

Summary

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SUMMARY OF FINDINGS

In 2006, production of glass containers in the United States amounted to 247 million gross, whereas shipments amounted to 242 million gross. In 2005, the total production of glass containers amounted to 243 million gross, and the total shipments amounted to 245 million gross. Stocks on hand of glass at the end of 2006 totaled 27 million gross. Stocks on hand of glass at the end of the 2005 totaled 25 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 Brenda Campbell, 301-763-1031.

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: 2006 and 2005
 [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/
2006						
Total.....	(X)	(X)	(X)	241,507	247,257	(X)
December.....	20,017	21,546	27,334	16,616	17,176	26,794
November.....	20,598	20,899	25,660	17,876	20,548	26,477
October.....	19,948	20,713	25,230	20,098	21,781	24,267
September.....	20,099	20,679	25,003	19,689	20,363	23,200
August.....	20,246	20,788	24,211	22,467	21,538	22,711
July.....	20,132	20,455	24,912	20,596	21,032	24,130
June.....	19,596	20,439	25,097	21,854	20,699	24,440
May.....	20,064	20,387	25,437	22,656	21,360	26,027
April.....	19,469	19,965	26,420	19,654	20,568	27,537
March.....	20,763	20,604	25,631	22,128	21,462	26,920
February.....	20,191	20,439	26,338	18,558	19,700	27,697
January.....	20,071	20,603	26,182	19,315	21,030	26,821
2005						
Total.....	(X)	(X)	(X)	244,892	243,415	(X)
December.....	20,138	21,070	26,218	17,706	17,238	25,445
November.....	19,908	20,442	26,131	19,083	20,798	26,593
October.....	20,582	19,933	26,426	20,492	21,569	25,734
September.....	19,187	20,356	26,501	20,498	19,664	25,348
August.....	20,047	19,443	27,336	22,962	20,807	26,320
July.....	19,888	19,727	29,972	20,886	20,468	28,417
June.....	20,554	20,160	30,754	22,660	20,398	29,397
May.....	20,047	20,160	31,908	21,783	21,003	32,077
April.....	19,993	20,065	32,372	20,423	20,627	33,224
March.....	19,978	20,179	32,557	21,144	21,016	33,421
February.....	20,234	20,042	33,299	18,523	19,497	33,952
January.....	20,633	20,258	33,734	18,732	20,330	33,324

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: 2003 to 2006
[Thousands of gross]

Product code	Product description	2006	2005	2004	2003
SHIPMENTS					
	Total 1/.....	241,507	244,892	239,654	238,400
	By end use:				
3272130015	Food.....	40,898	43,956	44,919	46,971
3272130035	Beverages.....	21,275	22,340	20,918	19,422
3272130051	Beer.....	141,353	137,050	135,853	132,746
3272130061	Liquor.....	7,882	8,015	7,449	7,884
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	6,808	8,458	8,470	8,649
3272130071	Wine.....	13,091	12,890	12,582	12,794
3272130081	Other 2/.....	10,200	12,183	9,463	9,934
PRODUCTION					
	Total 1/.....	247,257	243,415	241,340	244,151
	By end use:				
3272130015	Food.....	40,121	42,681	44,315	47,245
3272130035	Beverages.....	21,690	21,316	20,633	20,397
3272130051	Beer.....	145,790	137,469	137,548	138,664
3272130061	Liquor.....	7,782	8,063	7,547	7,545
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	7,817	7,727	8,454	7,979
3272130071	Wine.....	13,320	13,041	13,499	12,821
3272130081	Other 2/.....	10,737	13,118	9,344	9,500

1/Includes exports.

2/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: 2006
 [Quantity in thousands of gross]

Product code	Product description	Number of production companies	Shipments	Production	Stocks, end of month 1/
Total 2006					
	Total 2/.....	(NA)	241,507	247,257	(X)
3272130015	Food.....	(NA)	40,898	40,121	(X)
3272130035	Beverages.....	(NA)	21,275	21,690	(X)
3272130045	Beer.....	(NA)	141,353	145,790	(X)
3272130055	Liquor.....	(NA)	7,882	7,782	(X)
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	(NA)	6,808	7,817	(X)
3272130075	Wine.....	(NA)	13,091	13,320	(X)
3272130081	Other 3/.....	(NA)	10,200	10,737	(X)
January 2006					
	Total 2/.....	12	19,315	21,030	26,821
3272130015	Food.....	6	3,738	3,659	5,669
3272130035	Beverages.....	3	1,532	2,013	3,668
3272130045	Beer.....	6	11,001	11,990	10,478
3272130055	Liquor.....	5	628	708	1,707
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	3	505	571	1,110
3272130075	Wine.....	5	997	1,056	3,040
3272130081	Other 3/.....	5	r/ 914	r/ 1,033	1,149
February 2006					
	Total 2/.....	12	18,558	19,700	27,697
3272130015	Food.....	6	3,193	3,450	5,906
3272130035	Beverages.....	3	1,562	1,681	3,763
3272130045	Beer.....	6	10,801	11,292	10,832
3272130055	Liquor.....	5	566	623	1,738
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	561	668	1,207
3272130075	Wine.....	5	946	1,080	3,142
3272130081	Other 3/.....	6	r/ 929	r/ 906	1,109
March 2006					
	Total 2/.....	12	22,128	21,462	26,920
3272130015	Food.....	6	3,519	3,279	5,653
3272130035	Beverages.....	3	2,036	1,995	3,689
3272130045	Beer.....	6	13,020	12,665	10,405
3272130055	Liquor.....	5	719	719	1,725
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	765	475	1,027
3272130075	Wine.....	5	1,142	1,298	3,268
3272130081	Other 3/.....	6	r/ 927	r/ 1,031	1,153

Table 3. Shipments, Production, and Stocks of Glass Containers by End Use: 2006
[Quantity in thousands of gross]

Product code	Product description	Number of production companies	Shipments	Production	Stocks, end of month 1/
April 2006					
	Total 2/.....	12	19,654	20,568	27,537
3272130015	Food.....	6	2,952	3,409	6,093
3272130035	Beverages.....	3	1,739	1,678	3,604
3272130045	Beer.....	6	11,689	12,067	10,610
3272130055	Liquor.....	5	591	637	1,764
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	727	548	825
3272130075	Wine.....	4	1,021	1,237	3,454
3272130081	Other 3/.....	6	r/ 935	r/ 992	1,187
May 2006					
	Total 2/.....	12	22,656	21,360	26,027
3272130015	Food.....	6	3,653	3,485	5,919
3272130035	Beverages.....	3	2,275	1,913	3,216
3272130045	Beer.....	6	13,202	12,370	9,709
3272130055	Liquor.....	5	664	664	1,757
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	705	739	816
3272130075	Wine.....	4	1,218	1,245	3,441
3272130081	Other 3/.....	6	r/ 939	r/ 944	1,169
June 2006					
	Total 2/.....	12	21,854	20,699	24,440
3272130015	Food.....	6	3,401	3,270	5,765
3272130035	Beverages.....	3	2,178	1,965	2,953
3272130045	Beer.....	6	12,889	12,053	8,796
3272130055	Liquor.....	5	668	599	1,674
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	581	751	812
3272130075	Wine.....	4	1,241	1,117	3,288
3272130081	Other 3/.....	6	r/ 896	r/ 944	1,152
July 2006					
	Total 2/.....	12	20,596	21,032	24,130
3272130015	Food.....	5	3,271	3,637	5,978
3272130035	Beverages.....	3	1,790	1,795	2,911
3272130045	Beer.....	6	12,516	12,100	8,319
3272130055	Liquor.....	4	598	565	1,632
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	548	1,042	887
3272130075	Wine.....	4	1,047	1,090	3,296
3272130081	Other 3/.....	6	r/ 826	r/ 803	1,107

Table 3. Shipments, Production, and Stocks of Glass Containers by End Use: 2006
[Quantity in thousands of gross]

Product code	Product description	Number of production companies	Shipments	Production	Stocks, end of month 1/
August 2006					
	Total 2/.....	12	22,467	21,538	22,711
3272130015	Food.....	5	3,974	3,492	5,486
3272130035	Beverages.....	3	2,045	1,820	2,703
3272130045	Beer.....	6	12,787	12,756	8,127
3272130055	Liquor.....	4	723	654	1,547
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	637	799	772
3272130075	Wine.....	4	1,407	1,141	3,013
3272130081	Other 3/.....	6	r/ 894	r/ 876	1,063
September 2006					
	Total 2/.....	12	19,689	20,363	23,200
3272130015	Food.....	5	3,430	3,171	5,253
3272130035	Beverages.....	3	1,723	1,598	2,536
3272130045	Beer.....	6	11,349	12,464	9,120
3272130055	Liquor.....	4	633	653	1,560
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	r/ 562	666	845
3272130075	Wine.....	4	1,154	966	2,837
3272130081	Other 3/.....	6	r/ 838	r/ 845	1,049
October 2006					
	Total 2/.....	12	20,098	21,781	24,267
3272130015	Food.....	5	3,940	3,398	4,755
3272130035	Beverages.....	3	1,692	1,782	2,612
3272130045	Beer.....	6	11,526	13,271	10,683
3272130055	Liquor.....	4	728	626	1,455
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	r/ 380	725	984
3272130075	Wine.....	4	1,103	1,068	2,752
3272130081	Other 3/.....	6	r/ 729	r/ 911	1,026
November 2006					
	Total 2/.....	12	17,876	20,548	26,477
3272130015	Food.....	5	3,050	3,170	4,848
3272130035	Beverages.....	3	1,447	1,952	3,096
3272130045	Beer.....	6	10,572	12,255	12,148
3272130055	Liquor.....	4	744	749	1,453
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	r/ 270	r/ 462	1,168
3272130075	Wine.....	4	1,036	1,111	2,806
3272130081	Other 3/.....	6	r/ 757	r/ 849	958

Table 3. Shipments, Production, and Stocks of Glass Containers by End Use: 2006
 [Quantity in thousands of gross]

Product code	Product description	Number of production companies	Shipments	Production	Stocks, end of month 1/
December 2006					
	Total 2/.....	12	16,616	17,176	26,794
3272130015	Food.....	5	2,777	2,701	4,777
3272130035	Beverages.....	3	1,256	1,498	3,323
3272130045	Beer.....	6	10,001	10,507	12,471
3272130055	Liquor.....	4	620	585	1,411
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	r/ 567	371	r/ 972
3272130075	Wine.....	4	779	911	2,916
3272130081	Other 3/.....	6	r/ 616	r/ 603	924

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/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: 2005
 [Quantity in thousands of gross]

Product code	Product description	Number of production companies	Shipments	Production	Stocks, end-of-month 1/
Total 2005					
	Total 2/.....	(NA)	244,892	243,415	(X)
3272130015	Food.....	(NA)	43,956	42,681	(X)
3272130035	Beverages.....	(NA)	22,340	21,316	(X)
3272130045	Beer.....	(NA)	137,050	137,469	(X)
3272130055	Liquor.....	(NA)	8,015	8,063	(X)
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	(NA)	8,458	7,727	(X)
3272130075	Wine.....	(NA)	12,890	13,041	(X)
3272130081	Other 3/.....	(NA)	12,183	13,118	(X)
January 2005					
	Total 2/.....	12	18,732	20,330	33,324
3272130015	Food.....	5	3,454	3,802	7,593
3272130035	Beverages.....	3	1,568	1,568	4,625
3272130045	Beer.....	6	10,475	11,614	13,064
3272130055	Liquor.....	4	649	705	1,648
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	616	445	1,333
3272130075	Wine.....	4	976	1,069	3,467
3272130081	Other 3/.....	6	994	1,127	1,594
February 2005					
	Total 2/.....	12	18,523	19,497	33,952
3272130015	Food.....	5	3,547	3,749	7,875
3272130035	Beverages.....	3	1,649	1,726	4,617
3272130045	Beer.....	6	10,276	10,762	13,302
3272130055	Liquor.....	4	597	660	1,719
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	488	491	1,361
3272130075	Wine.....	4	994	986	3,446
3272130081	Other 3/.....	6	972	1,123	1,632
March 2005					
	Total 2/.....	12	21,144	21,016	33,421
3272130015	Food.....	5	3,682	3,904	8,186
3272130035	Beverages.....	3	1,909	1,555	4,193
3272130045	Beer.....	6	11,957	11,924	12,962
3272130055	Liquor.....	4	651	792	1,857
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	769	613	1,237
3272130075	Wine.....	4	1,122	1,105	3,371
3272130081	Other 3/.....	6	1,054	1,123	1,615

Table 4. Shipments, Production, and Stocks of Glass Containers by End Use: 2005
 [Quantity in thousands of gross]

Product code	Product description	Number of production companies	Shipments	Production	Stocks, end-of-month 1/
April 2005					
	Total 2/.....	12	20,423	20,627	33,224
3272130015	Food.....	5	3,451	3,679	8,383
3272130035	Beverages.....	3	2,009	1,807	3,933
3272130045	Beer.....	6	11,364	11,498	12,814
3272130055	Liquor.....	4	686	679	1,869
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	783	644	1,118
3272130075	Wine.....	4	1,079	1,168	3,426
3272130081	Other 3/.....	6	1,051	1,152	1,681
May 2005					
	Total 2/.....	12	21,783	21,003	32,077
3272130015	Food.....	5	3,800	3,650	8,303
3272130035	Beverages.....	3	2,145	1,957	3,684
3272130045	Beer.....	6	12,201	11,546	11,891
3272130055	Liquor.....	4	630	623	1,866
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	832	886	1,275
3272130075	Wine.....	4	1,110	1,209	3,392
3272130081	Other 3/.....	6	1,065	1,132	1,666
June 2005					
	Total 2/.....	12	22,660	20,398	29,397
3272130015	Food.....	5	4,453	3,624	7,429
3272130035	Beverages.....	3	2,153	1,882	3,440
3272130045	Beer.....	6	12,159	11,104	10,489
3272130055	Liquor.....	4	709	598	1,780
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	923	963	1,368
3272130075	Wine.....	4	1,169	1,168	3,355
3272130081	Other 3/.....	6	1,094	1,059	1,536
July 2005					
	Total 2/.....	12	20,886	20,468	28,417
3272130015	Food.....	5	3,510	3,685	7,623
3272130035	Beverages.....	3	1,996	2,108	3,405
3272130045	Beer.....	6	11,961	11,491	9,778
3272130055	Liquor.....	4	612	595	1,713
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	743	538	1,219
3272130075	Wine.....	4	1,080	1,081	3,282
3272130081	Other 3/.....	6	984	970	1,397

Table 4. Shipments, Production, and Stocks of Glass Containers by End Use: 2005
 [Quantity in thousands of gross]

Product code	Product description	Number of production companies	Shipments	Production	Stocks, end-of-month 1/
August 2005					
	Total 2/.....	12	22,962	20,807	26,320
3272130015	Food.....	5	3,816	3,419	7,305
3272130035	Beverages.....	3	2,259	1,935	3,004
3272130045	Beer.....	6	13,002	12,135	9,055
3272130055	Liquor.....	4	763	678	1,675
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	829	476	815
3272130075	Wine.....	4	1,303	1,072	3,063
3272130081	Other 3/.....	6	990	1,092	1,403
September 2005					
	Total 2/.....	12	20,498	19,664	25,348
3272130015	Food.....	5	3,786	3,296	6,906
3272130035	Beverages.....	3	2,120	1,806	2,685
3272130045	Beer.....	6	11,186	11,212	8,984
3272130055	Liquor.....	4	693	671	1,669
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	624	660	858
3272130075	Wine.....	4	1,071	964	2,909
3272130081	Other 3/.....	6	1,018	1,055	1,337
October 2005					
	Total 2/.....	12	20,492	21,569	25,734
3272130015	Food.....	5	3,902	3,578	6,496
3272130035	Beverages.....	3	1,821	1,790	2,587
3272130045	Beer.....	6	11,308	12,555	9,824
3272130055	Liquor.....	4	769	624	1,531
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	542	760	1,096
3272130075	Wine.....	4	1,142	1,156	2,875
3272130081	Other 3/.....	6	1,008	1,106	1,325
November 2005					
	Total 2/.....	12	19,083	20,798	26,593
3272130015	Food.....	5	3,437	3,327	6,108
3272130035	Beverages.....	3	1,497	1,906	3,301
3272130045	Beer.....	6	10,786	11,865	10,460
3272130055	Liquor.....	4	689	743	1,575
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	647	664	1,122
3272130075	Wine.....	4	1,032	1,148	2,908
3272130081	Other 3/.....	6	995	1,145	1,119

Table 4. Shipments, Production, and Stocks of Glass Containers by End Use: 2005
 [Quantity in thousands of gross]

Product code	Product description	Number of production companies	Shipments	Production	Stocks, end-of-month 1/
December 2005					
	Total 2/.....	12	17,706	17,238	25,445
3272130015	Food.....	5	3,118	2,968	5,780
3272130035	Beverages.....	3	1,214	1,276	3,222
3272130045	Beer.....	6	10,375	9,763	9,664
3272130055	Liquor.....	4	567	695	1,655
3272130065	Ready-to-drink alcoholic coolers and cocktails.....	4	662	587	1,081
3272130075	Wine.....	4	812	915	2,938
3272130081	Other 3/.....	6	958	1,034	1,105

NA Not available. X Not applicable.

1+A1/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/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: 2006 and 2005
 [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
2006						
Total.....	241,507	9,252	3.8	34,761	267,016	13.0
December.....	16,616	622	3.7	2,529	18,523	13.7
November.....	17,876	799	4.5	2,820	19,897	14.2
October.....	20,098	897	4.5	2,888	22,089	13.1
September.....	19,689	680	3.5	2,847	21,856	13.0
August.....	22,467	854	3.8	3,170	24,783	12.8
July.....	20,596	969	4.7	3,324	22,951	14.5
June.....	21,854	800	3.7	3,146	24,200	13.0
May.....	22,656	888	3.9	3,012	24,780	12.2
April.....	19,654	698	3.6	2,767	21,723	12.7
March.....	22,128	743	3.4	2,831	24,216	11.7
February.....	18,558	678	3.7	2,601	20,481	12.7
January.....	19,315	624	3.2	2,826	21,517	13.1
2005						
Total.....	244,892	9,176	3.7	37,191	272,907	13.6
December.....	17,706	436	2.5	2,730	20,000	13.7
November.....	19,083	753	3.9	2,566	20,896	12.3
October.....	20,492	868	4.2	2,928	22,552	13.0
September.....	20,498	837	4.1	3,010	22,671	13.3
August.....	22,962	827	3.6	2,950	25,085	11.8
July.....	20,886	711	3.4	3,432	23,607	14.5
June.....	22,660	809	3.6	3,388	25,239	13.4
May.....	21,783	873	4.0	3,395	24,305	14.0
April.....	20,423	808	4.0	3,338	22,953	14.5
March.....	21,144	888	4.2	3,632	23,888	15.2
February.....	18,523	693	3.7	3,111	20,941	14.9
January.....	18,732	673	3.6	2,711	20,770	13.1

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: 2006

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: 2006 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 (2006).

Appendix.

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

GENERAL

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

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

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

NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS), 1997

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

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

Listed below are the NAICS sectors:

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

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

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

FUNDING

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

RELIABILITY OF DATA

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

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

DATA REVISIONS

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

DISCLOSURE

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

EXPLANATION OF GENERAL TERMS

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

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

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

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

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

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

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

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

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

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

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

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

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

Stocks. Total quantity of ending finished inventory.

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

HISTORICAL NOTE

Data on 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.