
Forest Products

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Change in 2003 from 2002:

U.S. trade deficit: Increased by \$980 million (7 percent) to \$15.2 billion
U.S. exports: Increased by \$740 million (3 percent) to \$23.6 billion
U.S. imports: Increased by \$1.7 billion (5 percent) to \$38.8 billion

The U.S. trade deficit in forest products increased between 2002 and 2003, primarily as a result of increased imports of wood veneer and wood panels (see table FP-1). Product groups with the largest increases in imports were wood veneer and wood panels; wood pulp and waste paper; and moldings, millwork, and joinery (see table FP-2). The continued strength of the U.S. housing market (both housing starts and residential repair and remodeling) in 2003 generated increased imports of wood panels, moldings, millwork, and joinery. Increased prices for structural panels (particularly oriented strand board) resulted from tight supplies in combination with strong demand¹ and led to a significant increase in the value of U.S. imports of wood veneer and wood panels during the period.² The value of wood pulp and waste paper imports increased as the impact of higher prices for wood pulp exceeded the impact of declining import quantity. The product group showing the largest decrease in imports was lumber. During 2002-03, the value of U.S. lumber imports decreased 10 percent, and the quantity increased 1 percent, which reflected the long-term trend.³ In spite of the continued strength of the U.S. housing market, oversupply in the U.S. lumber market continued to reflect strong domestic production, weak offshore export markets, and increased imports.⁴

The product groups with the largest increases in exports were wood pulp and waste paper and paperboard (see table FP-2). The increase in the value of wood pulp and waste paper exports reflected a large increase in exports of waste paper (22 percent by quantity),⁵ which offset a small decrease in exports of wood pulp. U.S. exports of waste paper have expanded in recent years primarily as a result of the large domestic supply of waste paper and increased recycling efforts.⁶ The increase in the value of

¹ The strong U.S. housing market was the most significant factor impacting demand for structural panels in 2003. Other factors included Hurricane Isabel, which hit the U.S. east coast, and U.S. Government purchases for rebuilding in Iraq. However, the impact of U.S. Government purchases was less significant than was widely reported, accounting for less than 1 percent of average monthly production. "APA forecast sees structural wood panel production flat in 2004," found at http://www.paperloop.com/db_area/archive/pponews/2004/wk03_22_2004/125.html, retrieved May 11, 2004.

² "Historic panel market run set off by reduced supply," *Random Lengths Yardstick*, Vol. 13, No. 7, July 2003, pp. 1-2.

³ During 1999 to 2003, the value of U.S. lumber imports decreased steadily (- 3 percent compound annual growth rate or CAGR) while the quantity of U.S. lumber imports increased steadily (3 percent CAGR).

⁴ *Wood Markets*, Aug. 2002 (Vol. 7, No. 6), p. 1.

⁵ U.S. exports of waste paper increased at an average compound annual growth rate (CAGR) of 14 percent (by quantity) during 1999 to 2003.

⁶ U.S. International Trade Commission, *Industry & Trade Summary Wood Pulp and Waste Paper*, USITC publication 3490, 2002, p. 6.

Table FP-1

Forest products: U.S. exports of domestic merchandise, imports for consumption, and merchandise trade balance, by selected countries and country groups, 1999-2003¹

Item	1999	2000	2001	2002	2003	Change, 2003 from 2002	
						Absolute	Percent
<i>Million dollars</i>							
U.S. exports of domestic merchandise:							
Canada	7,231	7,858	7,462	7,502	7,960	457	6.1
China	637	787	820	1,058	1,314	256	24.1
Mexico	3,091	3,628	3,282	3,056	3,217	161	5.3
Japan	2,847	3,004	2,497	2,017	1,887	-130	-6.4
United Kingdom	1,090	1,276	1,143	1,047	1,014	-33	-3.1
Brazil	274	260	223	204	190	-15	-7.2
Germany	740	790	671	558	565	6	1.1
Korea	724	808	561	659	699	40	6.1
Italy	614	737	636	627	674	47	7.5
Finland	21	18	18	21	22	(²)	-1.9
All other	6,803	7,268	6,430	6,075	6,025	-50	-0.8
Total	24,070	26,434	23,743	22,825	23,566	740	3.2
EU-15	4,272	4,834	4,240	3,852	3,921	70	1.8
OPEC	510	625	516	465	418	-47	-10.2
Latin America	5,178	5,769	5,170	4,769	4,844	75	1.6
CBERA	1,070	1,088	985	945	906	-39	-4.1
Asia	5,998	6,537	5,570	5,473	5,571	97	1.8
Sub-Saharan Africa	155	159	148	120	135	15	12.8
Central and Eastern Europe	66	69	79	77	88	11	14.5
U.S. imports of merchandise for consumption:							
Canada	23,829	24,782	23,449	22,311	22,640	329	1.5
China	1,526	1,967	2,168	2,749	3,362	612	22.3
Mexico	1,044	1,055	999	1,038	1,075	38	3.6
Japan	610	652	542	600	610	10	1.6
United Kingdom	807	875	805	729	751	22	3.0
Brazil	972	1,145	1,145	1,288	1,569	281	21.9
Germany	760	893	906	1,031	1,057	26	2.5
Korea	295	394	348	404	467	63	15.6
Italy	409	447	403	392	396	4	1.0
Finland	669	741	718	773	948	174	22.6
All other	4,876	5,244	5,195	5,733	5,895	162	2.8
Total	35,798	38,195	36,678	37,048	38,769	1,721	4.6
EU-15	3,955	4,504	4,371	4,778	5,109	331	6.9
OPEC	755	696	610	547	537	-10	-1.8
Latin America	2,774	2,936	2,933	3,268	3,680	411	12.6
CBERA	107	102	113	124	123	(²)	-0.3
Asia	4,488	5,085	4,960	5,662	6,317	655	11.6
Sub-Saharan Africa	110	141	119	121	139	19	15.4
Central and Eastern Europe	23	36	57	56	61	5	9.4

See footnote(s) at end of table.

Table FP-1--Continued

Forest products: U.S. exports of domestic merchandise, imports for consumption, and merchandise trade balance, by selected countries and country groups, 1999-2003¹

Item	1999	2000	2001	2002	2003	Change, 2003 from 2002	
						Absolute	Percent
<i>Million dollars</i>							
U.S. merchandise trade balance:							
Canada	-16,599	-16,924	-15,987	-14,809	-14,680	129	0.9
China	-890	-1,180	-1,348	-1,691	-2,048	-357	-21.1
Mexico	2,046	2,573	2,283	2,018	2,142	123	6.1
Japan	2,237	2,352	1,955	1,417	1,278	-139	-9.8
United Kingdom	283	401	338	318	263	-55	-17.3
Brazil	-698	-884	-922	-1,083	-1,380	-296	-27.3
Germany	-20	-104	-235	-473	-493	-20	-4.1
Korea	429	413	212	255	232	-23	-9.0
Italy	205	290	233	235	278	43	18.2
Finland	-648	-723	-699	-752	-926	-174	-23.1
All other	1,927	2,024	1,235	342	130	-211	-61.8
Total	-11,727	-11,761	-12,935	-14,223	-15,204	-980	-6.9
EU-15	316	331	-132	-926	-1,188	-262	-28.3
OPEC	-245	-71	-94	-82	-120	-37	-45.1
Latin America	2,404	2,833	2,236	1,500	1,164	-336	-22.4
CBERA	963	986	872	821	783	-38	-4.7
Asia	1,510	1,452	610	-189	-747	-558	-296.0
Sub-Saharan Africa	45	18	28	-1	-4	-3	-329.8
Central and Eastern Europe	43	33	22	21	27	6	27.7

¹Import values are based on customs value; export values are based on f.a.s. value, U.S. port of export.

²Less than \$500,000.

Note.—Calculations based on unrounded data. The countries shown are those with the largest total U.S. trade (U.S. imports plus exports) in these products in 2003.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table FP-2
Leading changes in U.S. exports and imports of forest products, 1999-2003

Industry/commodity group	1999	2000	2001	2002	2003	Change, 2003 from 2002	
						Absolute	Percent
<i>Million dollars</i>							
U.S. EXPORTS:							
Increases:							
Wood pulp and wastepaper (AG059)	3,540	4,619	3,711	3,853	4,112	259	6.7
Paperboard (AG061A)	3,328	3,621	3,165	3,538	3,723	185	5.2
Printed matter (AG066)	4,195	4,306	4,353	4,006	4,160	154	3.9
Decreases:							
Tissue and tissue products (AG061B)	1,005	1,119	1,283	1,211	1,094	-117	-9.6
All other	12,002	12,768	11,231	10,217	10,476	258	2.5
TOTAL	24,070	26,434	23,743	22,825	23,566	740	3.2
U.S. IMPORTS:							
Increases:							
Wood veneer and wood panels (AG054)	3,574	3,471	3,280	3,730	4,938	1,208	32.4
Wood pulp and wastepaper (AG059)	2,604	3,388	2,650	2,371	2,603	232	9.8
Moldings, millwork, and joinery (AG053)	2,521	2,518	2,521	2,866	3,057	192	6.7
Decreases:							
Lumber (AG052)	7,820	7,071	6,854	6,647	6,007	-640	-9.6
All other	19,278	21,747	21,373	21,435	22,164	729	3.4
TOTAL	35,798	38,195	36,678	37,048	38,769	1,721	4.6

Note.-Calculations based on unrounded data.

Source: Compiled from official statistics of the U.S. Department of Commerce.

U.S. exports of paperboard was primarily owing to higher prices in 2003 than in 2002 resulting from capacity reductions by U.S. paperboard manufacturers.⁷ Conversely, the decline in U.S. exports of tissue and tissue products (the group with the largest decline in export value) was primarily owing to lower prices in 2003 than in 2002 resulting from weak demand for away-from-home tissue products and capacity expansions.⁸ The decline in U.S. exports of tissue and tissue products was 10 percent by value but only 1 percent by quantity.

Canada remained the largest sector trading partner, accounting for 49 percent of total U.S. sector trade in 2003. Although the United States had trade surpluses in forest products with half of the top 10 trade partners (Mexico, Japan, the United Kingdom, Korea, and Italy), all surpluses combined were far smaller than the U.S. deficit with Canada. China overtook Mexico to become the second-largest sector trading partner, accounting for 8 percent of total trade in forest products. In 2003, the Mexican share of U.S. forest products trade remained at 7 percent, and Japan accounted for 4 percent.

In 2003, Canada accounted for 58 percent of U.S. sector imports. U.S. trade in forest products with Canada increased by \$786 million in 2003 over the previous year. Canada has significant forest resources and a well-developed forest products industry. Its industry generally has capacity in excess of domestic requirements and is in close proximity to U.S. markets. Lumber, wood panels, and newsprint were the top three product groups ranked by value of U.S. imports, but Canada supplies significant amounts in many other product groups. U.S. imports of lumber and oriented strand board from Canada benefitted from the strong U.S. housing market. The rapid development of the forest products industry in China is reflected in the growth of sector trade between China and the United States, which increased 23 percent during 2002-03.⁹ Top product groups for U.S. imports from China in 2003 were printed matter, miscellaneous paper products, and moldings, millwork, and joinery. The U.S. trade deficit with Brazil (third-largest behind Canada and China in 2003) has grown steadily in recent years. The expanding forest industry in Brazil enjoys a natural advantage, resulting from the combination of fast-growing tree species and favorable growing conditions. That advantage was initially manifest in the production of wood pulp and subsequently in the production of structural wood panels and millwork.

In 2003, Canada was the largest market for U.S. forest products, accounting for 34 percent of all U.S. exports. The U.S. industry supplies significant amounts of paperboard to many countries including Canada, China, Mexico, and Japan. Because their supplies of wood fiber are limited, the paper industries in China and Japan are based primarily on recycled fiber, making both countries principal markets for U.S. waste paper. In 2003, China alone accounted for 43 percent (by quantity) of U.S. waste paper exports. In addition to the exports of paperboard noted above, brisk trade in paper packaging with Mexico resulted from the increased demand for packaging products created by industries in the Maquiladora zone. In 2003, Canada, China, Mexico, and Japan were the principle markets for U.S. lumber, and Japan remained the largest U.S. export market for logs and rough wood products. The preference to import logs rather than finished lumber is rooted in the unique character of traditional Japanese construction methods. However, during 2002-03, the U.S. trade surplus with Japan continued to decline¹⁰ owing to increased competition in the Japanese market for forest products.

⁷ "U.S. kraft linerboard drops \$20/ton; box business continues 4-year fall," *Pulp & Paper*, Vol. 78, No. 1, Jan. 2004, p. 9.

⁸ "Rising... costs will burden tissue mills this year," *Pulp & Paper*, Vol. 78, No. 2, Feb. 2004, p. 7.

⁹ The annual increase in 2003 was very close to the latest 5-year trend. From 1999 to 2003, forest products trade between the United States and China increased at an average compound annual growth rate of 21 percent.

¹⁰ During 1999 to 2003, the U.S. trade surplus with Japan has declined at an average CAGR of 13 percent.

Table FP-3
Forest products : U.S. trade for industry/commodity groups and subgroups, 1999-2003¹

USITC code ²	Industry/commodity group	1999	2000	2001	2002	2003	Change, 2003 from 2002	
							Absolute	Percent
<i>Million dollars</i>								
AG051	Logs and rough wood products:							
	Exports	1,885	1,941	1,622	1,490	1,468	-22	-1.5
	Imports	495	576	582	582	577	-5	-0.9
	Trade balance	1,390	1,365	1,039	907	891	-17	-1.8
AG052	Lumber:							
	Exports	2,184	2,210	1,781	1,720	1,725	5	0.3
	Imports	7,820	7,071	6,854	6,647	6,007	-640	-9.6
	Trade balance	-5,636	-4,860	-5,073	-4,927	-4,282	646	13.1
AG053	Moldings, millwork, and joinery:							
	Exports	545	553	467	443	495	52	11.7
	Imports	2,521	2,518	2,521	2,866	3,057	192	6.7
	Trade balance	-1,976	-1,966	-2,054	-2,423	-2,563	-140	-5.8
AG054	Wood veneer and wood panels:							
	Exports	958	1,029	889	928	905	-24	-2.5
	Imports	3,574	3,471	3,280	3,730	4,938	1,208	32.4
	Trade balance	-2,615	-2,443	-2,391	-2,801	-4,033	-1,231	-44.0
AG055	Wooden containers:							
	Exports	172	197	150	135	154	20	14.5
	Imports	471	565	555	612	605	-7	-1.1
	Trade balance	-299	-369	-405	-477	-451	26	5.5
AG056	Tools and tool handles of wood:							
	Exports	44	53	37	42	50	8	20.3
	Imports	120	136	130	131	139	8	6.4
	Trade balance	-75	-82	-93	-89	-89	(³)	0.1
AG057	Miscellaneous articles of wood:							
	Exports	187	193	175	167	167	(³)	-0.1
	Imports	1,007	1,111	1,041	1,152	1,236	84	7.3
	Trade balance	-821	-918	-866	-985	-1,069	-84	-8.5
AG058	Cork and rattan:							
	Exports	90	86	53	61	65	4	6.9
	Imports	450	485	522	570	616	46	8.0
	Trade balance	-359	-399	-469	-509	-551	-42	-8.2
AG059	Wood pulp and wastepaper:							
	Exports	3,540	4,619	3,711	3,853	4,112	259	6.7
	Imports	2,604	3,388	2,650	2,371	2,603	232	9.8
	Trade balance	936	1,231	1,061	1,482	1,509	27	1.8
AG060	Paper boxes and bags:							
	Exports	1,416	1,500	1,445	1,315	1,348	32	2.5
	Imports	802	940	1,011	1,121	1,231	110	9.8
	Trade balance	615	561	435	195	117	-77	-39.8
AG061	Industrial papers and paperboards:							
	Exports	5,170	5,659	5,403	5,228	5,312	83	1.6
	Imports	2,797	3,157	3,276	3,464	3,492	28	0.8
	Trade balance	2,373	2,503	2,127	1,764	1,819	55	3.1
AG061A	Paperboard:							
	Exports	3,328	3,621	3,165	3,538	3,723	185	5.2
	Imports	1,468	1,662	1,591	1,829	1,731	-98	-5.3
	Trade balance	1,860	1,959	1,574	1,709	1,992	283	16.6

See footnote(s) at end of table.

Table FP-3--Continued

Forest products : U.S. trade for industry/commodity groups and subgroups, 1999-2003¹

USITC code ²	Industry/commodity group	1999	2000	2001	2002	2003	Change, 2003 from 2002	
							Absolute	Percent
<i>Million dollars</i>								
AG061B	Tissue and tissue products:							
	Exports	1,005	1,119	1,283	1,211	1,094	-117	-9.6
	Imports	768	906	1,082	1,237	1,283	46	3.7
	Trade balance	237	214	201	-26	-188	-162	-628.0
AG061C	Industrial paper:							
	Exports	837	919	954	480	494	14	3.0
	Imports	561	589	602	398	479	80	20.1
	Trade balance	277	330	352	81	15	-66	-81.0
AG062	Newsprint:							
	Exports	423	492	409	330	325	-6	-1.7
	Imports	3,517	3,789	3,597	3,039	2,991	-48	-1.6
	Trade balance	-3,094	-3,297	-3,188	-2,709	-2,667	42	1.6
AG063	Printing and writing papers:							
	Exports	1,338	1,522	1,308	620	625	5	0.8
	Imports	4,337	4,977	4,761	4,372	4,549	177	4.1
	Trade balance	-3,000	-3,455	-3,453	-3,752	-3,924	-172	-4.6
AG064	Certain specialty papers:							
	Exports	641	689	618	1,056	1,114	58	5.5
	Imports	971	1,138	1,067	909	1,046	137	15.1
	Trade balance	-330	-449	-449	147	68	-79	-53.6
AG065	Miscellaneous paper products:							
	Exports	1,281	1,385	1,322	1,431	1,541	110	7.7
	Imports	1,150	1,385	1,295	1,740	1,779	40	2.3
	Trade balance	131	⁽³⁾	26	-309	-238	71	22.9
AG066	Printed matter:							
	Exports	4,195	4,306	4,353	4,006	4,160	154	3.9
	Imports	3,161	3,489	3,536	3,742	3,901	158	4.2
	Trade balance	1,034	817	817	263	259	-4	-1.6

¹Import values are based on customs value; export values are based on f.a.s. value, U.S. port of export.

²This coding system is used by the U.S. International Trade Commission to identify major groupings and subgroupings of HTS import and export items for trade monitoring purposes

³Less than \$500,000.

Note.—Calculations based on unrounded data.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table FP-4

Forest products sector: Profile of U.S. industry and market, by industry/commodity groups and subgroups, 1999-2003

USITC code	Industry/commodity group	1999	2000	2001	2002	2003	Percent change, 2003 from 2002
AG051	Logs and rough wood products:						
	Number of establishments	13,800	13,500	13,500	13,500	13,500	0.0
	Employees (thousands)	85.0	83.0	84.0	84.0	84.0	0.0
	Capacity utilization (percent)	92	95	93	93	93	0.0
	U.S. shipments (million dollars)	48,600	51,200	44,500	45,600	49,400	8.3
	U.S. exports (million dollars)	1,885	1,941	1,622	1,490	1,468	-1.5
	U.S. imports (million dollars)	495	576	582	582	577	-0.9
	Apparent U.S. consumption (million dollars)	47,210	49,835	43,461	44,693	48,509	8.5
	Trade balance (million dollars)	1,390	1,365	1,039	907	891	-1.8
	Ratio of imports to consumption (percent)	1.0	1.2	1.3	1.3	1.2	-7.7
	Ratio of exports to shipments (percent)	3.9	3.8	3.6	3.3	3.0	-9.1
AG052	Lumber:						
	Number of establishments	5,300	5,200	5,000	5,000	5,000	0.0
	Employees (thousands)	118.0	117.0	116.0	116.0	115.0	-0.9
	Capacity utilization (percent)	92	92	89	89	89	0.0
	U.S. shipments (million dollars)	24,700	23,400	21,500	22,100	21,800	-1.4
	U.S. exports (million dollars)	2,184	2,210	1,781	1,720	1,725	(¹)
	U.S. imports (million dollars)	7,820	7,071	6,854	6,647	6,007	-9.6
	Apparent U.S. consumption (million dollars)	30,336	28,260	26,573	27,027	26,082	-3.5
	Trade balance (million dollars)	-5,636	-4,860	-5,073	-4,927	-4,282	13.1
	Ratio of imports to consumption (percent)	25.8	25.0	25.8	24.6	23.0	-6.5
	Ratio of exports to shipments (percent)	8.8	9.4	8.3	7.8	7.9	1.3
AG053	Moldings, millwork, and joinery:						
	Number of establishments	5,300	5,200	5,200	5,200	5,200	0.0
	Employees (thousands)	154.0	154.0	162.0	167.0	167.0	0.0
	Capacity utilization (percent)	87	90	90	90	90	0.0
	U.S. shipments (million dollars)	20,100	21,000	21,000	22,600	23,600	4.4
	U.S. exports (million dollars)	545	553	467	443	495	11.7
	U.S. imports (million dollars)	2,521	2,518	2,521	2,866	3,057	6.7
	Apparent U.S. consumption (million dollars)	22,076	22,966	23,054	25,023	26,163	4.6
	Trade balance (million dollars)	-1,976	-1,966	-2,054	-2,423	-2,563	-5.8
	Ratio of imports to consumption (percent)	11.4	11.0	10.9	11.5	11.7	1.7
	Ratio of exports to shipments (percent)	2.7	2.6	2.2	2.0	2.1	5.0

See footnote(s) at end of table.

Table FP-4—Continued

Forest products sector: Profile of U.S. industry and market, by industry/commodity groups and subgroups, 1999-2003

USITC code	Industry/commodity group	1999	2000	2001	2002	2003	Percent change, 2003 from 2002
AG054	Wood veneer and wood panels:						
	Number of establishments	810	800	780	780	780	0.0
	Employees (thousands)	72.0	76.0	74.0	74.0	74.0	0.0
	Capacity utilization (percent)	82	83	85	85	85	0.0
	U.S. production (million dollars)	14,800	14,200	12,500	13,600	13,500	-0.7
	U.S. exports (million dollars)	958	1,029	889	928	905	-2.5
	U.S. imports (million dollars)	3,574	3,471	3,280	3,730	4,938	32.4
	Apparent U.S. consumption (million dollars)	17,415	16,643	14,891	16,401	17,533	6.9
	Trade balance (million dollars)	-2,615	-2,443	-2,391	-2,801	-4,033	-44.0
	Ratio of imports to consumption (percent)	20.5	20.9	22.0	22.7	28.2	24.2
	Ratio of exports to production (percent)	6.5	7.2	7.1	6.8	6.7	-1.5
AG055	Wooden containers:						
	Number of establishments	2,800	2,800	2,800	2,800	2,800	0.0
	Employees (thousands)	50.0	51.0	51.0	50.0	50.0	0.0
	Capacity utilization (percent)	82	85	85	85	85	0.0
	U.S. production (million dollars)	4,700	5,000	5,200	4,800	4,800	0.0
	U.S. exports (million dollars)	172	197	150	135	154	14.5
	U.S. imports (million dollars)	471	565	555	612	605	-1.1
	Apparent U.S. consumption (million dollars)	4,999	5,369	5,605	5,277	5,251	-0.5
	Trade balance (million dollars)	-299	-369	-405	-477	-451	5.5
	Ratio of imports to consumption (percent)	9.4	10.5	9.9	11.6	11.5	-0.9
	Ratio of exports to production (percent)	3.7	3.9	2.9	2.8	3.2	14.3
AG056	Tools and tool handles of wood:						
	Number of establishments	125	120	110	110	110	0.0
	Employees (thousands)	3.0	3.0	3.0	3.0	3.0	0.0
	Capacity utilization (percent)	78	75	75	75	75	0.0
	U.S. production (million dollars)	188	192	177	188	190	1.1
	U.S. exports (million dollars)	44	53	37	42	50	20.3
	U.S. imports (million dollars)	120	136	130	131	139	6.4
	Apparent U.S. consumption (million dollars)	263	274	270	277	279	0.7
	Trade balance (million dollars)	-75	-82	-93	-89	-89	(¹)
	Ratio of imports to consumption (percent)	45.4	49.4	48.1	47.3	49.9	5.5
	Ratio of exports to production (percent)	23.5	27.8	20.8	22.2	26.4	18.9

See footnote(s) at end of table.

Table FP-4—Continued

Forest products sector: Profile of U.S. industry and market, by industry/commodity groups and subgroups, 1999-2003

USITC code	Industry/commodity group	1999	2000	2001	2002	2003	Percent change, 2003 from 2002
AG058	Cork and rattan:						
	Number of establishments	30	30	30	30	30	0.0
	Employees (thousands)	2.0	2.0	2.0	2.0	2.0	0.0
	Capacity utilization (percent)	80	80	80	80	80	0.0
	U.S. production (million dollars)	110	115	120	120	120	0.0
	U.S. exports (million dollars)	90	86	53	61	65	6.9
	U.S. imports (million dollars)	450	485	522	570	616	8.0
	Apparent U.S. consumption (million dollars)	469	514	589	629	671	6.6
	Trade balance (million dollars)	-359	-399	-469	-509	-551	-8.2
	Ratio of imports to consumption (percent)	95.8	94.3	88.7	90.6	91.9	1.4
	Ratio of exports to production (percent)	82.0	74.5	44.4	51.0	54.5	6.9
AG059	Wood pulp and wastepaper:						
	Number of establishments	68	68	67	66	65	-1.5
	Employees (thousands)	(²)	(²)	(²)	(²)	(²)	(²)
	Capacity utilization (percent)	84	84	78	81	82	1.2
	U.S. production (million dollars)	7,900	9,300	7,300	7,800	8,300	6.4
	U.S. exports (million dollars)	3,540	4,619	3,711	3,853	4,112	6.7
	U.S. imports (million dollars)	2,604	3,388	2,650	2,371	2,603	9.8
	Apparent U.S. consumption (million dollars)	6,964	8,069	6,239	6,318	6,791	7.5
	Trade balance (million dollars)	936	1,231	1,061	1,482	1,509	1.8
	Ratio of imports to consumption (percent)	37.4	42.0	42.5	37.5	38.3	2.1
	Ratio of exports to production (percent)	44.8	49.7	50.8	49.4	49.5	(¹)
AG060	Paper boxes and bags:						
	Number of establishments	3,013	3,029	3,045	3,062	3,079	0.6
	Employees (thousands)	228.0	230.0	232.0	234.0	237.0	1.3
	Capacity utilization (percent)	(³)	(³)	(³)	(³)	(³)	(³)
	U.S. production (million dollars)	43,600	47,700	45,700	48,300	49,700	2.9
	U.S. exports (million dollars)	1,416	1,500	1,445	1,315	1,348	2.5
	U.S. imports (million dollars)	802	940	1,011	1,121	1,231	9.8
	Apparent U.S. consumption (million dollars)	42,985	47,139	45,265	48,105	49,583	3.1
	Trade balance (million dollars)	615	561	435	195	117	-39.8
	Ratio of imports to consumption (percent)	1.9	2.0	2.2	2.3	2.5	8.7
	Ratio of exports to production (percent)	3.2	3.1	3.2	2.7	2.7	0.0

See footnote(s) at end of table.

Table FP-4—Continued

Forest products sector: Profile of U.S. industry and market, by industry/commodity groups and subgroups, 1999-2003

USITC code	Industry/commodity group	1999	2000	2001	2002	2003	Percent change, 2003 from 2002
AG061A	Paperboard:						
	Number of establishments	216	212	206	203	200	-1.5
	Employees (thousands)	51.0	51.0	49.0	48.0	48.0	0.0
	Capacity utilization (percent)	96	90	86	87	85	-2.3
	U.S. production (million dollars)	25,500	25,600	23,200	24,400	24,700	1.2
	U.S. exports (million dollars)	3,328	3,621	3,165	3,538	3,723	5.2
	U.S. imports (million dollars)	1,468	1,662	1,591	1,829	1,731	-5.3
	Apparent U.S. consumption (million dollars)	23,640	23,641	21,626	22,691	22,708	(¹)
	Trade balance (million dollars)	1,860	1,959	1,574	1,709	1,992	16.6
	Ratio of imports to consumption (percent)	6.2	7.0	7.4	8.1	7.6	-6.2
	Ratio of exports to production (percent)	13.0	14.1	13.6	14.5	15.1	4.1
AG061B	Tissue and tissue products:						
	Number of establishments	81	84	82	82	84	2.4
	Employees (thousands)	(²)	(²)	(²)	(²)	(²)	(²)
	Capacity utilization (percent)	96	93	91	90	92	2.2
	U.S. production (million dollars)	14,600	14,500	14,900	14,100	13,100	-7.1
	U.S. exports (million dollars)	1,005	1,119	1,283	1,211	1,094	-9.6
	U.S. imports (million dollars)	768	906	1,082	1,237	1,283	3.7
	Apparent U.S. consumption (million dollars)	14,363	14,286	14,699	14,126	13,288	-5.9
	Trade balance (million dollars)	237	214	201	-26	-188	-628.0
	Ratio of imports to consumption (percent)	5.4	6.3	7.4	8.8	9.7	10.2
	Ratio of exports to production (percent)	6.9	7.7	8.6	8.6	8.4	-2.3
AG061C	Industrial paper:						
	Number of establishments	75	73	71	70	69	-1.4
	Employees (thousands)	(²)	(²)	(²)	(²)	(²)	(²)
	Capacity utilization (percent)	90	84	85	82	81	-1.2
	U.S. production (million dollars)	5,300	5,300	5,200	5,000	5,200	4.0
	U.S. exports (million dollars)	837	919	954	480	494	3.0
	U.S. imports (million dollars)	561	589	602	398	479	20.1
	Apparent U.S. consumption (million dollars)	5,023	4,970	4,848	4,919	5,185	5.4
	Trade balance (million dollars)	277	330	352	81	15	-81.0
	Ratio of imports to consumption (percent)	11.2	11.9	12.4	8.1	9.2	13.6
	Ratio of exports to production (percent)	15.8	17.3	18.4	9.6	9.5	-1.0

See footnote(s) at end of table.

Table FP-4—Continued

Forest products sector: Profile of U.S. industry and market, by industry/commodity groups and subgroups, 1999-2003

USITC code	Industry/commodity group	1999	2000	2001	2002	2003	Percent change, 2003 from 2002
AG062	Newsprint:						
	Number of establishments	24	24	24	20	19	-5.0
	Employees (thousands)	11.0	10.0	10.0	8.0	7.0	-12.5
	Capacity utilization (percent)	97	97	91	84	85	1.2
	U.S. shipments (million dollars)	3,316	3,495	3,209	2,440	2,473	1.4
	U.S. exports (million dollars)	423	492	409	330	325	-1.7
	U.S. imports (million dollars)	3,517	3,789	3,597	3,039	2,991	-1.6
	Apparent U.S. consumption (million dollars)	6,410	6,792	6,397	5,149	5,140	-0.2
	Trade balance (million dollars)	-3,094	-3,297	-3,188	-2,709	-2,667	1.6
	Ratio of imports to consumption (percent)	54.9	55.8	56.2	59.0	58.2	-1.4
	Ratio of exports to shipments (percent)	12.8	14.1	12.7	13.5	13.1	-3.0
AG063	Printing and writing papers:						
	Number of establishments	120	115	115	105	100	-4.8
	Employees (thousands)	(²)	(²)	(²)	(²)	(²)	(²)
	Capacity utilization (percent)	(²)	(²)	(²)	(²)	(²)	(²)
	U.S. shipments (million dollars)	23,379	24,267	21,511	21,600	20,900	-3.2
	U.S. exports (million dollars)	1,338	1,522	1,308	620	625	0.8
	U.S. imports (million dollars)	4,337	4,977	4,761	4,372	4,549	4.1
	Apparent U.S. consumption (million dollars)	26,379	27,722	24,964	25,352	24,824	-2.1
	Trade balance (million dollars)	-3,000	-3,455	-3,453	-3,752	-3,924	-4.6
	Ratio of imports to consumption (percent)	16.4	18.0	19.1	17.2	18.3	6.4
	Ratio of exports to shipments (percent)	5.7	6.3	6.1	2.9	3.0	3.4
AG064	Certain specialty papers:						
	Number of establishments	(²)	(²)	(²)	(²)	(²)	(²)
	Employees (thousands)	(²)	(²)	(²)	(²)	(²)	(²)
	Capacity utilization (percent)	(²)	(²)	(²)	(²)	(²)	(²)
	U.S. shipments (million dollars)	5,300	5,564	5,600	5,700	5,900	3.5
	U.S. exports (million dollars)	641	689	618	1,056	1,114	5.5
	U.S. imports (million dollars)	971	1,138	1,067	909	1,046	15.1
	Apparent U.S. consumption (million dollars)	5,630	6,013	6,049	5,553	5,832	5.0
	Trade balance (million dollars)	-330	-449	-449	147	68	-53.6
	Ratio of imports to consumption (percent)	17.2	18.9	17.6	16.4	17.9	9.1
	Ratio of exports to shipments (percent)	12.1	12.4	11.0	18.5	18.9	2.2

See footnote(s) at end of table.

Table FP-4—Continued

Forest products sector: Profile of U.S. industry and market, by industry/commodity groups and subgroups, 1999-2003

USITC code	Industry/commodity group	1999	2000	2001	2002	2003	Percent change, 2003 from 2002
AG066	Printed matter:						
	Number of establishments	62,000	62,000	62,000	60,000	60,000	0.0
	Employees (thousands)	1,500.0	1,500.0	1,500.0	1,400.0	1,400.0	0.0
	Capacity utilization (percent)	76	75	71	69	(²)	(²)
	U.S. shipments (million dollars)	229,000	240,000	243,000	246,000	254,000	3.3
	U.S. exports (million dollars)	4,195	4,306	4,353	4,006	4,160	3.9
	U.S. imports (million dollars)	3,161	3,489	3,536	3,742	3,901	4.2
	Apparent U.S. consumption (million dollars)	227,966	239,183	242,183	245,737	253,741	3.3
	Trade balance (million dollars)	1,034	817	817	263	259	-1.6
	Ratio of imports to consumption (percent)	1.4	1.5	1.5	1.5	1.5	0.0
	Ratio of exports to shipments (percent)	1.8	1.8	1.8	1.6	1.6	0.0

¹Less than 0.05 percent.²Not available.³Capacity utilization could not be meaningfully calculated for this industry.

Note.—Calculations based on unrounded data.

Source: These data have been estimated by the Commission's international trade analysts on the basis of primary and secondary data sources including discussions with various Government and industry contacts. These estimated data are subject to change either from secondary sources or from detailed surveys the Commission often conducts in the course of statutory investigations or other work. Further, these data may undergo adjustments based on revisions in tariff nomenclature, classification practices, or redefinitions of industry classes.