

United States
Department of
Agriculture

Forest Service

**Northeastern
Research Station**

Research Note NE-387



Bulletin of Hardwood Market Statistics: 2005

Melody Akers

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 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 additional data series to include or different breakdowns of the data currently reported. Copies of this bulletin are free on request. Send your comments and requests to Melody Akers at the address below.

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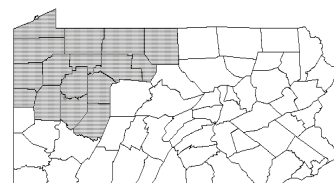
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2	Average hardwood stumpage prices in Missouri, statewide, 2000-2005	Quarterly
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HARDWOOD STUMPAGE, LOG, AND LUMBER PRICES

Table 1.—Average hardwood stumpage prices in northwestern Pennsylvania, 2000-2005

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

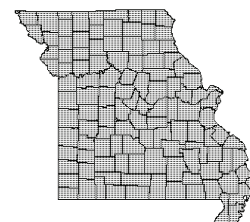


Year/quarter	Red oak	White oak	Black cherry	Hard maple	Soft maple	Yellow-poplar
2000	578	248	1,583	393	206	157
2001	475	182	1,393	367	183	128
2002	490	157	1,374	376	177	119
2003	508	182	1,610	384	184	121
2004/1	520	237	1,295	340	188	124
2004/2	524	206	1,834	389	189	124
2004/3	517	193	1,640	328	167	97
2004/4	526	217	1,429	367	175	103
2004 avg.	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

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

Table 2.—Average hardwood stumpage prices in Missouri, statewide, 2000-2005

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



Year/quarter	Red oak	White oak	Ash	Hard maple	Soft maple	Mixed hardwoods
2000	194	185	160	85	255	130
2001	174	176	94	137	207	136
2002	185	159	90	150	180	115
2003	181	147	85	140	160	136
2004/1	195	215	210	135	190	160
2004/2	185	195	110	140	150	120
2004/3	225	180	165	45	210	75
2004/4	220	175	70	NA	155	115
2004 avg.	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

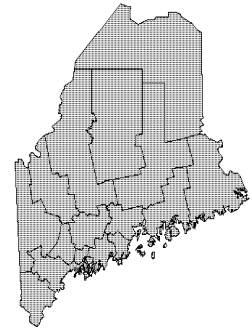
NA = Not available.

* Reported for less than four quarters.

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

Table 3.—Average hardwood stumpage prices in Maine, statewide, 1999-2004

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



Year	Red Oak	Yellow birch	White ash	Hard maple	Soft Maple
1999	224	119	129	157	85
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

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

Table 4.—Average hardwood stumpage prices in the northern region of Mississippi, 2000-2005

(Dollars/Mbf, Doyle scale)

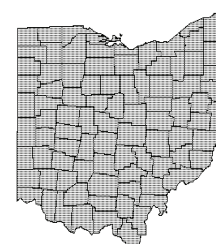


Year/quarter	Northern Region	
	Oak	Mixed hardwoods
2000	287	200
2001	331	168
2002	293	171
2003	309	181
2004/1	337	183
2004/2	278	197
2004/3	355	217
2004/4	327	190
2004 avg.	324	197
2005/1	335	197
2005/2	375	198
2005/3	372	193
2005/4	380	196
2005 avg.	366	196

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, 2000-2005

(Dollars/Mbf, Doyle scale)



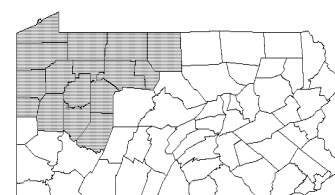
Year/season	White oak	Red oak	Cherry	Yellow-poplar
2000/spring	370	430	690	235
2000/fall	345	445	815	225
2001/spring	325	445	690	170
2001/fall	NA	NA	NA	NA
2002/spring	NA	NA	NA	NA
2002/fall	NA	NA	NA	NA
2003/spring	359	454	704	226
2003/fall	304	410	812	200
2004/spring	371	481	900	172
2004/fall	443	570	930	215
2005/spring	270	308	648	138
2005/fall	378	398	742	200

NA = Not available.

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

Table 6.—Average hardwood mill prices of grade 1 logs in northwestern Pennsylvania, 2000-2005

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

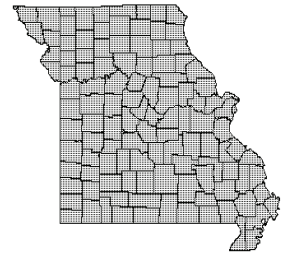


Year/quarter	Red oak	White oak	Black cherry	Hard maple	Soft maple	Yellow-poplar
2000	560	318	1,152	543	286	207
2001	487	259	1,035	523	264	172
2002	489	273	1,024	490	270	163
2003	540	298	1,113	476	286	173
2004/1	575	266	1,298	570	334	192
2004/2	590	374	NA	678	374	241
2004/3	559	304	NA	578	378	206
2004/4	410	266	NA	570	331	152
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

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)

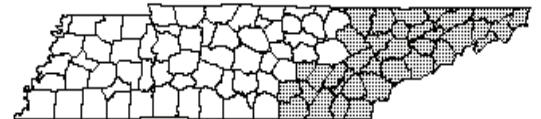


Year/quarter	Red oak	White oak	Cherry	Ash	Soft maple	Black walnut
1998	401	350	419	316	340	440
1999	422	394	634	366	435	471
2000	409	316	501	283	360	415
2001	457	365	744	302	379	516
2002/1	485	375	710	325	355	695
2002/2	405	390	1,105	340	470	865
2002/3	425	325	435	290	360	555
2002/4	370	625	415	415	280	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, 2000-2005**
(Dollars/Mbf, Doyle scale)



Year/quarter	Red oak	White oak	Walnut	Ash	Hard maple	Yellow-poplar
2000	875	675	500	550	550	447
2001	847	614	587	490	506	389
2002	809	554	669	408	434	331
2003	869	628	669	460	591	377
2004/1	NA	NA	NA	NA	NA	NA
2004/2	NA	NA	NA	NA	NA	NA
2004/3	NA	NA	NA	NA	NA	NA
2004/4	NA	NA	NA	NA	NA	NA
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

NA = Not available.

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

Table 9.—Average hardwood mill prices in the northern region of Mississippi, 2000-2005
(Dollars/Mbf, Doyle scale)



Year/quarter	Northern Region	
	Oak	Mixed hardwoods
2000	335	259
2001	406	310
2002	376	322
2003	388	410
2004/1	NA	350
2004/2	NA	372
2004/3	NA	385
2004/4	NA	389
2004 avg.	NA	374
2005/1	NA	473
2005/2	411	394
2005/3	508	389
2005/4	516	398
2005 avg.	*478	414

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, 2000-2005
(Dollars/Mbf, Doyle scale)



Year/season	Average all grades	Grade 1 16 inches	Grade 1	Grade 2	Grade 3
2000/spring	465	860	455	285	130
2000/fall	540	960	580	335	160
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

NA = Not available.

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

Table 11.—Green hardwood lumber prices, 2000-2005
(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
2000	780	458	1,125	983	633
2001	735	395	1,074	994	618
2002	717	396	1,132	1,005	582
2003	815	406	1,426	1,008	613
2004/1	865	395	1,530	1,085	615
2004/2	865	395	1,560	1,100	665
2004/3	855	395	1,575	1,140	685
2004/4	835	395	1,575	1,140	700
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	1272	794

Source: Hardwood Market Report, Memphis, TN.

Table 12.—Kiln-dried hardwood lumber prices, 2000-2005
(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
2000	1,064	600	1,637	1,435	851
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
2004/1	1,168	540	1,920	1,190	895
2004/2	1,183	540	1,960	NA	915
2004/3	1,183	530	2,015	NA	935
2004/4	1,118	535	1,965	NA	945
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

NA = Not available.

Source: Weekly Hardwood Review, Charlotte, NC.

HARDWOOD PRODUCT PRICES, PRODUCTION, AND EMPLOYMENT

Table 13.—Producer price indexes for selected wood industries, 2000-2005
(1982=100)

Year/ Quarter	Hardwood lumber	Hardwood dimension	Wood kitchen cabinets	Wood household furniture	Upholstered wood household furniture	Wood office furniture	All commodities
2000	185.9	188.8	164.2	170.4	147.6	171.1	132.7
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
2004/1	196.9	194.1	177.5	178.7	152.6	178.3	142.2
2004/2	199.0	195.0	178.5	180.1	153.5	178.2	146.3
2004/3	201.0	195.9	179.1	180.9	154.1	179.8	147.7
2004/4	200.3	197.4	180.6	182.6	153.4	180.3	150.5
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

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, 1999-2004
(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
1999	11,942.3	7,130	6,525.8	3,896	.55
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

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, 2000-2005
(Thousands of square feet)

Year	Oak strip flooring
2000	433,421 ^r
2001	446,259 ^r
2002	483,177 ^r
2003	487,498 ^r
2004	518,049 ^r
2005	527,241 ^r

^r = Revised to square feet.

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

Table 16.—Employment in selected wood using industries, 2000-2005
(Thousands of employees)

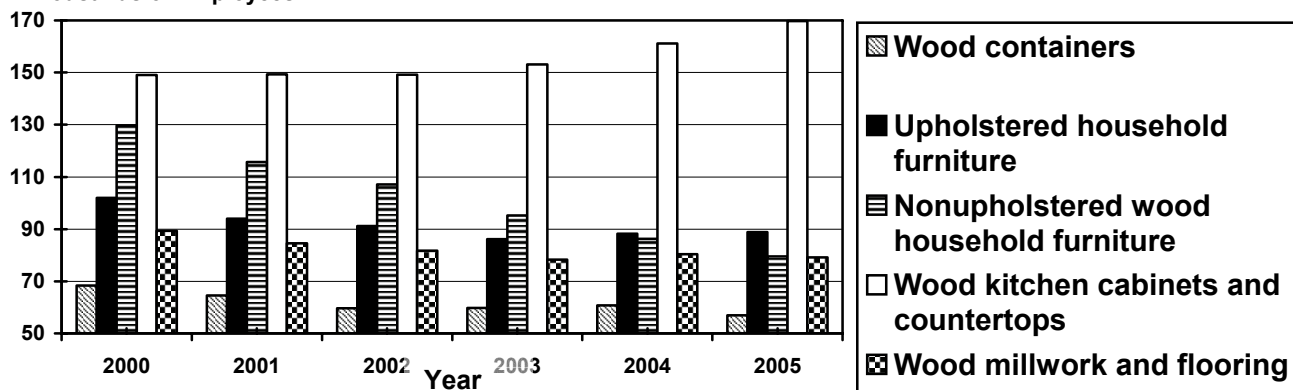
Year/quarter	Wood containers	Upholstered household furniture	Nonupholstered wood household furniture	Wood kitchen cabinets and countertops	Wood millwork and flooring
2000	68.4	102.0	129.7	149.0	89.4
2001	64.6	94.0	115.7	149.3	84.6
2002	59.7	91.2	107.1	149.2	81.7
2003	59.8	86.1	95.2	153.1	78.3
2004/1	57.6 ^r	88.2 ^r	89.7 ^r	156.1 ^r	78.2 ^r
2004/2	58.4 ^r	88.9 ^r	89.2 ^r	160.2 ^r	80.5 ^r
2004/3	62.6	88.3	83.8	164.1	81.9
2004/4	64.6	87.8	82.4	164.3	80.8
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	58.0 ^r	97.3 ^r	80.9 ^r	168.3 ^r	79.3 ^r
2005/3	56.9	85.2	78.2	171.8	79.2
2005/4	55.1	85.0	77.5	172.9	78.7
2005 avg.	57.0	88.8	79.6	169.7	79.2

^r = Revised.

North American Industrial Classification System.

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

Thousands of Employees



Employment in selected wood using industries, 2000 - 2005.

INTERNATIONAL HARDWOOD PRODUCT TRADE

Table 17.—International exchange rate, foreign currency per U.S. dollar, 2000-2005

Year/quarter	Brazil (real)	Canada (dollar)	China (yuan)	Euro	Hong Kong (H.K. \$)	Japan (yen)
2002	2.9235	1.5706	8.2770	1.0612	7.7997	125.27
2003	3.0794	1.4012	8.2772	0.8853	7.7875	115.92
2004/1	2.8981	1.3181	8.2771	0.7993	7.7780	107.17
2004/2	3.0465	1.3596	8.2769	0.8302	7.7974	109.76
2004/3	2.9772	1.3078	8.2767	0.8179	7.7997	109.94
2004/4	2.7849	1.2209	8.2765	0.7716	7.7801	105.76
2004 avg.	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

Year/quarter	Malaysia (ringgit)	Mexico (peso)	Singapore (S. dollar)	South Africa (rand)	South Korea (won)	U.K. (pound)
2002	3.8000	9.66	1.7909	10.5188	1,250.49	0.667
2003	3.8000	10.80	1.7408	7.5562	1,191.98	0.612
2004/1	3.8000	10.99	1.6943	6.7693	1,172.39	0.544
2004/2	3.8000	11.39	1.7036	6.5986	1,163.25	0.554
2004/3	3.8000	11.45	1.7071	6.3789	1,155.15	0.550
2004/4	3.8000	11.33	1.6558	6.0452	1,092.79	0.536
2004 avg.	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

^r = Revised.

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

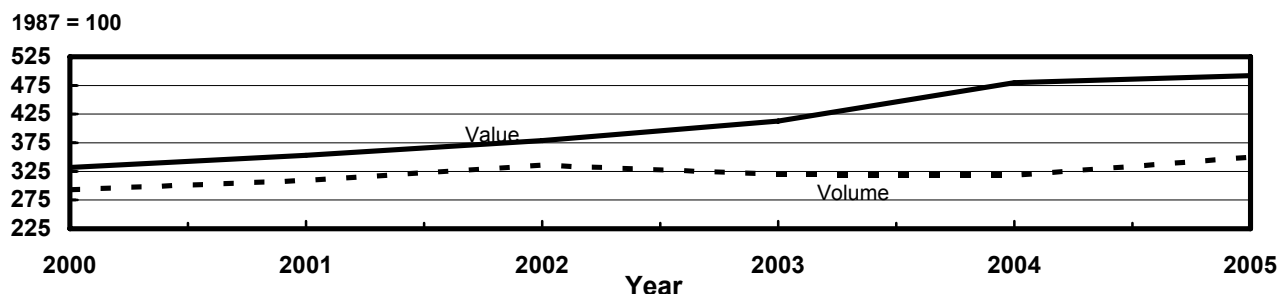
Table 18.—Volume and value of U.S. hardwood log exports, by region, 2000-2005
(Cubic meters and thousands of dollars, f.a.s.)

Year/quarter	Canada		Central and South America and Caribbean		Western Europe	
	Volume	Value	Volume	Value	Volume	Value
2000	1,414,829	173,648	11,922	4,385	272,605	109,201
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	366,190	52,811	9,745	3,676	86,608	42,079
2004/2	277,702	48,414	9,763	3,183	79,457	37,842
2004/3	340,510	54,344	6,743	2,196	40,524	21,496
2004/4	385,618	52,467	10,003	3,124	65,513	35,026
Total 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
Total 2005	1,610,211	201,017	23,601	8,981	223,746	129,880

Year/quarter	Asia		All other		Total	
	Volume	Value	Volume	Value	Volume	Value
2000	274,770	103,210	4,338	2,482	1,978,464	392,927
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
2004/1	124,983	61,021	1,932	922	589,458	160,510
2004/2	168,094	63,148	1,520	607	536,536	153,195
2004/3	69,171	32,679	2,965	1,662	459,913	112,377
2004/4	103,511	49,722	2,259	1,534	567,174	141,874
Total 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
Total 2005	497,474	234,486	13,653	8,014	2,368,685	582,377

^r = Revised.

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



Volume and value index of all U.S. hardwood log exports, 2000-2005.

Table 19.—Volume and value of U.S. hardwood lumber exports, by region, 2000-2005
(Cubic meters and thousands of dollars, f.a.s.)

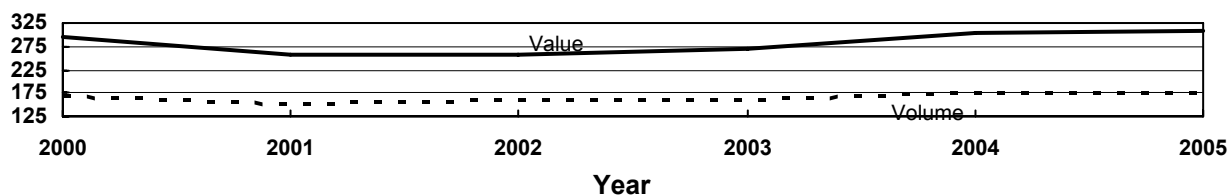
Year/quarter	Canada		Central and South America and Caribbean		Western Europe	
	Volume	Value	Volume	Value	Volume	Value
2000	1,025,912	396,920	252,449	95,557	837,548	528,130
2001	906,295	338,360	194,029	74,051	734,458	446,828
2002	966,314	358,881	175,898	65,455	671,055	401,775
2003	1,016,122	412,212	179,107	72,458	644,136	403,155
2004/1	245,335	108,039	55,144	20,736	171,845	112,912
2004/2	266,788	110,591	54,466	21,785	188,185	118,777
2004/3	267,130	107,467	80,733	33,846	143,688	101,494
2004/4	265,518	105,566	63,367	25,883	174,416	118,853
Total 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
Total 2005	995,131	409,121	286,780 ^r	115,432	664,264	468,040

Year/quarter	Asia		All other		Total	
	Volume	Value	Volume	Value	Volume	Value
2000	725,765	356,099	57,109	31,829	2,898,783	1,408,535
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
2004/1	240,954	106,381	7,918	5,512	721,196	353,581
2004/2	297,169	122,318	9,195	6,499	815,803	379,971
2004/3	220,550	100,702	7,894	5,803	719,995	349,311
2004/4	220,983	103,715	10,212	6,497	734,496	360,513
Total 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
Total 2005	991,093	442,515	43,455	30,196	2,980,723	1,465,302

^r = Revised.

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

1987 = 100



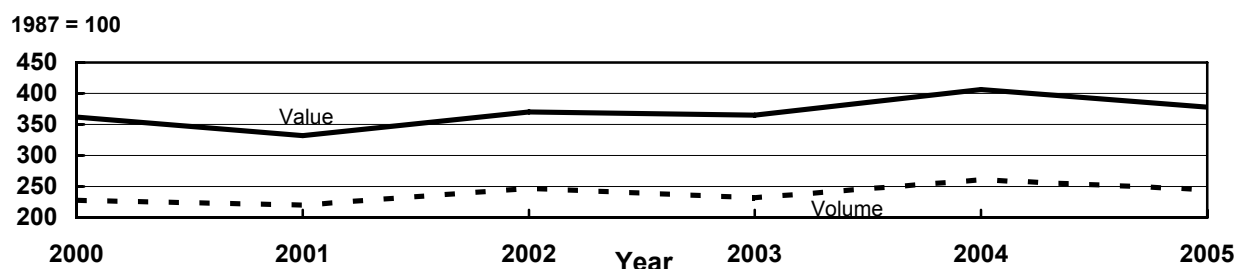
Volume and value index of all U.S. hardwood lumber exports, 2000-2005.

Table 20.—Volume and value of U.S. hardwood veneer exports, by region, 2000-2005
(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
2000	85.1	119,474	11.4	14,960	13.2	185,672
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
2004/1	26.6	37,585	4.1	6,176	31.1	44,764
2004/2	32.4	40,807	5.7	7,025	28.8	41,537
2004/3	29.0	34,333	5.5	6,418	23.5	35,133
2004/4	27.2	33,547	5.1	6,115	28.0	41,948
Total 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
Total 2005	114.1	144,030	22.9	27,463	107.4	164,873

Year/quarter	Asia		All other		Total	
	Volume	Value	Volume	Value	Volume	Value
2000	52.7	69,467	13.1	15,890	293.8	405,462
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
2004/1	19.4	24,612	2.9	3,545	84.1	116,682
2004/2	18.2	23,102	4.4	4,729	89.6	117,199
2004/3	17.4	23,268	2.7	3,359	78.1	102,510
2004/4	20.3	32,534	2.8	3,466	83.5	117,610
Total 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
Total 2005	59.5	74,900	11.0	12,266	314.9	423,531

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



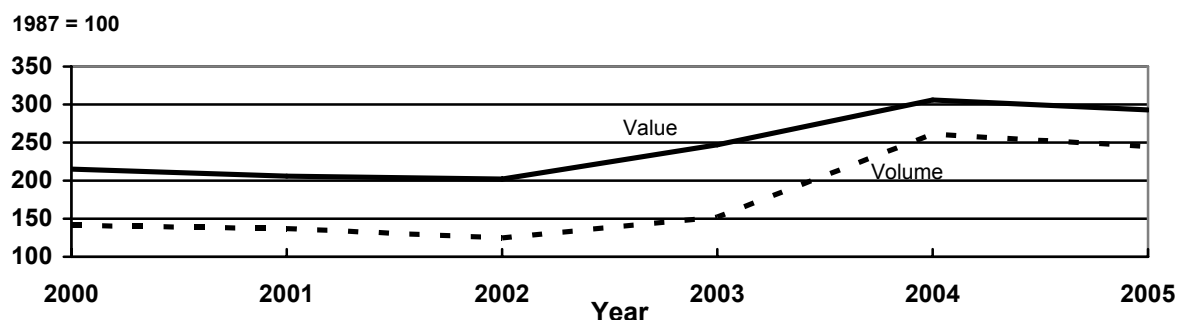
Volume and value index of all U.S. hardwood veneer exports, 2000-2005.

Table 21.—Volume and value of U.S. hardwood plywood exports, by region, 2000-2005
(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
2000	46,942	22,235	19,489	7,154	703	249
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
2004/1	13,772	8,098	10,970	2,227	604	329
2004/2	29,044	8,314	12,607	2,280	1,396	462
2004/3	18,284	6,421	13,729	2,873	456	206
2004/4	23,496	7,287	8,579	2,708	528	207
Total 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
Total 2005	79,013	27,631	42,908	12,033	3,427	1,263

Year/quarter	Asia		All other		Total	
	Volume	Value	Volume	Value	Volume	Value
2000	6,581	1,461	282	112	73,997	31,211
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
2004/1	302	339	47	27	25,695	11,020
2004/2	1,821	1,390	15	11	44,883	12,458
2004/3	1,200	895	29	12	33,698	10,407
2004/4	509	308	121	40	33,233	10,550
Total 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
Total 2005	2,993	1,290	578	309	128,919	42,528

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



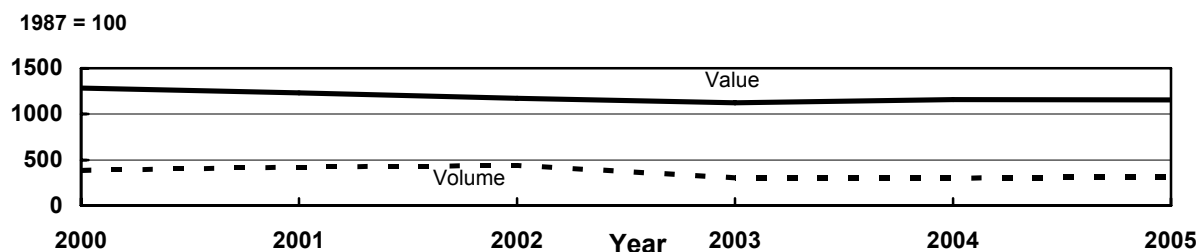
Volume and value index of all U.S. hardwood plywood exports, 2000-2005.

Table 22.—Volume and value of U.S. hardwood log imports, by region, 2000-2005
(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
2000	227,176	41,469	6,322	1,679	1,030	660
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
2004/1	44,556	8,661	2,351	966	159	88
2004/2	40,078	7,993	2,701	1,137	63	109
2004/3	53,273	8,339	2,375	1,169	266	349
2004/4	31,655	7,153	3,031	1,289	551	287
Total 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
Total 2005	168,928	32,066	16,731	5,530	881	961

Year/quarter	Asia and Pacific Ocean		All other		Total	
	Volume	Value	Volume	Value	Volume	Value
2000	1,332	828	4,344	2,064	240,204	46,701
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
2004/1	171	244	540	594	47,777	10,552
2004/2	436	266	1,422	676	44,700	10,180
2004/3	1,113	721	861	713	57,888	11,291
2004/4	432	443	1,218	878	36,887	10,051
Total 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
Total 2005	6,375	651	5,411	2,766	198,326	41,974

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



Volume and value index of all U.S. hardwood log imports, 2000-2005.

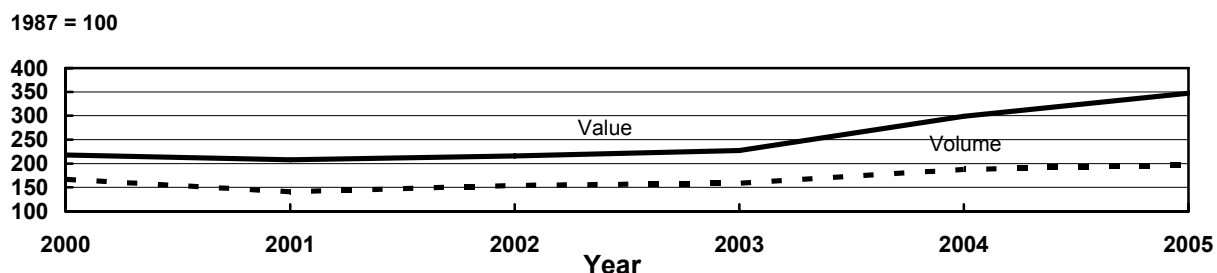
Table 23.—Volume and value of U.S. hardwood lumber imports, by region, 2000-2005
(Cubic meters and thousands of dollars, c.i.f.)

Year/quarter	Canada		Central and South America and Carribean		Africa	
	Volume	Value	Volume	Value	Volume	Value
2000	1,224,411	267,927	294,417	155,872	53,873	30,669
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	294,454	76,129	101,611	47,228	17,706	10,437
2004/2	330,894	91,415	98,340	48,923	21,300	13,132
2004/3	279,576	77,917	102,943	58,081	31,014	19,193
2004/4	267,252	72,316	137,128	70,287	22,962	16,545
Total 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
Total 2005	1,136,254	334,685	477,901	267,322	95,495 ^r	70,524

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
2004/1	34,533	25,801	20,295	7,473	468,599	167,069
2004/2	58,554	34,556	24,521	10,466	533,609	198,491
2004/3	46,767	35,323	23,571	9,491	483,871	200,005
2004/4	33,504	29,985	34,934	11,638	495,780	200,771
Total 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
Total 2005	239,758	157,886	144,998	59,874	2,094,436	889,291 ^r

^r = Revised.

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



Volume and value index of all U.S. hardwood lumber imports, 2000-2005.

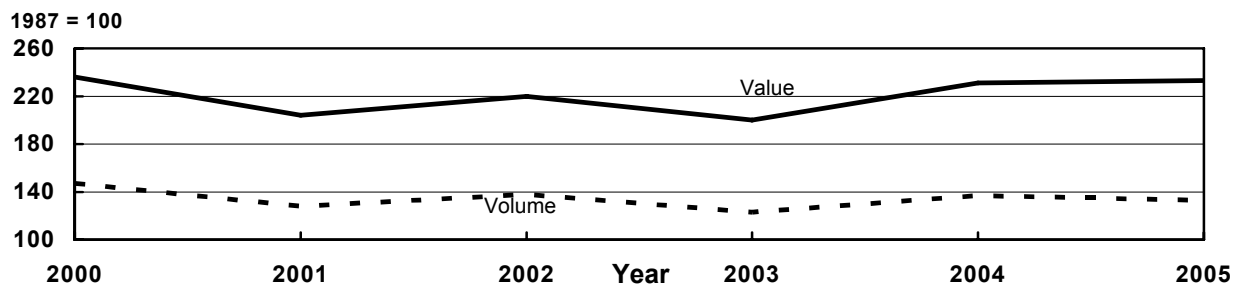
Table 24.—Volume and value of U.S. hardwood veneer imports, by region, 2000-2005

(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
2000	139.7	209,551	28.7	36,165	25.0	26,808
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
2004/1	36.7	53,597	4.3	4,712	6.6	7,161
2004/2	37.0	56,381	4.0	4,249	5.7	6,601
2004/3	29.4	46,250	6.1	6,351	8.2	10,054
2004/4	27.0	41,518	5.4	6,200	6.4	7,536
Total 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
Total 2005	111.2	182,888	28.7	29,016	27.0	33,475

Year/quarter	Asia and Pacific Ocean		All other		Total	
	Volume	Value	Volume	Value	Volume	Value
2000	10.7	16,753	26.2	67,130	230.4	356,407
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
2004/1	1.8	4,518	4.6	15,098	54.1	85,086
2004/2	3.6	6,022	5.1	17,962	55.5	91,215
2004/3	5.2	6,965	6.0	21,108	54.8	90,729
2004/4	5.3	6,636	5.5	19,815	49.6	81,704
Total 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
Total 2005	18.0	28,695	21.8	78,601	207.4	352,674

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



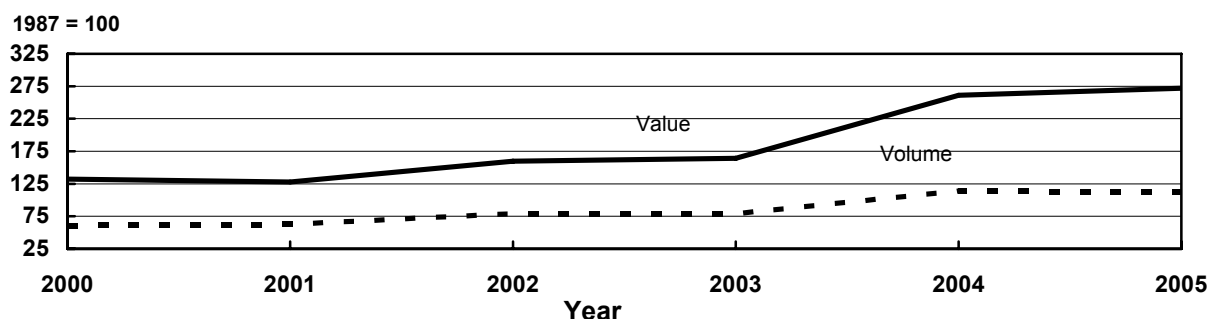
Volume and value index of all U.S. hardwood veneer imports, 2000-2005.

Table 25.—Volume and value of U.S. hardwood plywood imports, by region, 2000-2005
(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
2000	340,356	171,449	337,255	120,789	12,487	4,308
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
2004/1	65,698	38,669	131,973	41,149	3,670	1,274
2004/2	80,920	52,599	144,497	53,479	3,972	1,485
2004/3	75,877	45,967	146,563	57,611	2,258	884
2004/4	76,560	43,051	117,357	50,937	1,037	490
Total 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
Total 2005	342,613	207,205	337,856	144,783	7,025	3,681

Year/quarter	Asia and Pacific Ocean		All other		Total	
	Volume	Value	Volume	Value	Volume	Value
2000	1,046,752	424,576	344,230	131,551	2,081,080	852,673
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
2004/1	461,407	183,862	125,168	56,166	787,916	321,119
2004/2	680,195	285,243	176,789	77,201	1,086,373	470,007
2004/3	684,346	297,922	153,295	68,480	1,062,339	470,864
2004/4	586,760	257,498	151,820	71,262	933,534	423,237
Total 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
Total 2005	2,577,337	1,151,292	544,020	248,075	3,808,851	1,755,034

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



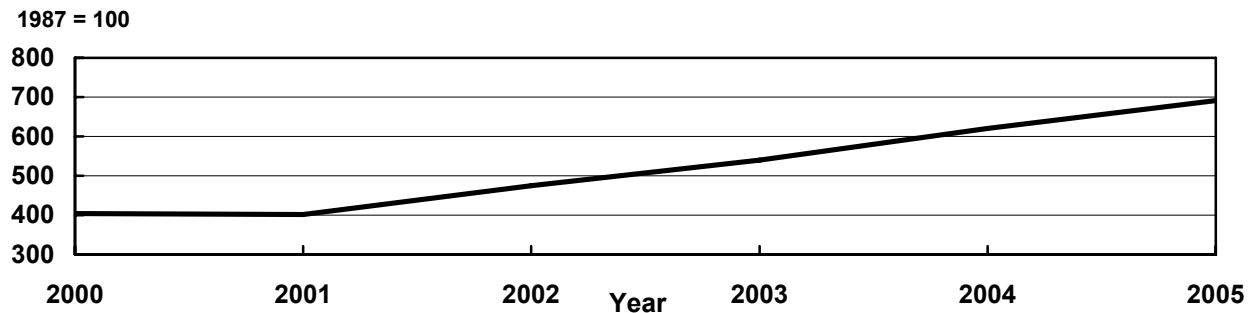
Volume and value index of all U.S. hardwood plywood imports, 2000-2005.

Table 26.—Value of U.S. wood furniture imports, by region, 2000-2005
(Thousands of dollars, c.i.f.)

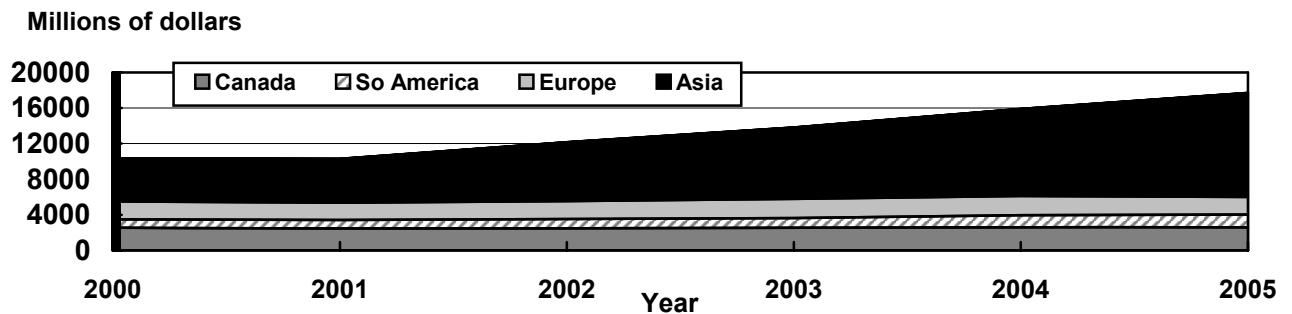
Year/ quarter	Canada	Central and South America and Caribbean	Europe	Asia, Middle East, and Pacific	All other	Total
2000	2,556,924	914,657	2,038,683	4,819,201	40,507	10,369,973
2001	2,486,092	927,366	1,942,661	4,916,402	38,312	10,310,834
2002	2,476,264	1,039,382	2,041,059	6,599,506	33,801	12,190,012
2003	2,530,571	1,098,108	2,155,312	8,042,358	32,454	13,858,803
2004/1	631,549	300,154	529,427	2,132,455	7,017	3,600,601
2004/2	649,668	321,316	547,055	2,520,821	7,718	4,046,572
2004/3	647,323	650,408	530,215	2,370,464	5,871	3,904,279
2004/4	703,788	352,101	556,411	2,746,103	5,973	4,364,375
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
Total 2005	2,601,365	1,424,536	1,974,088	11,701,176 ^r	22,023	17,723,238

^r = Revised.

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



Value index of U.S. furniture imports, 2000-2005.



Value of U.S. furniture imports, by region, 2000-2005.

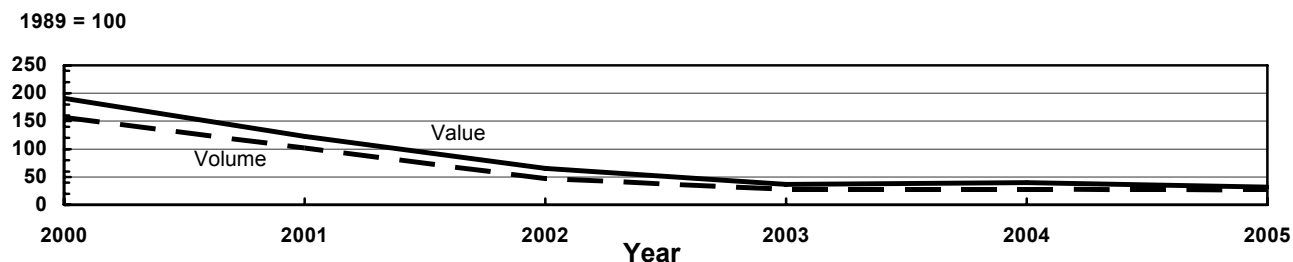
Table 27.—Volume and value of U.S. exports of nonconiferous chips, by region, 2000-2005
(Tons and thousands of dollars, f.a.s.)

Year/quarter	Western Europe		Canada		Japan		Mexico	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value
2000	25,042	10,642	294,118	9,549	2,734,753	217,700	15,001	934
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	567,319	45,042	279	22
2003	31,961	7,605	401,788	13,713	102,116	9,225	74	21
2004/1	31	87	114,739	4,060	85,240	5,634	0	0
2004/2	40,251	1,046	78,087	3,944	32,222	2,812	0	0
2004/3	335	124	75,364	5,295	55,793	3,213	0	0
2004/4	59	123	64,339	4,574	39,464	1,831	0	0
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
Total 2005	6,265	855	252,233	16,351	106,757	9,487	714	57

Year/quarter	Taiwan		Korea		All Other		Total	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value
2000	1,012	612	195,435	11,336	10,355	2,802	3,275,716	253,575
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
2004/1	24	8	0	0	4,931	1,229	204,965	11,017
2004/2	7	4	25,782	3,882	5,989	957	182,338	12,644
2004/3	12	4	41,201	2,160	1,800	657	174,505	11,453
2004/4	36	13	25,659	2,506	1,396	611	130,953	9,658
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
Total 2005	128	62	126,653	10,353	61,213	6,233	553,964	43,397

^r = Revised.

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



Volume and value index of all U.S. exports of nonconiferous chips, 2000-2005.

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

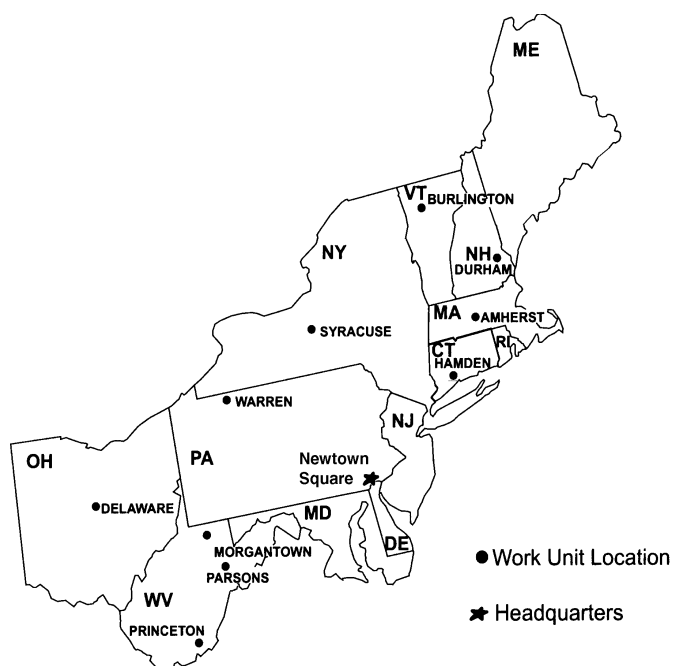
1 Mbf (lumber) = 2.36 cubic meters
1 Mbf* (logs - FAO) = 4.53 cubic meters
1 Mbf** (logs - Doyle scale) = 4.59 cubic meters
1 Mbf** (logs - International 1/4" rule) = 3.48 cubic meters
1 Mbf** (logs - Scribner) = 3.90 cubic meters
1 cubic meter = 35.32 cubic feet
1 ton = 2000 pounds
1 metric ton = 2204.623 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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MANUSCRIPT RECEIVED FOR PUBLICATION 6 JUNE 2006

Published by:
USDA FOREST SERVICE
11 CAMPUS BLVD SUITE 200
NEWTOWN SQUARE PA 19073

July 2006

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