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Bulletin of Hardwood Market Statistics: 2006

Forest Service

**Northern Research
Station**

Research Note NRS-8



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Abstract

Provides current and historical information on primary and secondary hardwood products, production, prices, international trade, and employment.

Introduction

Data contained in this bulletin provide a general overview of recent trends in the hardwood market for use by hardwood-related industries, forest managers, the academic community, and the public. The statistics presented in this bulletin are not inclusive. Specific data series were selected on the basis of their availability and completeness and were derived from a variety of sources. Questions about data collection procedures should be directed to the issuing agency or organization.

The reported import and export data for hardwood logs, lumber, veneer, and plywood are reproduced in their entirety as received from the U.S. Department of Commerce, Bureau of the

Census. Reporting errors have occurred in the past due to coding and computing program errors and changes in tariff systems. For information on these errors, see Luppold (1995). Readers interested in export and import data are encouraged to reference additional sources when evaluating international trade statistics.

Readers interested in price data for specific subregions of the domestic hardwood market are encouraged to contact state forestry officials for information on local market conditions.

Your input is critical in helping us make this bulletin more useful. We welcome comments or suggestions on different breakdowns of the data currently reported. Copies of this bulletin are free on request. Send your comments and requests to Melody Cochran at the address below.

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HARDWOOD STUMPAGE, LOG, AND LUMBER PRICES

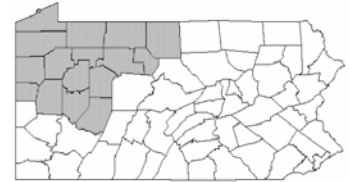


Table 1.—Average hardwood stumpage prices in northwestern Pennsylvania, 2001-2006
(Dollars/Mbf, International 1/4" scale)

Year/quarter	Red oak	White oak	Black cherry	Hard maple	Soft maple	Yellow-poplar
2001	475	182	1,393	367	183	128
2002	490	157	1,374	376	177	119
2003	508	182	1,610	384	184	121
2004	522	213	1,549	356	180	112
2005/1	545	201	1,572	407	214	108
2005/2	398	186	1,536	411	215	102
2005/3	414	197	1,653	445	235	133
2005/4	385	179	1,670	449	249	103
2005 avg.	436	191	1,608	428	228	112
2006/1	429	190	1,363	480	232	120
2006/2	304	102	1,198	406	201	87
2006/3	338	175	1,411	407	223	101
2006/4	381	246	1,606	435	242	129
2006 avg.	363	178	1,395	432	225	109

Source: The Pennsylvania State University, School of Forest Resources, Cooperative Extension, State College.

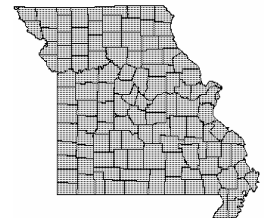


Table 2.—Average hardwood stumpage prices in Missouri, statewide, 2001-2006
(Dollars/Mbf, International 1/4" scale)

Year/quarter	Red oak	White oak	Ash	Hard maple	Soft maple	Mixed hardwoods
2001	174	176	94	137	207	136
2002	185	159	90	150	180	115
2003	181	147	85	140	160	136
2004	206	191	139	107	176	118
2005/1	200	175	NA	NA	220	115
2005/2	190	160	65	60	150	165
2005/3	135	140	60	NA	160	205
2005/4	190	190	100	NA	180	170
2005 avg.	179	166	*NA	*NA	178	164
2006/1	220	195	115	100	145	95
2006/2	205	185	135	290	*NA	70
2006/3	185	180	75	*NA	*NA	170
2006/4	190	340	130	*NA	250	115
2006 avg.	200	225	114	*NA	*NA	113

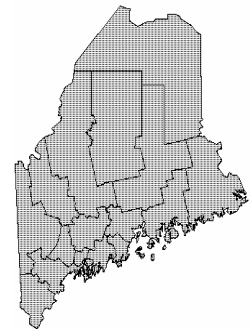
NA = Not available.

* Reported for less than four quarters.

Source: Missouri Department of Conservation, Forestry Division, Jefferson City.

Table 3.A—Average hardwood stumpage prices in Maine statewide, 2000-2005

(Dollars/Mbf, International 1/4" scale)



Year	Red Oak	Yellow birch	White ash	Hard maple	Soft Maple
2000	245	122	127	187	80
2001	218	129	118	198	77
2002	230	125	111	168	78
2003	265	153	123	232	103
2004	304	185	118	247	121
2005	278	190	132	275	110

Source: Maine Forest Service, Management and Utilization Division, Augusta.

Table 4.—Average hardwood stumpage prices in the northern region of Mississippi, 2001-2006

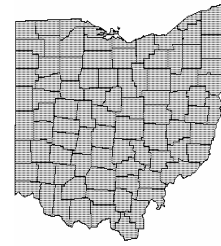
(Dollars/Mbf, Doyle scale)



Year/quarter	Northern Region	
	Oak	Mixed hardwoods
2001	331	168
2002	293	171
2003	309	181
2004 avg.	324	197
2005/1	335	197
2005/2	375	198
2005/3	372	193
2005/4	380	196
2005 avg.	366	196
2006/1	349	254
2006/2	273	194
2006/3	253	203
2006/4	313	239
2006 avg.	297	223

Source: Timber Mart-South; Center for Forest Business; Daniel B. Warnell School of Forest Resources, University of Georgia, Athens.

Table 5.—Average hardwood stumpage prices in Ohio, statewide, 2001-2006
(Dollars/Mbf, Doyle scale)



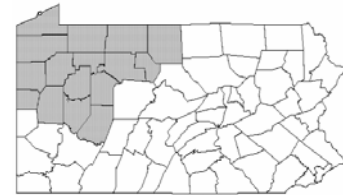
Year/season	White oak	Red oak	Cherry	Yellow-poplar
2001/spring	325	445	690	170
2001/fall	NA	NA	NA	NA
2002/spring	NA	NA	NA	NA
2002/fall	NA	NA	NA	NA
2003/spring	359	454	704	226
2003/fall	304	410	812	200
2004/spring	371	481	900	172
2004/fall	443	570	930	215
2005/spring	270	308	648	138
2005/fall	378	398	742	211 ^r
2006/spring	319	322	719	175
2006/fall	413	340	781	230

NA = Not available.

^r = Revised.

Source: Ohio Department of Natural Resources, Division of Forestry, Columbus.

Table 6.—Average hardwood mill prices of grade 1 logs in northwestern Pennsylvania, 2001-2006
(Dollars/Mbf, International 1/4" scale)

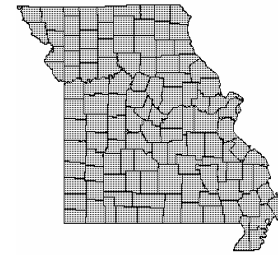


Year/quarter	Red oak	White oak	Black cherry	Hard maple	Soft maple	Yellow-poplar
2001	487	259	1,035	523	264	172
2002	489	273	1,024	490	270	163
2003	540	298	1,113	476	286	173
2004 avg.	533	302	1,298	599	354	198
2005/1	506	300	NA	711	402	203
2005/2	362	302	NA	870	469	199
2005/3	447	322	NA	936	472	207
2005/4	570	452	NA	826	462	192
2005 avg.	471	344	NA	836	452	200
2006/1	494	346	NA	752	428	158
2006/2	450	301	NA	595	364	203
2006/3	482	376	NA	674	452	216
2006/4	434	309	NA	670	413	203
2006 avg.	465	333	NA	673	414	195

NA = Not available.

Source: The Pennsylvania State University, School of Forest Resources, Cooperative Extension, State College.

Table 7—Average hardwood mill prices of grade 1 logs in Missouri, statewide, 1998-2003
(Dollars/Mbf, International 1/4" scale)

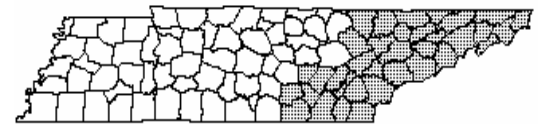


Year/quarter	Red oak	White oak	Cherry	Ash	Soft maple	Black walnut
1998	401	350	419	316	340	440
1999	422	394	634	366	435	471
2000	409	316	501	283	360	415
2001	457	365	744	302	379	516
2002/1	485	375	710	325	355	695
2002/2	405	390	1,105	340	470	865
2002/3	425	325	435	290	360	555
2002/4	370	625	415	415	280	1,245
2002 avg.	421	429	666	342	366	840
2003/1	435	425	500	265	500	1,200
2003/2	NA	NA	NA	NA	NA	NA
2003/3	NA	NA	NA	NA	NA	NA
2003/4	NA	NA	NA	NA	NA	NA
2003 avg.	NA	NA	NA	NA	NA	NA

NA = Not available – Data Disconued in 2003.

Source: Missouri Department of Conservation, Forestry Division, Jefferson City.

Table 8.—Average hardwood mill prices of grade 1 logs in eastern Tennessee, 2001-2006
(Dollars/Mbf, Doyle scale)



Year/quarter	Red oak	White oak	Walnut	Ash	Hard maple	Yellow-poplar
2001	847	614	587	490	506	389
2002	809	554	669	408	434	331
2003	869	628	669	460	591	377
2004 avg.	NA	NA	NA	NA	NA	NA
2005/1	NA	NA	NA	NA	NA	NA
2005/2	NA	NA	NA	NA	NA	NA
2005/3	NA	NA	NA	NA	NA	NA
2005/4	800	725	725	450	665	350
2005 avg.	NA	NA	NA	NA	NA	NA
2006/1	790	725	725	450	670	350
2006/2	780	720	725	450	670	350
2006/3	700	690	725	400	700	350
2006/4	700	710	725	400	650	400
2006 avg.	743	711	725	425	673	363

NA = Not available.

Source: Tennessee Division of Forestry, Utilization Section, Nashville.

Table 9.—Average hardwood mill prices in the northern region of Mississippi, 2001-2006
(Dollars/Mbf, Doyle scale)



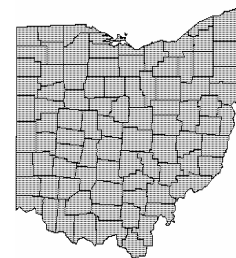
Year/quarter	Northern Region	
	Oak	Mixed hardwoods
2001	406	310
2002	376	322
2003	388	410
2004 avg.	NA	374
2005/1	NA	473
2005/2	411	394
2005/3	508	389
2005/4	516	398
2005 avg.	*478	414
2006/1	427	405
2006/2	427	405
2006/3	405	381
2006/4	403	359
2006 avg.	416	388

NA = Not available.

* Reported for last three quarters.

Source: Timber Mart-South; Center for Forest Business; Daniel B. Warnell School of Forest Resources, University of Georgia, Athens.

Table 10.—Average hardwood mill prices of red oak logs in Ohio, statewide, 2001-2006
(Dollars/Mbf, Doyle scale)



Year/season	Average all grades	Grade 1 16 inches	Grade 1	Grade 2	Grade 3
2001/spring	560	825	595	385	165
2001/fall	NA	NA	NA	NA	NA
2002/spring	NA	NA	NA	NA	NA
2002/fall	NA	NA	NA	NA	NA
2003/spring	497	847	538	318	167
2003/fall	583	839	527	321	172
2004/spring	559	895	567	317	181
2004/fall	590	863	611	356	166
2005/spring	429	679	358	201	148
2005/fall	425	725	445	293	174
2006/spring	423	658	350	217	164
2006/fall	413	694	416	248	174

NA = Not available.

Source: Ohio Department of Natural Resources, Division of Forestry, Columbus.

Table 11.—Green hardwood lumber prices, 2001-2006

(Dollars/Mbf)

Year/quarter	4/4 Appalachian red oak 1C	4/4 Poplar 1C	4/4 Cherry 1C	4/4 Northern hard maple 1C	4/4 Northern soft maple 1C
2001	735	395	1,074	994	618
2002	717	396	1,132	1,005	582
2003	815	406	1,426	1,008	613
2004 avg.	855	395	1,560	1,116	666
2005/1	750	390	1,485	1,260	785
2005/2	675	405	1,370	1,275	800
2005/3	665	405	1,330	1,275	800
2005/4	665	410	1,320	1,275	790
2005 avg.	689	403	1,376	1,272	794
2006/1	645	410	1,290	1,275	790
2006/2	625	410	1,305	1,255	780
2006/3	625	410	1,305	1,225	750
2006/4	625	410	1,335	1,185	750
2006 avg.	630	410	1,309	1,235	768

Source: Hardwood Market Report, Memphis, TN.

Table 12.—Kiln-dried hardwood lumber prices, 2001-2006

(Dollars/Mbf)

Year/quarter	4/4 Appalachian red oak 1C	4/4 Poplar 1C	4/4 Cherry 1C	4/4 Northern hard maple 1C	4/4 Northern soft maple 1C
2001	999	535	1,432	1,324	816
2002	979	539	1,429	1,225	807
2003	1,076	553	1,723	1,263	860
2004 avg.	1,163	536	1,965	1,190	923
2005/1	1,030	530	1,925	NA	970
2005/2	930	550	1,820	NA	995
2005/3	860	555	1,730	NA	1,005
2005/4	878	565	1,710	NA	1,025
2005 avg.	925	550	1,796	NA	999
2006/1	898	570	1,710	NA	1,020
2006/2	905	575	1,710	NA	1,000
2006/3	893	575	1,715	NA	995
2006/4	885	575	1,675	NA	930
2006 avg.	895	574	1,703	NA	986

NA = Not available.

Source: Weekly Hardwood Review, Charlotte, NC.

HARDWOOD PRODUCT PRICES, PRODUCTION, AND EMPLOYMENT

Table 13.—Producer price indexes for selected wood industries, 2001-2006
(1982=100)

Year/ Quarter	Hardwood lumber	Hardwood dimension	Wood kitchen cabinets	Wood household furniture	Upholstered wood household furniture	Wood office furniture	All commodities
2001	181.3	190.0	167.2	173.5	149.4	174.1	134.2
2002	178.3	188.5	169.7	177.2	151.1	175.1	131.1
2003	188.8	190.1	174.4	179.0	152.4	177.8	138.1
2004 avg.	199.3	195.6	178.9	180.6	153.4	179.1	146.7
2005/1	197.8	197.0	181.9	184.9	154.4	180.7	152.1
2005/2	195.8	197.4	183.2	185.8	155.5	181.3	154.5
2005/3	196.0	199.0	183.9	186.6	157.6	181.6	158.7
2005/4	197.0	200.4	184.4	187.6	159.4	184.1	164.3
2005 avg.	196.7	198.5	183.4	186.2	156.7	182.0	157.4
2006/1	195.5	199.4	186.5	189.7	162.1	185.4	162.8
2006/2	195.8	199.7	187.6	190.2	163.4	186.4	165.4
2006/3	194.7	198.8	188.1	190.7	163.9	187.7	166.7
2006/4	195.1	198.5	188.4	192.0	164.6	189.4	164.1
2006 avg.	195.3	199.1	187.6	190.7	163.5	187.2	164.7

Source: U.S. Department of Labor, Bureau of Labor Statistics, Washington, DC.

Table 14.—Value of nonupholstered wood household furniture shipments and nonupholstered wood household furniture imports, 2000-2005
(Millions of dollars)

Year	Value of nonupholstered wood household furniture shipments (actual \$) ¹	Value of nonupholstered wood household furniture shipments (1982 \$) ²	Value of nonupholstered wood household furniture imports (actual \$, c.i.f.) ³	Value of nonupholstered wood household furniture imports (1982 \$, c.i.f.) ²	Ratio of imports to shipments ⁴
2000	11,397.9	6,689	7,822.1	4,590	.69
2001	10,184.2	5,870	7,818.2	4,506	.77
2002	11,456.9	6,466	9,289.7	5,242	.81
2003	9,396.4	5,249	10,380.8	5,799	1.10
2004	9,736.3	5,391	11,874.3	6,575	1.22
2005	9,236.1	4,960	13,334.1	7,161	1.44

¹ Source: U.S. Department of Commerce, Washington, DC.

² Deflated by wood household furniture price index listed in Table 13.

³ Source: U.S. Department of Commerce, Bureau of the Census, Washington, DC.

⁴ Developed from columns 1 and 3.

Table 15.—Shipments of oak strip flooring, 2001-2006
(Thousands of square feet)

Year	Oak strip flooring
2001	446,259 ^r
2002	483,177 ^r
2003	487,498 ^r
2004	518,049 ^r
2005	527,241 ^r
2006	483,145

^r = Revised to square feet.

Source: National Oak Flooring Manufacturers Association, Memphis, TN.

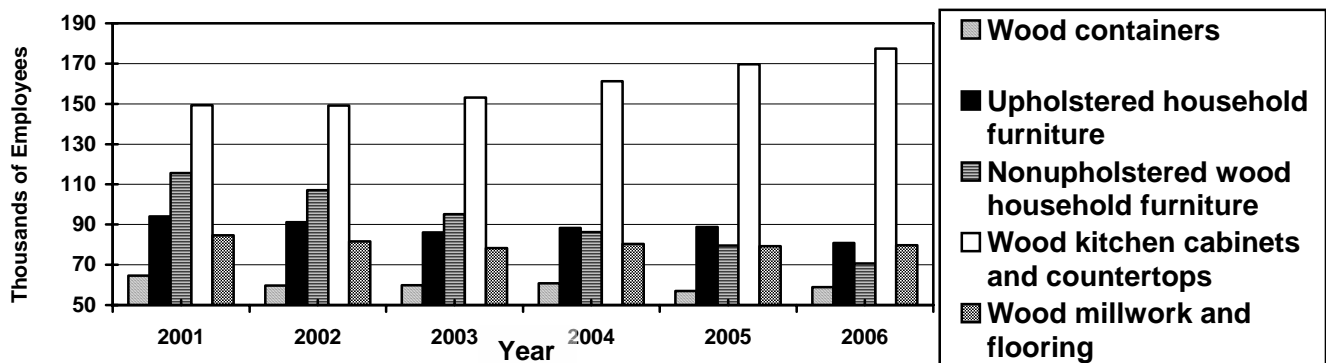
Table 16.—Employment in selected wood-using industries, 2001-2006
(Thousands of employees)

Year/quarter	Wood containers	Upholstered household furniture	Nonupholstered wood household furniture	Wood kitchen cabinets and countertops	Wood millwork and flooring
2001	64.6	94.0	115.7	149.3	84.6
2002	59.7	91.2	107.1	149.2	81.7
2003	59.8	86.1	95.2	153.1	78.3
2004 avg.	60.8	88.3	86.3	161.2	80.4
2005/1	58.1 ^r	87.7 ^r	81.8 ^r	165.9 ^r	79.7 ^r
2005/2	58.8 ^r	87.1 ^r	80.6 ^r	168.5 ^r	79.9 ^r
2005/3	58.9 ^r	84.7 ^r	77.5 ^r	173.5 ^r	80.7 ^r
2005/4	58.2 ^r	84.2 ^r	76.3 ^r	173.6 ^r	81.0 ^r
2005 avg.	58.5 ^r	85.9 ^r	79.0 ^r	170.3 ^r	80.3 ^r
2006/1	58.5	83.2	74.6	175.2	80.4
2006/2	59.4	81.5	72.6	180.0	81.0
2006/3	60.1	79.4	68.6	179.4	79.8
2006/4	57.7	79.4	67.1	174.9	77.4
2006 avg.	58.9	80.9	70.7	177.4	79.7

^r = Revised.

North American Industrial Classification System.

Source: U.S. Department of Labor, Bureau of Labor Statistics, Washington, DC.



INTERNATIONAL HARDWOOD PRODUCT TRADE

Table 17.—International exchange rate, foreign currency per U.S. dollar, 2001-2006

Year/quarter	Brazil (real)	Canada (dollar)	China (yuan)	Euro	Hong Kong (H.K. \$)	Japan (yen)
2003	3.0794	1.4012	8.2772	0.8853	7.7875	115.92
2004	2.9267	1.3016	8.2768	0.8048	7.7888	108.16
2005/1	2.6642	1.2270	8.2765	0.7630	7.7979	104.51
2005/2	2.4821	1.2439	8.2765	0.7943 ^r	7.7884	107.51
2005/3	2.3420	1.2110	8.1400	0.8204	7.7747	111.26
2005/4	2.2485	1.1828	8.0973	0.8411	7.7543	117.26
2005 avg.	2.4342	1.2162	8.1976	0.8047	7.7788	110.14
2006/1	2.1927	1.1547	8.0505	0.8312	7.7574	116.87
2006/2	2.1824	1.1226	8.0105	0.7957	7.7578	114.48
2006/3	2.1705	1.1212	7.9651	0.7851	7.7774	116.30
2006/4	2.1496	1.1392	7.8620	0.7750	7.7799	117.75
2006 avg.	2.1738	1.1344	7.9720	0.7968	7.7681	116.35

Year/quarter	Malaysia (ringgit)	Mexico (peso)	Singapore (S. dollar)	South Africa (rand)	South Korea (won)	U.K. (pound)
2003	3.8000	10.80	1.7408	7.5562	1,191.98	0.612
2004	3.8000	11.29	1.6902	6.4480	1,145.90	0.546
2005/1	3.8000	11.19	1.6355	5.9972	1,022.96	0.529
2005/2	3.8000	10.97	1.6580	6.4044	1,008.12	0.539
2005/3	3.7710	10.78	1.6696	6.5075	1,029.36	0.561
2005/4	3.7769	10.71	1.6832	6.5304	1,036.34	0.572
2005 avg.	3.7870	10.91	1.6616	6.3599	1,024.20	0.550
2006/1	3.7282	10.59	1.6269	6.1450	975.33	0.570
2006/2	3.6452	11.18	1.5892	6.4559	949.29	0.547
2006/3	3.6703	10.95	1.5798	7.1552	954.68	0.534
2006/4	3.6217	10.88	1.5578	7.3033	937.68	0.523
2006 avg.	3.6664	10.90	1.5884	6.7649	954.25	0.544

^r = Revised.

Source: Federal Reserve Bank of St. Louis and Federal Reserve Board of Governors, Washington, DC.

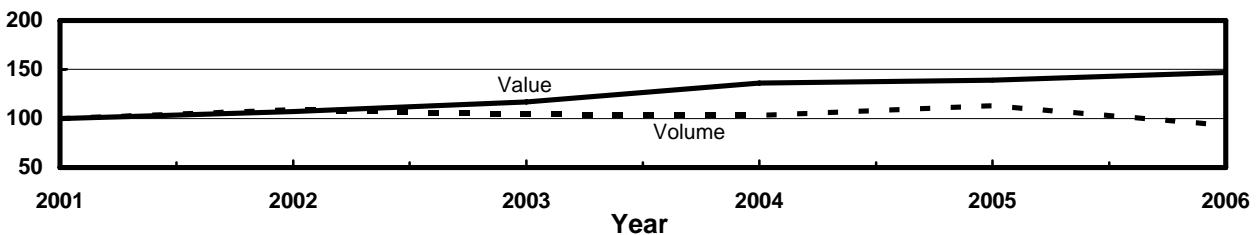
Table 18.—Volume and value of U.S. hardwood log exports, by region, 2001-2006
(Cubic meters and thousands of dollars, f.a.s.)

Year/quarter	Canada		Central and South America and Caribbean		Western Europe	
	Volume	Value	Volume	Value	Volume	Value
2001	1,499,979	168,641	10,389	4,275	266,798	107,671
2002	1,609,415	173,877	13,784	6,558	225,012	97,499
2003	1,512,180	192,339	27,049	10,393	240,942	115,181
2004	1,370,020	208,036	36,254	12,179	272,102	136,443
2005/1	475,559	60,101	9,701	3,497	62,677	36,416
2005/2	378,244	52,264	4,492	1,927	67,591	39,143
2005/3	387,984	45,479	4,280	1,648	33,578	20,806
2005/4	368,424	43,173	5,128	1,909	59,900	33,515
2005 Total	1,610,211	201,017	23,601	8,981	223,746	129,880
2006/1	437,222	55,209	5,899	2,260	83,471	46,202
2006/2	247,333	41,743	6,295	2,520	85,620	49,885
2006/3	199,623	37,142	4,169	1,862	41,832	29,123
2006/4	184,024	35,958	4,338	1,657	61,229	40,917
2006 Total	1,068,202	170,052	20,701	8,299	272,152	166,127

Year/quarter	Asia		All other		Total	
	Volume	Value	Volume	Value	Volume	Value
2001	307,510	134,803	5,977	2,602	2,090,653	417,992
2002	411,154	167,037	10,803	3,813	2,270,168	448,785
2003	374,672	163,500	11,843	6,965	2,166,686	488,379
2004	465,759	206,570	8,676 ^r	4,725	2,153,081	567,956
2005/1	132,437	64,162	2,051	1,313	682,425	165,488
2005/2	150,766	73,326	5,921	3,271	607,014	169,931
2005/3	95,318	41,428	3,390	1,905	524,550	111,266
2005/4	118,953	55,570	2,291	1,525	554,696	135,692
2005 Total	497,474	234,486	13,653	8,014	2,368,685	582,377
2006/1	153,226	71,861	3,539	1,730	683,357	177,262
2006/2	166,484	77,572	2,165	1,339	507,897	173,059
2006/3	119,034	53,524	3,381	1,449	368,039	123,100
2006/4	136,350	60,640	3,217	1,592	389,158	140,764
2006 Total	575,094	263,597	12,302	6,110	1,948,451	614,185

^r = Revised.

Source: U.S. Department of Commerce, Bureau of the Census, Washington, DC.



Volume (m³) and value (thousands of U.S. dollars) of all U.S. hardwood log exports for 2001-2006, based on 2001=100.

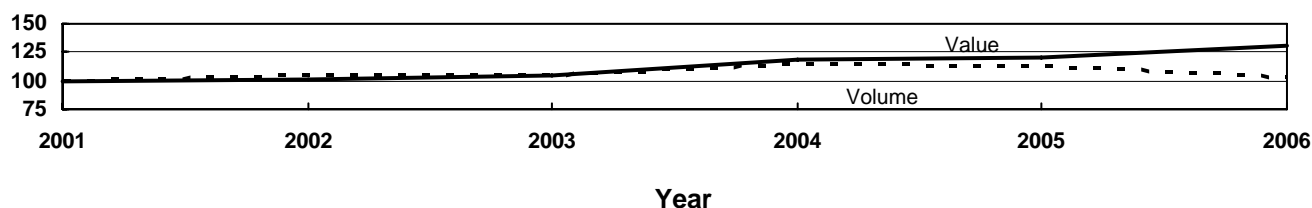
Table 19.—Volume and value of U.S. hardwood lumber exports, by region, 2001-2006
(Cubic meters and thousands of dollars, f.a.s.)

Year/quarter	Canada		Central and South America and Caribbean		Western Europe	
	Volume	Value	Volume	Value	Volume	Value
2001	906,295	338,360	194,029	74,051	734,458	446,828
2002	966,314	358,881	175,898	65,455	671,055	401,775
2003	1,016,122	412,212	179,107	72,458	644,136	403,155
2004	1,044,771	431,663	253,710	102,250	678,134	452,036
2005/1	254,467	107,997	58,754	23,511	167,402	117,248
2005/2	258,859	106,581	77,969	29,105	180,633	126,153
2005/3	243,314	99,378	71,761	29,759	148,394	108,743
2005/4	238,491	95,165	78,296	33,057	167,835	115,896
2005 Total	995,131	409,121	286,780 ^r	115,432	664,264	468,040
2006/1	256,926	109,345	82,022	35,276	175,578	121,101
2006/2	243,041	107,584	79,724	33,090	187,150	130,790
2006/3	215,970	95,081	70,289	30,508	170,400	121,949
2006/4	202,339	93,703	70,001	29,620	182,107	127,893
2006 Total	918,276	405,713	302,036	128,494	715,235	501,733

Year/quarter	Asia		All other		Total	
	Volume	Value	Volume	Value	Volume	Value
2001	743,233	334,082	32,625	20,592	2,610,640	1,213,913
2002	877,194	376,340	33,759	21,741	2,724,220	1,224,192
2003	834,782	362,500	33,760	22,014	2,707,907	1,272,339
2004	979,656	433,116	35,219	24,311	2,991,490	1,443,376
2005/1	227,086	102,543	12,705	8,432	720,414	359,731
2005/2	288,028	129,247	10,944	7,606	816,433	398,692
2005/3	233,652	103,237	11,088	7,688	708,209	348,804
2005/4	242,327	107,488	8,718	6,470	735,667	358,075
2005 Total	991,093	442,515	43,455	30,196	2,980,723	1,465,302
2006/1	272,113	118,189	8,401	6,318	795,608	390,229
2006/2	298,799	143,021	8,468	6,584	818,064	421,069
2006/3	272,938	134,824	10,717	8,033	741,304	390,395
2006/4	258,622	132,216	10,127	7,212	723,830	390,644
2006 Total	1,102,472	528,250	37,713	28,147	3,078,806	1,592,337

^r = Revised.

Source: U.S. Department of Commerce, Bureau of the Census, Washington, DC.



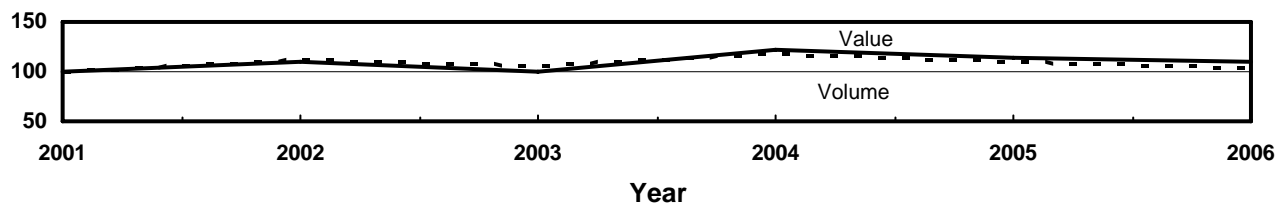
Volume (m³) and value (thousands of U.S. dollars) of all U.S. hardwood lumber exports for 2001-2006, based on 2001=100.

Table 20.—Volume and value of U.S. hardwood veneer exports, by region, 2001-2006
(Million square meters and thousands of dollars, f.a.s.)

Year/quarter	Canada		Central and South America and Caribbean		Western Europe	
	Volume	Value	Volume	Value	Volume	Value
2001	88.9	113,772	9.0	11,550	120.2	165,591
2002	99.1	130,977	13.3	17,281	113.9	157,403
2003	95.5	138,450	13.3	16,831	113.7	162,214
2004	115.2	146,272	20.4	25,734	111.4	163,382
2005/1	31.8	38,685	5.3	7,042	28.0	43,806
2005/2	30.1	38,910	5.3	6,461	30.1	46,980
2005/3	25.9	33,292	5.8	6,601	23.7	36,199
2005/4	26.3	33,143	6.5	7,359	25.6	37,888
2005 Total	114.1	144,030	22.9	27,463	107.4	164,873
2006/1	32.2	40,940	5.2	5,469	26.3	38,357
2006/2	32.7	42,540	6.7	7,615	31.4	50,538
2006/3	27.7	35,370	5.5	6,660	20.4	32,882
2006/4	23.5	31,314	4.7	6,050	28.1	44,476
2006 Total	116.1	150,164	22.1	25,794	106.2	166,253

Year/quarter	Asia		All other		Total	
	Volume	Value	Volume	Value	Volume	Value
2001	55.1	69,805	9.2	10,829	282.5	371,548
2002	79.5	95,998	11.4	11,943	317.3	413,602
2003	63.7	77,055	12.2	14,263	298.4	408,814
2004	75.3	103,516	12.8	15,099	335.3	454,001
2005/1	13.1	16,291	2.4	2,521	80.6	108,345
2005/2	15.9	20,687	2.6	3,145	84.0	116,182
2005/3	14.4	18,129	3.1	3,782	72.9	98,003
2005/4	16.1	19,793	2.9	2,818	77.4	101,001
2005 Total	59.5	74,900	11.0	12,266	314.9	423,531
2006/1	13.3	16,291	4.2	4,424	81.2	105,481
2006/2	11.6	16,429	2.1	2,838	84.5	119,960
2006/3	7.7	10,854	3.0	3,883	64.4	89,650
2006/4	7.2	10,501	3.1	3,720	66.6	96,060
2006 Total	39.8	54,075	12.4	14,865	296.7	411,151

Source: U.S. Department of Commerce, Bureau of the Census, Washington, DC.



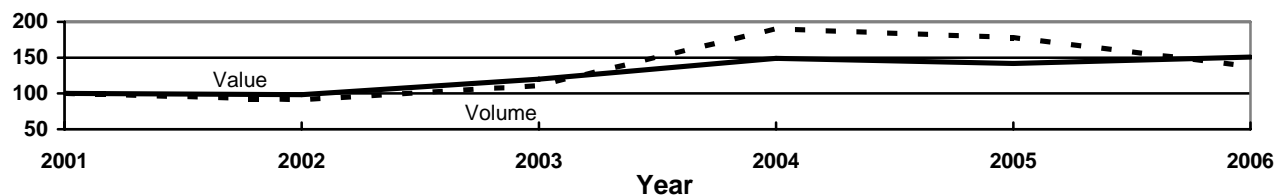
Volume (m³) and value (thousands of U.S. dollars) of all U.S. hardwood veneer exports for 2001-2006, based on 2001=100.

Table 21.—Volume and value of U.S. hardwood plywood exports, by region, 2001-2006
(Cubic meters and thousands of dollars, f.a.s.)

Year/quarter	Canada		Central and South America and Caribbean		Western Europe	
	Volume	Value	Volume	Value	Volume	Value
2001	43,855	21,100	20,936	5,955	999	531
2002	41,383	20,075	20,357	7,179	1,907	826
2003	59,427	29,362	17,031	4,251	1,209	660
2004	84,596	30,120	45,885	10,088	2,984	1,204
2005/1	21,843	8,619	9,385	3,505	454	150
2005/2	20,345	6,661	14,055	3,594	1,157	305
2005/3	16,935	5,732	10,761	2,525	1,264	557
2005/4	19,890	6,619	8,707	2,409	552	251
2005 Total	79,013	27,631	42,908	12,033	3,427	1,263
2006/1	24,577	7,325	9,785	2,742	1,495	556
2006/2	17,404	7,569	5,564	2,953	345	177
2006/3	14,004	8,413	4,540	2,981	507	279
2006/4	13,845	7,783	4,687	2,525	1,089	634
2006 Total	69,830	31,090	24,576	11,201	3,436	1,646

Year/quarter	Asia		All other		Total	
	Volume	Value	Volume	Value	Volume	Value
2001	6,572	2,269	38	9	72,400	29,864
2002	2,230	1,231	148	49	66,025	29,360
2003	1,917	1,449	422	160	80,006	35,882
2004	3,832	2,932	212	90	137,509	44,435
2005/1	1,275	436	39	45	32,996	12,756
2005/2	532	314	256	143	36,345	11,018
2005/3	458	278	238	82	29,656	9,174
2005/4	728	262	45	39	29,922	9,580
2005 Total	2,993	1,290	578	309	128,919	42,528
2006/1	365	186	260	103	36,482	10,913
2006/2	281	161	170	83	23,764	10,942
2006/3	368	199	74	47	19,493	11,919
2006/4	856	498	13	8	20,490	11,447
2006 Total	1,870	1,044	517	241	100,229	45,221

Source: U.S. Department of Commerce, Bureau of the Census, Washington, DC.



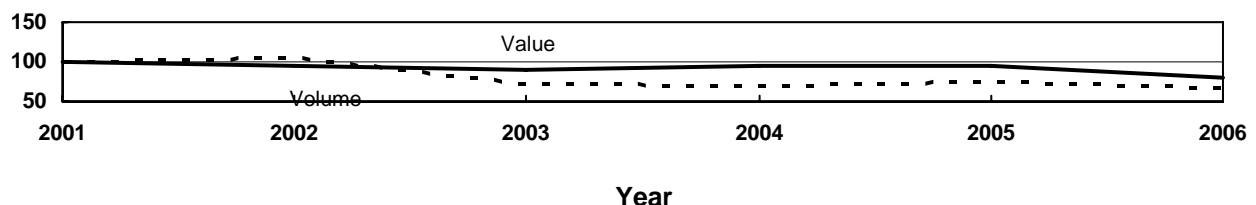
Volume (m³) and value (thousands of U.S. dollars) of all U.S. hardwood plywood exports for 2001-2006, based on 2001=100.

Table 22.—Volume and value of U.S. hardwood log imports, by region, 2001-2006
(Cubic meters and thousands of dollars, c.i.f.)

Year/quarter	Canada		Central and South America and Caribbean		Africa	
	Volume	Value	Volume	Value	Volume	Value
2001	248,183	39,021	5,199	1,541	729	331
2002	245,901	35,179	21,919	3,338	938	532
2003	169,531	32,381	10,280	3,544	546	600
2004	169,562	32,146	10,458	4,561	1,039	832
2005/1	48,701	9,359	6,728	1,971	181	236
2005/2	48,221	8,299	2,524	1,259	330	239
2005/3	39,301	7,426	4,164	1,307	157	243
2005/4	32,705	6,983	3,315	1,000	213	243
2005 Total	168,928	32,067	16,731	5,537	881	961
2006/1	58,883	9,508	3,034	714	1,616	575
2006/2	36,816	7,486	3,540	1,098	339	337
2006/3	28,016	5,551	1,550	677	558	440
2006/4	21,064	4,987	2,523	835	366	534
2006 Total	144,779	27,532	10,647	3,324	2,879	1,886

Year/quarter	Asia and Pacific Ocean		All other		Total	
	Volume	Value	Volume	Value	Volume	Value
2001	4,171	1,607	5,989	2,184	264,271	44,684
2002	1,050	947	5,611	2,615	275,419	42,611
2003	4,440	1,383	5,217	2,922	190,014	40,830
2004	2,152	1,674	4,041	2,862	187,252	42,075
2005/1	399	275	1,629	740	57,638	12,582
2005/2	198	170	1,509	764	52,782	10,723
2005/3	20	25	1,135	639	44,777	9,641
2005/4	5,758	181	1,138	622	43,129	9,028
2005 Total	6,375	651	5,411	2,765	198,326	41,974
2006/1	214	262	2,711	961	66,458	11,824
2006/2	734	242	1,482	999	42,911	9,868
2006/3	375	242	14,221	831	44,720	7,438
2006/4	273	132	840	532	25,066	6,810
2006 Total	1,596	878	19,254	3,323	179,155	35,940

Source: U.S. Department of Commerce, Bureau of the Census, Washington, DC.



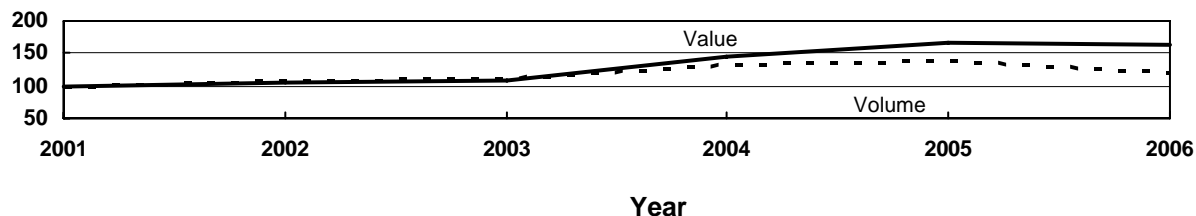
Volume (m³) and value (thousands of U.S. dollars) of all U.S. hardwood log imports for 2001-2006, based on 2001=100.

Table 23.—Volume and value of U.S. hardwood lumber imports, by region, 2001-2006
(Cubic meters and thousands of dollars, c.i.f.)

Year/quarter	Canada		Central and South America and Carriibbean		Africa	
	Volume	Value	Volume	Value	Volume	Value
2001	1,031,403	236,046	253,297	174,348	57,163	28,668
2002	1,147,448	253,321	256,616	167,643	55,027	28,446
2003	1,094,917	262,671	301,537	165,943	67,849	33,100
2004	1,172,176	317,777	440,022	224,519	92,982	59,307
2005/1	252,441 ^r	72,176 ^r	103,789 ^r	68,127 ^r	20,225 ^r	14,847 ^r
2005/2	307,884 ^r	93,354 ^r	127,972 ^r	69,797 ^r	29,152 ^r	22,281 ^r
2005/3	297,801	87,678	138,111	68,830	24,852	20,087
2005/4	278,128	81,477	108,029	60,568	21,266	13,309
2005 Total	1,136,254	334,685	477,901	267,322	95,495 ^r	70,524
2006/1	272,931	83,825	129,522	71,213	16,304	12,767
2006/2	220,220	77,423	106,189	69,326	25,098	20,369
2006/3	199,764	64,917	120,871	76,226	25,543	21,131
2006/4	151,812	49,179	121,419	74,007	27,022	22,346
2006 Total	844,727	275,343	478,001	290,772	93,967	76,613
Year/quarter	Asia and Pacific Ocean		All other		Total	
	Volume	Value	Volume	Value	Volume	Value
2001	108,988	81,260	44,140	13,552	1,494,991	533,874
2002	110,942	83,236	58,889	21,835	1,628,922	554,482
2003	122,992	89,139	94,000	31,280	1,681,295	582,133
2004	173,358	125,665	103,321	39,068	1,981,859	766,336
2005/1	69,083 ^r	34,918 ^r	23,128 ^r	10,170 ^r	468,666 ^r	200,238 ^r
2005/2	43,596 ^r	36,899 ^r	30,407 ^r	13,081 ^r	539,011 ^r	234,412 ^r
2005/3	75,187	45,319	44,667	17,401	580,648	239,315
2005/4	51,892	40,750	46,796	19,222	506,111	215,326
2005 Total	239,758	157,886	144,998	59,874	2,094,436	889,291 ^r
2006/1	58,622	36,082	35,516	15,874	512,895	219,760
2006/2	54,685	41,347	33,451	15,126	439,643	223,591
2006/3	66,900	50,681	41,606	16,869	454,684	229,824
2006/4	45,340	36,704	48,008	12,054	393,601	194,290
2006 Total	225,547	164,814	158,581	59,923	1,800,823	867,465

^r = Revised.

Source: U.S. Department of Commerce, Bureau of the Census, Washington, DC.



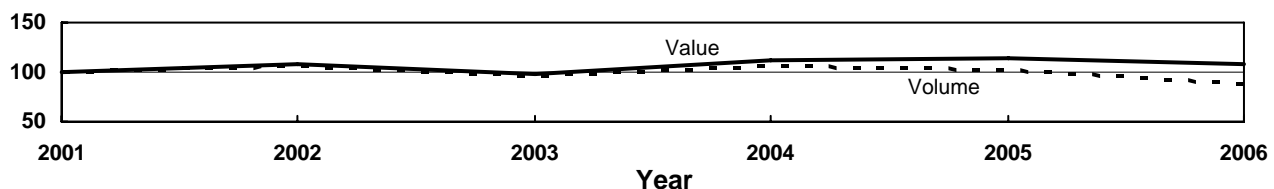
Volume (m³) and value (thousands of U.S. dollars) of all U.S. hardwood lumber imports for 2001-2006, based on 2001=100.

Table 24.—Volume and value of U.S. hardwood veneer imports, by region, 2001-2006
(Million square meters and thousands of dollars. c.i.f.)

Year/quarter	Canada		Central and South America and Caribbean		Africa	
	Volume	Value	Volume	Value	Volume	Value
2001	18.7	182,502	27.4	35,336	24.4	27,100
2002	122.9	185,638	29.2	35,459	29.3	34,668
2003	108.6	166,442	24.1	27,275	26.3	31,444
2004	130.1	197,746	19.8	21,512	26.9	31,352
2005/1	30.2	48,609	8.7	8,902	9.2	10,536
2005/2	34.0	52,609	9.5	8,909	7.2	9,065
2005/3	24.6	41,886	5.1	6,554	7.0	8,879
2005/4	22.4	39,785	5.4	4,650	4.1	4,995
2005 Total	111.2	182,888	28.7	29,016	27.0	33,475
2006/1	31.8	52,636	4.4	5,627	4.6	6,109
2006/2	30.7	51,225	3.4	4,642	7.0	8,762
2006/3	21.6	38,639	2.6	3,878	5.8	7,344
2006/4	21.9	39,621	4.0	5,993	4.6	6,366
2006 Total	106.1	182,122	14.4	20,139	22.0	28,581

Year/quarter	Asia and Pacific Ocean		All other		Total	
	Volume	Value	Volume	Value	Volume	Value
2001	10.5	13,943	19.6	49,325	200.6	308,206
2002	10.7	14,693	23.6	62,158	215.6	332,617
2003	15.6	19,783	17.4	57,601	192.0	302,545
2004	15.9	24,140	21.2	73,983	214.0	348,734
2005/1	4.9	7,719	3.9	15,387	56.9	91,153
2005/2	5.9	7,757	6.8	23,211	63.4	101,550
2005/3	4.5	6,735	6.1	20,716	47.4	84,770
2005/4	2.8	6,484	5.0	19,287	39.7	75,201
2005 Total	18.0	28,695	21.8	78,601	207.4	352,674
2006/1	3.1	6,253	3.8	15,533	47.8	86,158
2006/2	6.0	9,253	5.7	20,993	52.8	94,875
2006/3	3.8	6,753	4.6	17,947	38.4	74,561
2006/4	3.2	7,584	4.8	19,408	38.5	78,972
2006 Total	16.1	29,844	18.8	73,882	177.5	334,568

Source: U.S. Department of Commerce, Bureau of the Census, Washington, DC.

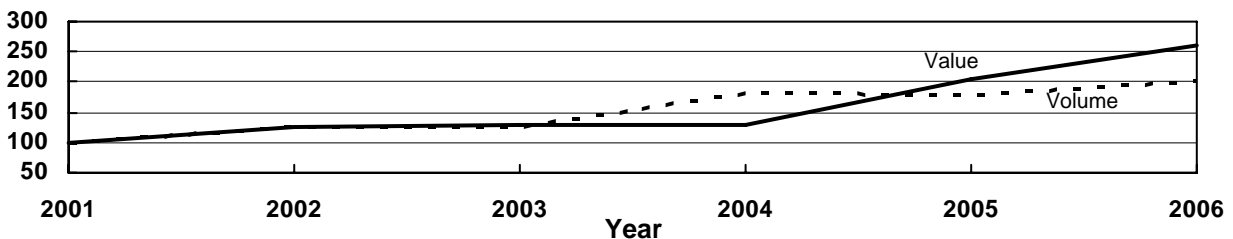


Volume (m³) and value (thousands of U.S. dollars) of all U.S. hardwood veneer imports for 2001-2006, based on 2001=100.

Table 25.—Volume and value of U.S. hardwood plywood imports, by region, 2001-2006
(Cubic meters and thousands of dollars, c.i.f.)

Year/quarter	Canada		Central and South America and Caribbean		Africa	
	Volume	Value	Volume	Value	Volume	Value
2001	321,534	164,960	328,089	103,139	16,761	5,672
2002	335,439	185,117	399,742	120,096	18,433	6,024
2003	320,264	171,231	484,803	148,446	15,618	5,232
2004	299,055	180,286	540,390	203,176	10,937	4,133
2005/1	82,446	47,707	96,375	41,613	1,272	639
2005/2	90,229	55,650	95,196	40,020	1,581	797
2005/3	88,139	52,523	70,532	30,403	2,397	1,149
2005/4	81,799	51,325	75,753	32,747	1,775	1,096
2005 Total	342,613	207,205	337,856	144,783	7,025	3,681
2006/1	89,351	54,027	73,997	33,537	307	200
2006/2	91,456	60,071	62,740	30,137	506	194
2006/3	78,744	52,849	61,924	32,140	1,134	449
2006/4	52,991	38,524	59,978	36,968	1,360	666
2006 Total	312,542	205,471	258,639	132,782	3,307	1,509
Year/quarter	Asia and Pacific Ocean		All other		Total	
	Volume	Value	Volume	Value	Volume	Value
2001	1,057,852	401,010	409,780	152,456	2,134,016	827,236
2002	1,409,031	527,151	542,889	199,044	2,705,534	1,037,432
2003	1,420,062	553,187	458,979	182,137	2,699,726	1,060,233
2004	2,412,708	1,024,525	607,072	273,109	3,870,162	1,685,227
2005/1	558,642	245,073	122,470	56,651	861,205	391,683
2005/2	729,717	312,116	145,254	69,716	1,061,977	478,299
2005/3	646,706	297,593	147,557	66,236	955,331	447,903
2005/4	642,272	296,510	128,739	55,472	930,338	437,149
2005 Total	2,577,337	1,151,292	544,020	248,075	3,808,851	1,755,034
2006/1	690,182	317,212	128,211	57,116	982,048	462,093
2006/2	858,908	408,236	128,508	58,668	1,142,118	557,307
2006/3	984,751	501,256	114,694	58,375	1,241,247	645,068
2006/4	698,588	362,771	83,583	46,262	896,500	485,191
2006 Total	3,232,429	1,589,475	454,996	220,421	4,261,913	2,149,659

Source: U.S. Department of Commerce, Bureau of the Census, Washington, DC.



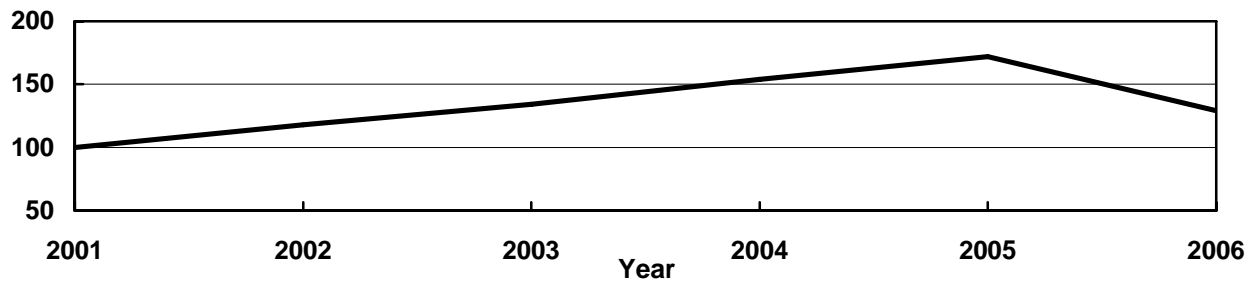
Volume (m³) and value (thousands of U.S. dollars) of all U.S. hardwood plywood imports for 2001-2006, based on 2001=100.

Table 26.—Value of U.S. wood furniture imports, by region, 2001-2006
(Thousands of dollars, c.i.f.)

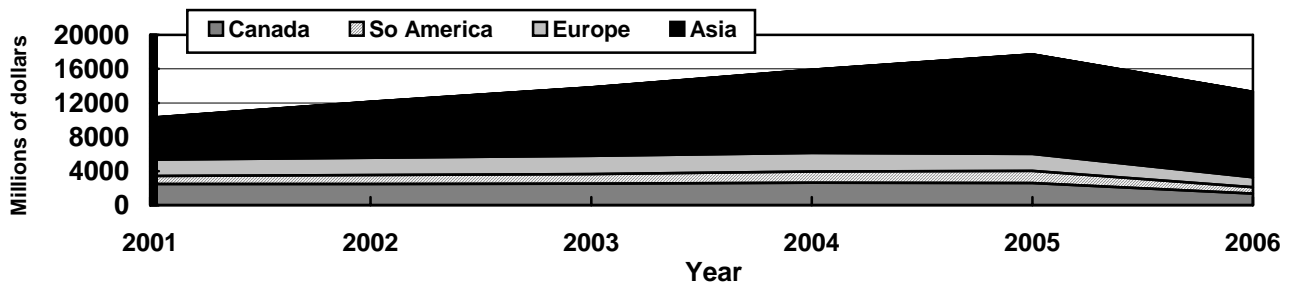
Year/ quarter	Canada	Central and South America and Caribbean	Europe	Asia, Middle East, and Pacific	All other	Total
2001	2,486,092	927,366	1,942,661	4,916,402	38,312	10,310,834
2002	2,476,264	1,039,382	2,041,059	6,599,506	33,801	12,190,012
2003	2,530,571	1,098,108	2,155,312	8,042,358	32,454	13,858,803
Total 2004	2,632,328	1,623,979 ^r	2,163,108	9,769,843	26,579	15,915,827
2005/1	634,933	342,846	508,571	2,563,334	5,217	4,054,901
2005/2	644,410	381,374	530,736	2,936,386	6,164	4,499,098
2005/3	656,465	358,681	482,938	3,036,809	5,919	4,540,813
2005/4	665,557	341,635	451,843	3,164,647	4,723	4,628,426
2005 Total	2,601,365	1,424,536	1,974,088	11,701,176 ^r	22,023	17,723,238
2006/1	325,880	186,521	271,627	2,381,717	3,455	3,169,200
2006/2	336,435	196,753	313,936	2,569,418	5,280	3,421,822
2006/3	362,822	199,176	289,868	2,522,050	4,740	3,378,656
2006/4	331,789	180,668	280,755	2,566,941	4,224	3,364,377
2006 Total	1,356,926	763,118	1,156,186	10,040,126	17,699	13,334,055

^r = Revised.

Source: U.S. Department of Commerce, Bureau of the Census, Washington, DC.



Value index (thousands of U.S. dollars) of all U.S. furniture imports for 2001-2006 based on 2001=100.



Value (thousands of U.S. dollars) of all U.S. furniture imports for 2001-2006.

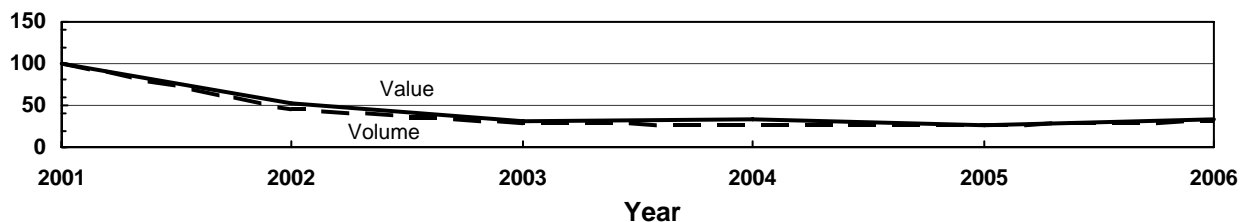
Table 27.—Volume and value of U.S. exports of nonconiferous chips, by region, 2001-2006
(Tons and thousands of dollars, f.a.s.)

Year/quarter	Western Europe		Canada		Japan		Mexico	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value
2001	30,842	11,574	335,617	10,369	1,573,815	127,539	0	0
2002	73,345	9,285	391,240	11,789	67,319	45,042	279	22
2003	31,961	7,605	401,788	13,713	102,116	9,225	74	21
Total 2004	40,676	1,380	332,529	17,873	212,719	13,490	0	0
2005/1	333 ^r	127	50,718	3,334	16,227	1,430	2	8
2005/2	1,483	174	47,517	2,823	0	0	350	12
2005/3	4,397	511	87,938	5,381	45,667	4,064	346	32
2005/4	52	43	66,060	4,813	44,864	3,993	16	5
2005 Total	6,265	855	252,233	16,351	106,758	9,487	714	57
2006/1	55	71	71,893	5,050	25,669	2,377	0	0
2006/2	2,554	325	59,600	4,275	285	11	125	5
2006/3	12,178	499	121,695	7,165	49,460	4,649	0	0
2006/4	6,347	278	141,520	8,208	42,171	5,236	0	0
2006 Total	21,134	1,173	394,708	24,699	117,585	12,273	125	5

Year/quarter	Taiwan		Korea		Other Area		Total	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value
2001	4,322	2,637	143,781	10,424	10,325	1,829	2,098,702	164,372
2002	4,190	1,743	73,018	5,707	6,709	2,535	1,116,100	76,123
2003	8,213	3,593	76,040	7,495	13,800	3,790	633,992	45,442
Total 2004	79	29	92,642	8,548	14,116	3,454	692,761	44,772
2005/1	12	4	40,000	2,300	13,745	1,544	121,037	8,748
2005/2	34	32	0 ^r	0	40,901	3,816	90,285	6,856
2005/3	16	5	48,405	4,207	1,861	177	188,630	14,377
2005/4	66	21	38,248	3,846	4,706	696	154,012	13,416
2005 Total	128	62	126,653	10,353	61,213	6,233	553,964	43,397
2006/1	36	10	0	0	3,057	587	103,822	8,104
2006/2	97	32	53,634	5,094	7,995	411	134,839	10,154
2006/3	17	5	431	17	6,757	310	209,473	12,646
2006/4	0	0	39,441	4,834	19,638	838	275,102	19,394
2006 Total	150	47	93,506	9,945	37,447	2,146	723,236	50,298

^r = Revised

Source: U.S. Department of Commerce, Bureau of the Census, Washington, DC.



Volume (m³) and value (thousands of U.S. dollars) of all U.S. exports of nonconiferous chips for 2001-2006, based on 2001=100.

Definition of Terms

c.i.f. (Cost, Insurance, Freight) - The term is used for shipment to designated overseas port of import. The seller quotes a price for the goods, including insurance, all transportation, and miscellaneous charges to the point of debarkation from vessel or aircraft.

f.a.s. (Free Alongside a Ship at designated U.S. port of export) - The seller quotes a price that includes charges for delivery of the goods alongside a vessel at the port. The seller handles the cost of unloading and wharfage. Loading, ocean transportation, and insurance are the buyer's responsibility.

Useful Conversion Factors

1 Mbf (lumber) = 2.36 cubic meters

1 Mbf* (logs - FAO) = 4.53 cubic meters

1 Mbf** (logs - Doyle scale) = 4.59 cubic meters

1 Mbf** (logs - International 1/4" rule) = 3.48 cubic meters

1 Mbf** (logs - Scribner) = 3.90 cubic meters

1 cubic meter = 35.32 cubic feet

1 ton = 2000 pounds

1 metric ton = 2204.623 pounds

* Factor used by the Food and Agricultural Organization of the United Nations.

** Approximation based on 16-foot log with a 15-inch diameter at the top end inside bark. Actual conversion will depend on the distribution of logs under consideration.

Literature Cited

Luppold, William G. 1995. **Causes and remedies for errors in international forest products trade data: examples from the hardwood trade statistics.** Forest Science. 41(2):278-283.

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