
3272130081	Other 5/.....	7	1,029	1,063	3,618
<b>July 2001</b>					
	Total 2/.....	11	21,406	20,596	35,494
3272130015	Food 3/.....	6	4,440	4,400	10,529
3272130035	Beverages 4/.....	3	2,179	1,819	2,282
3272130045	Beer.....	4	11,121	10,805	11,962
3272130055	Liquor.....	5	r/ 598	r/ 609	r/ 2,080
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	r/ 902	r/ 917	r/ 1,060
3272130075	Wine.....	4	1,191	1,097	3,982
3272130081	Other 5/.....	7	975	949	3,599

Table 4. Shipments, Production, and Stocks of Glass Containers by End Use: 2001  
 [Quantity in thousands of gross]

Product code	Product description	Number of production companies	Shipments		Production		Stocks, end-of-month 1/
<b>August 2001</b>							
	Total 2/.....	11		22,522		20,923	33,625
3272130015	Food 3/.....	6		5,412		4,798	9,899
3272130035	Beverages 4/.....	3		1,969		1,949	2,218
3272130045	Beer.....	4		10,978		10,584	11,354
3272130055	Liquor.....	5	r/	748	r/	671	1,988
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	r/	896	r/	800	992
3272130075	Wine.....	4		1,489		1,155	3,629
3272130081	Other 5/.....	7		1,030		966	3,545
<b>September 2001</b>							
	Total 2/.....	11		19,351		19,486	33,670
3272130015	Food 3/.....	5		4,407		4,695	10,196
3272130035	Beverages 4/.....	3		1,365		1,543	2,399
3272130045	Beer.....	4		9,947		9,837	11,064
3272130055	Liquor.....	5	r/	652	r/	808	2,027
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	r/	933	r/	903	1,021
3272130075	Wine.....	4		1,067		792	3,485
3272130081	Other 5/.....	7		980		908	3,478
<b>October 2001</b>							
	Total 2/.....	11		20,637		21,018	33,779
3272130015	Food 3/.....	5		5,336		5,013	9,841
3272130035	Beverages 4/.....	3		1,443		1,523	2,475
3272130045	Beer.....	4		10,126		10,877	11,633
3272130055	Liquor.....	5	r/	760	r/	679	1,935
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	r/	995	r/	984	1,052
3272130075	Wine.....	4		1,038		1,061	3,430
3272130081	Other 5/.....	7		939		881	3,413
<b>November 2001</b>							
	Total 2/.....	11		18,385		19,856	34,881
3272130015	Food 3/.....	5		4,226		4,383	9,894
3272130035	Beverages 4/.....	3		1,326		1,929	3,085
3272130045	Beer.....	4		9,388		9,965	12,088
3272130055	Liquor.....	5	r/	661	r/	691	1,936
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	r/	829	r/	1,041	1,248
3272130075	Wine.....	4		957		972	3,363
3272130081	Other 5/.....	7		998		875	3,267

Continued

Table 4. Shipments, Production, and Stocks of Glass Containers by End Use: 2001  
 [Quantity in thousands of gross]

Product code	Product description	Number of production companies	Shipments	Production	Stocks, end-of-month 1/
<b>December 2001</b>					
	Total 2/.....	11	16,996	16,158	35,584
3272130015	Food 3/.....	5	3,677	3,602	10,377
3272130035	Beverages 4/.....	3	1,162	1,249	3,248
3272130045	Beer.....	4	9,314	8,214	11,502
3272130055	Liquor.....	5	r/ 458	r/ 605	r/ 2,373
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	r/ 681	r/ 796	r/ 1,246
3272130075	Wine.....	4	780	824	3,630
3272130081	Other 5/.....	7	924	868	3,208

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

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

4/Beginning in 2001, 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: 2002 and 2001  
 [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>2002</b>						
Total.....	245,310	9,914	4.0	32,106	267,502	12.0
December.....	17,534	510	2.9	2,232	19,256	11.6
November.....	18,133	681	3.8	2,524	19,976	12.6
October.....	20,396	780	3.8	2,796	22,412	12.5
September.....	19,333	696	3.6	2,819	21,456	13.1
August.....	21,637	901	4.2	3,109	23,845	13.0
July.....	22,169	855	3.9	3,098	24,412	12.7
June.....	21,449	799	3.7	2,867	23,517	12.2
May.....	22,372	1,155	5.2	2,921	24,138	12.1
April.....	21,739	875	4.0	2,655	23,519	11.3
March.....	21,144	1,010	4.8	2,379	22,513	10.6
February.....	18,874	810	4.3	2,285	20,349	11.2
January.....	20,530	842	4.1	2,421	22,109	11.0
<b>2001</b>						
Total.....	244,349	11,027	4.5	27,913	261,235	10.7
December.....	16,996	718	4.2	1,804	18,082	10.0
November.....	18,385	795	4.3	2,002	19,592	10.2
October.....	20,637	1,153	5.6	2,326	21,810	10.7
September.....	19,351	781	4.0	2,208	20,778	10.6
August.....	22,522	1,011	4.5	2,632	24,143	10.9
July.....	21,406	759	3.5	2,563	23,210	11.0
June.....	22,429	914	4.1	2,724	24,239	11.2
May.....	22,746	1,001	4.4	2,503	24,248	10.3
April.....	20,593	908	4.4	2,274	21,959	10.4
March.....	20,954	1,128	5.4	2,410	22,236	10.8
February.....	18,928	1,063	5.6	2,102	19,967	10.5
January.....	19,402	796	4.1	2,365	20,971	11.3

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: 2002

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: 2002 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 (2002).

# 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.