

Forest Service

**Northern Research  
Station**

Research Note NRS-37

**Melody Cochran**



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## Abstract

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

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## 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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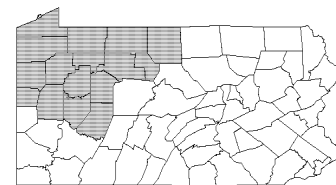
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## HARDWOOD STUMPAGE, LOG, AND LUMBER PRICES

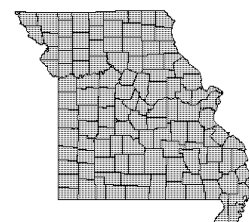
**Table 1—Average hardwood stumpage prices in northwestern Pennsylvania, 2003-2008**



Year/Qtr	Red oak	White oak	Black cherry	Hard maple	Soft maple	Yellow-poplar
<i>Dollars/MBF, International ¼ inch scale</i>						
2003	508	182	1,610	384	184	121
2004	522	213	1,549	356	180	112
2005	436	191	1,608	428	228	112
2006	363	178	1,395	432	225	109
2007	337	258	1,461	366	235	125
2008/1	264	228	1,064	285	182	104
2008/2	264	217	1,007	289	181	97
2008/3	281	299	1,155	299	191	98
2008/4	315	288	1,169	303	206	106
2008 avg.	281	258	1,099	294	190	101

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

**Table 2—Average hardwood stumpage prices in Missouri, statewide, 2003-2008**

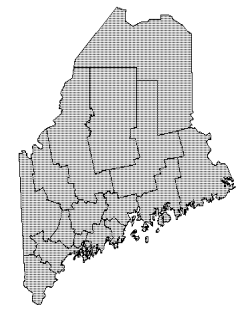


Year/Qtr	Red oak	White oak	Ash	Hickory	Black walnut	Mixed hardwood
<i>Dollars/MBF, International ¼ inch scale</i>						
2003	181	147	85	118	428	136
2004	206	191	139	133	475	118
2005	179	166	NA	135	548	164
2006	200	225	114	135	574	113
2007	206	223	103	149	754	128
2008/1	205	205	NA	135	675	260
2008/2	135	85	NA	105	415	160
2008/3	105	115	NA	165	430	165
2008/4	130	120	NA	90	675	105
2008 avg.	141	131	NA	124	549	173

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

NA = Not available.

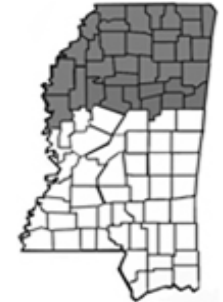
Revision Note: Soft maple and hard maple have been deleted from Table 2 and hickory and black walnut have been added to the table.



**Table 3—Average hardwood stumpage prices in Maine, statewide, 2002-2007**

Year	Red oak	Yellow birch	White ash	Hard maple	Soft maple
<i>Dollars/Mbf, International ¼ inch scale</i>					
2002	230	125	111	168	78
2003	265	153	123	232	103
2004	304	185	118	247	121
2005	278	190	132	275	110
2006	227	169	125	263	115
2007	229	152	133	222	112

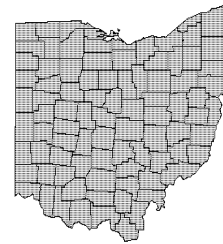
Source: Maine Forest Service, Management and Utilization Division, Augusta.  
Data for 2008 are not yet available.



**Table 4—Average hardwood stumpage prices in the northern region of Mississippi, 2003-2008**

Year/Qtr	Oak	Mixed hardwoods
<i>Dollars/Mbf, Doyle scale</i>		
2003	309	181
2004	324	197
2005	366	196
2006	297	223
2007	264	214
2008/1	258	174
2008/2	321	230
2008/3	NA	NA
2008/4	303	251
2008 avg.	294	218

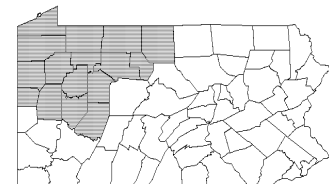
Source: Timber Mart-South; Center for Forest Business; Daniel B. Warnell School of Forest Resources, University of Georgia, Athens.  
NA = Not available.



**Table 5—Average hardwood stumpage prices in Ohio, statewide, 2003-2008**

Year/Season	White oak	Red oak	Cherry	Yellow-poplar
<i>Dollars/Mbf, Doyle scale</i>				
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
2006/spring	319	322	719	175
2006/fall	413	340	781	230
2007/spring	488	318	732	165
2007/fall	411	292	682	187
2008/spring	394	303	603	182
2008/fall	418	327	550	190

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



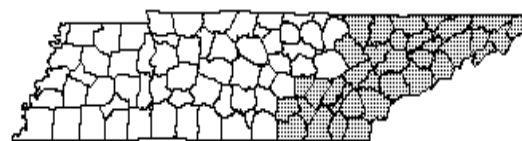
**Table 6—Average hardwood mill prices of Grade 1 logs in northwestern Pennsylvania, 2003-2008**

Year/Qtr	Red oak	White oak	Black cherry	Hard maple	Soft maple	Yellow-poplar
<i>Dollars/Mbf, International ¼ inch scale</i>						
2003	540	298	1,113	476	286	173
2004	533	302	1,298	599	354	198
2005	471	344	NA	836	452	200
2006	465	333	NA	673	414	195
2007	406	408	NA	556	471	219
2008/1	361	383	NA	512	431	195
2008/2	324	413	NA	678	516	221
2008/3	398	472	NA	521	375	160
2008/4	342	363	NA	440	324	171
2008 avg.	356	408	NA	538	412	187

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 eastern Tennessee, 2003-2008**



Year/Qtr	Red oak	White oak	Walnut	Ash	Hard maple	Yellow-poplar
<i>Dollars/Mbf, Doyle scale</i>						
2003	869	628	669	460	591	377
2004	NA	NA	NA	NA	NA	NA
2005	NA	NA	NA	NA	NA	NA
2006	743	711	725	425	673	363
2007	675 <sup>R</sup>	815 <sup>R</sup>	950 <sup>R</sup>	390 <sup>R</sup>	713 <sup>R</sup>	360 <sup>R</sup>
2008/1	640	845	1,000	380	600	365
2008/2	715	910	950	413	772	400
2008/3	715	910	900	415	800	400
2008/4	665	900	890	415	760	385
2008 avg.	684	891	935	406	733	388

NA = Not available.

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

<sup>R</sup> = Data revised from previous report.

**Table 8—Average hardwood mill prices in the northern region of Mississippi, 2003-2008**



Year/Qtr	Oak	Mixed hardwoods
<i>Dollars/Mbf, Doyle Scale</i>		
2003	388	410
2004	NA	374
2005	478	414
2006	416	388
2007	461	375
2008/1	420	392
2008/2	460	379
2008/3	NA	NA
2008/4	454	433
2008 avg.	445	401

NA = Not available.

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



**Table 9—Average hardwood mill prices of red oak logs in Ohio, statewide, 2003-2008**

Year/Season	Average all grades	Grade 1 16 inches	Grade 1	Grade 2	Grade 3
<i>Dollars/Mbf, Doyle scale</i>					
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
2007/spring	375	653	403	231	157
2007/fall	386	604	404	265	168
2008/spring	363	536	405	241	166
2008/fall	385	503	333	214	158

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

**Table 10—Regional Green hardwood lumber prices, 2003-2008**

Year/Qtr	4/4 Appalachian red oak 1C	4/4 Appalachian Poplar 1C	4/4 Appalachian Cherry 1C	4/4 Northern hard maple 1C	4/4 Northern soft maple 1C
<i>Dollars/Mbf</i>					
2003	815	406	1,426	1,008	613
2004	855	395	1,560	1,116	666
2005	689	403	1,376	1,272	794
2006	630	410	1,309	1,235	768
2007	625	375	1,256	1,053	656
2008/1	625	330	1,045	945	600
2008/2	605	330	985	890	585
2008/3	595	350	895	890	585
2008/4	570	370	790	895	545
2008 avg.	599	345	929	905	579

Source: Hardwood Market Report, Memphis, TN



**Table 11—Kiln-dried hardwood Appalachian lumber prices, 2003-2008**

Year/Qtr	4/4 Red oak 1C	4/4 Poplar 1C	4/4 Cherry 1C	4/4 Hard maple 1C	4/4 Soft maple 1C
<i>Dollars/Mbf</i>					
2003 avg.	1,076	553	1,723	NA <sup>R</sup>	860
2004/1	1,168	540	1,920	1,190	880
2004/2	1,183	540	1,960	1,200	920
2004/3	1,185	530	2,015	1,220	955
2004/4	1,118	535	1,965	1,240	965
2004 avg.	1,164	536	1,965	1,213	930
2005/1	1,030	530	1,925	1,290	1,000
2005/2	930	550	1,820	1,360	1,055
2005/3	860	555	1,730	1,350	1,010
2005/4	878	565	1,710	1,345	1,020
2005 avg.	925	550	1,796	1,336	1,021
2006/1	898	570	1,710	1,355	1,020
2006/2	905	575	1,710	1,340	995
2006/3	888	575	1,715	1,350	970
2006/4	885	575	1,675	1,325	915
2006 avg.	894	574	1,703	1,343	975
2007/1	873	550	1,630	1,290	900
2007/2	848	535	1,570	1,220	810
2007/3	850	530	1,485	1,150	770
2007/4	850	515	1,390	1,050	740
2007 avg.	855	533	1,519	1,178	805
2008/1	840	495	1,285	1,125	750
2008/2	840	500	1,220	1,020	720
2008/3	823	520	1,135	1,010	750
2008/4	815	535	980	900	710
2008 avg.	830	513	1,155	1,014	733

NA = Not available.

Source: Weekly Hardwood Review, Charlotte, NC.

Please Note: Table revised to reflect kiln-dried hardwood lumber prices 2004-2008.

Statistics from 2004 to 2007 may be different from those reported in the 2007 issue of the Bulletin of Hardwood Market Statistics due to change in regions reported.

<sup>R</sup> = Data revised from previous report.

## HARDWOOD PRODUCT PRICES, PRODUCTION, AND EMPLOYMENT

**Table 12—Producer price indexes for selected wood industries, 2003-2008**

Year/Qtr	Hardwood lumber	Hardwood dimension	Wood kitchen cabinets	Wood household furniture	Upholstered household furniture	Wood office furniture	All commodities
<i>1982=100</i>							
2003	188.8	190.1	174.4	179.0	152.4	177.8	138.1
2004	199.3	195.6	178.9	180.6	153.4	179.1	146.7
2005	196.7	198.5	183.4	186.2	156.7	182.0	157.4
2006	195.3	199.1	187.6	190.7	163.5	187.2	164.7
2007	192.3	196.6	191.7	193.8	166.8	193.9	172.6
2008/1	189.0	198.6	194.2	195.2	169.6	195.9	183.9
2008/2	186.1	196.6	195.8	198.5	172.3	196.2	196.0
2008/3	183.0	190.3	196.0	201.6	174.7	198.3	200.5
2008/4	180.0	188.7	196.7	204.5	176.8	199.1	178.0
2008 avg.	184.5	193.6	195.7	200.0	173.4	197.4	189.6

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

**Table 13—Value of product shipment of nonupholstered wood household furniture and nonupholstered wood household furniture imports, 2001-2006**

Year	Value of nonupholstered wood household furniture shipments (actual \$) <sup>1</sup>	Value of nonupholstered wood household furniture shipments (1982 \$) <sup>2</sup>	Value of nonupholstered wood household furniture imports (actual \$, c.i.f.) <sup>3</sup>	Value of nonupholstered wood household furniture imports (1982 \$, c.i.f.) <sup>2</sup>	Ratio of imports to shipments <sup>4</sup>
<i>Millions of Dollars</i>					
2001	10,537 <sup>R</sup>	6,073 <sup>R</sup>	6,355	3,663	0.60 <sup>R</sup>
2002	10,196 <sup>R</sup>	5,754 <sup>R</sup>	7,606	4,292	0.75 <sup>R</sup>
2003	9,304 <sup>R</sup>	5,198 <sup>R</sup>	8,350	4,665	0.90 <sup>R</sup>
2004	8,930 <sup>R</sup>	4,945 <sup>R</sup>	9,486	5,252	1.06 <sup>R</sup>
2005	8,896 <sup>R</sup>	4,778 <sup>R</sup>	10,491	5,634	1.18 <sup>R</sup>
2006	8,561 <sup>R</sup>	4,489 <sup>R</sup>	10,872	5,701	1.27 <sup>R</sup>

<sup>1</sup> Source: U.S. Department of Commerce, Washington, DC.

<sup>2</sup> Deflated by wood household furniture price index listed in Table 13.

<sup>3</sup> Source: U.S. Department of Commerce, Bureau of the Census, Washington, DC, and the U.S. International Trade Commission

<sup>4</sup> Developed from columns 1 and 3.

<sup>R</sup> – Data revised from previous report.

**Table 14—Shipments of oak strip flooring, 2003-2008**

Year	Oak strip flooring
<i>Thousands of square feet</i>	
2003	487,498
2004	518,049
2005	527,241
2006	483,145
2007	459,945 <sup>R</sup>
2008	365,367

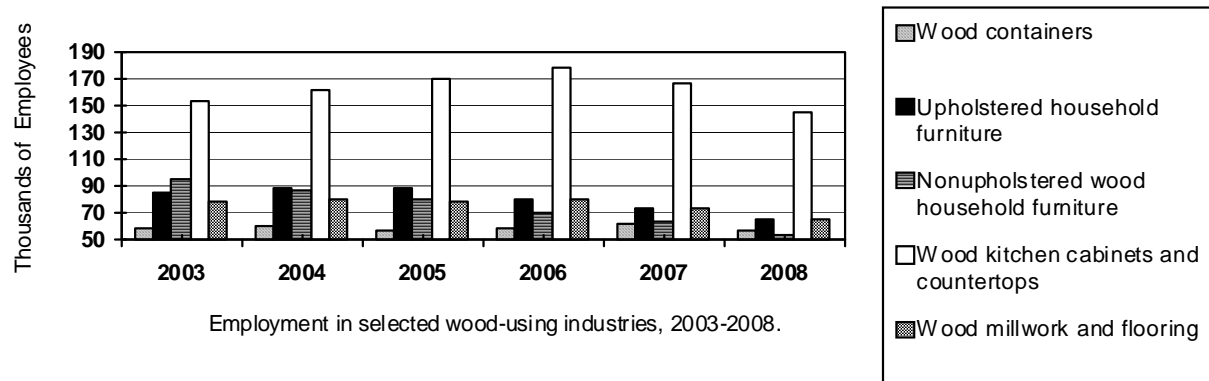
Source: Judd Johnson, Hardwood Market Report, Memphis, TN.  
<sup>R</sup> – Data revised from previous report.

**Table 15—Total employment in selected wood-using industries, 2003-2008**

Year/Qtr	Wood containers	Upholstered household furniture	Nonupholstered wood household furniture	Wood kitchen cabinets and countertops	Cut stock millwork and flooring
<i>Thousands of employees</i>					
2003	59.8	86.1	95.2	153.1	78.3
2004	60.8	88.3	86.3	161.2	80.4
2005	58.5	85.9	79.0	170.3	80.3
2006	58.9	80.9	70.7	177.4	79.7
2007	61.8	74.3	63.5	166.3	74.4
2008/1	58.0	70.6	57.2	154.3	69.1
2008/2	59.2	67.1	55.0	149.7	67.7
2008/3	58.7	62.2	52.3	145.5	65.0
2008/4	53.5	59.3	49.3	132.0	59.6
2008 avg.	57.4	64.8	53.5	145.4	65.4

North American Industrial Classification System.

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



**Table 16—International exchange rate, foreign currency per U.S. dollar, 2003-2008**

Year/Qtr	Malaysia (ringgit)	Mexico (peso)	Singapore (S. dollar)	South Africa (rand)	South Korea (won)	U.K. (pound)
Year/Qtr	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	2.4342	1.2162	8.1976	0.8047	7.7788	110.14
2006	2.1738	1.1344	7.9720	0.7968	7.7681	116.35
2007	1.9469	1.0742	7.6059	0.7282	7.8017	117.8
2008/1	1.7363	1.0038	7.1590	0.6666	7.7940	105.2
2008/2	1.6542	1.0099	6.9572	0.6401	7.7990	104.7
2008/3	1.6686	1.0416	6.8375	0.6658	7.7977	107.6
2008/4	2.2823	1.2118	6.8393	0.7591	7.7533	96.1
2008 avg.	1.8354	1.0668	6.9483	0.6829	7.7860	103.4
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	3.7870	10.91	1.6616	6.3599	1,024.20	0.550
2006	3.6664	10.90	1.5884	6.7649	954.25	0.544
2007	3.4357	10.93	1.5064 <sup>R</sup>	7.0480 <sup>R</sup>	929.06	0.500
2008/1	3.2237	10.80	1.4083	7.5487	955.93	0.505
2008/2	3.2100	10.43	1.3660	7.7676	1017.49	0.507
2008/3	3.3394	10.33	1.3980	7.7839	1065.35	0.529
2008/4	3.5516	13.07	1.4876	9.9380	1363.15	0.652
2008 avg.	3.3312	11.16	1.4150	8.2596	1100.48	0.548

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

<sup>R</sup> - Data revised from previous report.— erroneously reported in 2007 Bulletin.

**Table 17A—Volume and value of U.S. hardwood log exports, by destination region, 2003-2008**

Year	Canada		Central and South America and Caribbean		Europe	
	Volume	Value	Volume	Value	Volume	Value
	<i>Cubic meters and thousands of dollars, f.a.s.</i>					
2003	1,523,966	192,779	27,658	10,553	247,199	119,535
2004	1,395,680	209,500	36,642	12,280	272,159	137,601
2005	1,639,270	202,811	24,363	9,096	229,909	134,705
2006	1,090,455	173,891	21,811	8,506	276,540	167,709
2007	723,221	138,113	43,822	17,105	459,378	289,349
2008	786,231	125,419	32,933	12,366	425,599	260,106

Year	Asia		All other		Total	
	Volume	Value	Volume	Value	Volume	Value
	<i>Cubic meters and thousands of dollars, f.a.s.</i>					
2003	372,451	161,161	6,689	3,844	2,177,963	487,872
2004	463,506	205,037	12,088	5,422	2,180,075	569,840
2005	503,164	236,142	12,525	6,550	2,409,231	589,304
2006	570,106	260,249	13,224	8,054	1,972,136	618,409
2007	758,816	346,358	30,731	18,513	2,016,028	809,438
2008	671,983	309,046	55,575	27,481	1,972,321	734,418

Source: Data obtained from the USDA Foreign Agricultural Service, Washington, DC, and displays revised data from previous report. <http://www.fas.usda.gov/ustrade/USTExFAS.asp?QI>

**Table 17B—Major destinations for U.S. hardwood log exports for 2008 – Volume**

Year/Qtr	<i>Cubic meters</i>								
2008/1	Canada	China	Italy	Vietnam	Germany	Japan	UK	Other	Total
	200,698	86,897	39,496	24,481	21,065	19,474	17,715	97,352	507,178
2008/2	Canada	China	Italy	Germany	Vietnam	UK	Hong Kong	Other	Total
	167,866	107,775	32,117	24,611	24,324	19,498	18,994	119,309	514,494
2008/3	Canada	China	UK	Vietnam	Germany	Italy	Hong Kong	Other	Total
	188,632	100,037	25,759	23,513	16,064	13,054	12,599	98,526	478,184
2008/4	Canada	China	UK	Vietnam	Germany	Italy	Hong Kong	Other	Total
	229,035	66,351	12,111	22,478	17,975	19,604	9,160	95,751	472,465

**Table 17C—Major destinations for U.S. hardwood log exports for 2008 – Value**

Year/Qtr	<i>Thousands of dollars, f.a.s.</i>								
2008/1	China	Canada	Italy	Germany	UK	Spain	Vietnam	Other	Total
	39,183	37,885	17,122	13,370	12,543	10,119	8,881	61,170	200,273
2008/2	China	Canada	Germany	Italy	UK	Hong Kong	Spain	Other	Total
	49,772	29,332	15,939	14,210	13,640	12,283	10,095	64,147	209,418
2008/3	China	Canada	UK	Germany	Vietnam	Italy	Hong Kong	Other	Total
	43,278	26,944	16,289	9,433	8,989	7,990	6,800	52,290	172,013
2008/4	Canada	China	Germany	Italy	Vietnam	Japan	UK	Other	Total
	31,258	27,819	11,535	9,534	8,157	7,479	6,970	49,964	152,716

Source: Data obtained from the USDA Foreign Agricultural Service, Washington, DC, and displays revised data from previous report. <http://www.fas.usda.gov/ustrade/USTExFAS.asp?QI>

**Table 18A—Volume and value of U.S. hardwood lumber exports, by destination region, 2003-2008**

Year	Canada		Central and South America and Caribbean		Europe	
	Volume	Value	Volume	Value	Volume	Value
	<i>Cubic meters and thousands of dollars, f.a.s.</i>					
2003	1,018,587	413,978	187,848	75,782	658,567	410,136
2004	1,053,498	434,938	265,232	106,578	695,490	461,512
2005	996,880	410,235	294,534	119,078	697,708	485,097
2006	919,941	406,745	312,928	136,692	735,902	513,183
2007	834,189	370,430	260,997	114,621	657,306	444,914
2008	696,161	305,072	220,643	96,841	460,932	315,754

Year	Asia		All other		Total	
	Volume	Value	Volume	Value	Volume	Value
	<i>Cubic meters and thousands of dollars, f.a.s.</i>					
2003	806,795	341,132	63,555	43,320	2,735,352	1,284,348
2004	942,043	404,240	72,062	51,785	3,028,325	1,459,053
2005	963,741	422,341	68,836	48,795	3,021,249	1,485,546
2006	1,098,422	522,581	55,986	39,297	3,123,179	1,618,798
2007	933,727	447,905	60,228	44,094	2,746,447	1,421,964
2008	790,516	368,936	61,004	44,275	2,229,256	1,130,878

Source: Data obtained from the USDA Foreign Agricultural Service, Washington, DC, and displays revised data from previous report. <http://www.fas.usda.gov/ustrade/USTExFAS.asp?QI>

**Table 18B—Major destinations for U.S. hardwood lumber exports for 2008 – Volume**

Year/Qtr	<i>Cubic meters</i>								
2008/1	Canada	China	Italy	Mexico	Vietnam	Spain	UK	Other	Total
	187,908	99,442	48,061	47,872	40,370	19,982	18,710	125,481	587,826
2008/2	Canada	China	Mexico	Italy	Vietnam	UK	Spain	Other	Total
	198,908	131,607	63,859	47,016	42,440	19,556	13,576	119,320	636,282
2008/3	Canada	China	Mexico	Vietnam	Italy	UK	Spain	Other	Total
	171,695	119,004	49,660	44,619	30,759	18,702	13,280	171,695	574,864
2008/4	Canada	China	Mexico	Vietnam	Italy	Spain	UK	Other	Total
	137,650	74,920	38,749	30,712	26,334	17,215	12,889	91,815	430,284

**Table 18C—Major destinations for U.S. hardwood lumber exports for 2008 – Value**

Year/Qtr	<i>Cubic meters</i>								
2008/1	Canada	China	Italy	Mexico	Vietnam	UK	SPAIN	Other	Total
	85,001	42,830	24,702	19,600	15,964	13,961	13,717	87,153	302,928
2008/2	Canada	China	Mexico	Italy	Vietnam	UK	Spain	Other	Total
	86,645	58,447	26,067	25,251	15,824	14,049	10,497	81,509	318,289
2008/3	Canada	China	Mexico	Vietnam	Italy	UK	Spain	Other	Total
	75,521	53,341	21,527	17,103	16,936	13,897	8,939	88,251	295,515
2008/4	Canada	China	Mexico	Italy	Vietnam	Spain	UK	Other	Total
	57,906	32,791	15,411	14,498	11,490	10,023	9,281	62,748	214,148

Source: Data obtained from the USDA Foreign Agricultural Service, Washington, DC, and displays revised data from previous report. <http://www.fas.usda.gov/ustrade/USTExFAS.asp?QI>

**Table 19A—Volume and value of U.S. hardwood veneer exports, by destination region, 2003-2008**

Year	Canada		Central and South America and Caribbean		Europe	
	Volume	Value	Volume	Value	Volume	Value
<i>Thousand square meters and thousands of dollars, f.a.s.</i>						
2003	96,061	139,442	14,080	18,100	115,691	164,763
2004	116,022	147,670	21,941	27,602	115,419	169,509
2005	114,657	145,293	25,131	29,431	111,330	171,241
2006	115,651	151,071	23,483	27,761	110,288	173,124
2007	106,476	144,764	17,997	24,527	119,132	194,565
2008	84,933	119,017	16,924	22,190	99,392	161,273

Year	Asia		All other		Total	
	Volume	Value	Volume	Value	Volume	Value
<i>Thousand square meters and thousands of dollars, f.a.s.</i>						
2003	65,279	79,901	11,586	13,840	302,697	416,046
2004	78,322	109,008	12,149	13,930	343,855	467,719
2005	65,819	83,923	11,797	12,950	328,733	442,838
2006	44,610	60,702	12,833	15,587	306,865	428,245
2007	45,610	67,146	12,080	16,580	301,232	447,582
2008	33,460	48,564	16,640	24,206	251,348	375,250

Source: Data obtained from the USDA Foreign Agricultural Service, Washington, DC, and displays revised data from previous report. <http://www.fas.usda.gov/ustrade/USTEXFAS.asp?QI>

**Table 19B—Major destinations for U.S. hardwood veneer exports for 2008 - Volume**

Year/Qtr	<i>Thousand square meters</i>								
2008/1	Canada	Germany	Spain	Italy	China	Mexico	Egypt	Other	Total
	25,471	8,342	5,759	4,664	3,782	3,425	1,721	16,191	69,354
2008/2	Canada	Germany	Spain	Italy	China	Mexico	Egypt	Other	Total
	25,346	10,933	6,910	4,775	3,566	3,445	2,378	17,926	75,279
2008/3	Canada	Germany	Spain	Mexico	China	Egypt	Italy	Other	Total
	19,545	6,536	4,678	3,982	3,880	2,667	2,622	15,481	59,392
2008/4	Canada	Germany	Spain	Mexico	Italy	China	Portugal	Other	Total
	14,571	6,663	3,946	3,040	2,604	2,484	1,669	12,346	47,323

**Table 19C—Major destinations for U.S. hardwood veneer exports for 2008 - Value**

Year/Qtr	<i>Thousands of dollars, f.a.s.</i>								
2008/1	Canada	Germany	Spain	Italy	China	Mexico	Portugal	Other	Total
	35,886	12,957	9,466	8,129	5,483	3,953	2,604	24,491	102,969
2008/2	Canada	Germany	Spain	Italy	China	Mexico	Portugal	Other	Total
	36,300	15,657	11,108	8,292	5,814	4,090	2,867	28,940	113,068
2008/3	Canada	Germany	Spain	China	Italy	Mexico	Egypt	Other	Total
	26,692	9,744	7,868	5,884	5,007	4,964	3,030	24,576	87,765
2008/4	Canada	Germany	Spain	Italy	Mexico	China	Portugal	Other	Total
	20,139	10,212	6,426	4,828	4,139	3,686	2,771	19,249	71,450

Source: Data obtained from the USDA Foreign Agricultural Service, Washington, DC, and displays revised data from previous report. <http://www.fas.usda.gov/ustrade/USTEXFAS.asp?QI>

**Table 20A—Volume and value of U.S. hardwood plywood exports, by destination region, 2003-2008**

Year	Canada		Central and South America and Caribbean		Europe	
	Volume	Value	Volume	Value	Volume	Value
	<i>Cubic meters and thousands of dollars, f.a.s.</i>					
2003	110,198	44,644	39,639	11,999	32,507	5,596
2004	127,970	45,198	73,411	19,149	14,752	2,963
2005	126,009	42,846	73,906	22,189	8,481	2,288
2006	120,610	51,293	46,151	20,788	4,306	1,901
2007	97,312	56,365	47,474	23,924	5,011	2,596
2008	120,243	69,685	42,435	22,554	8,021	4,297

Year	Asia		All other		Total	
	Volume	Value	Volume	Value	Volume	Value
	<i>Cubic meters and thousands of dollars, f.a.s.</i>					
2003	18,218	4,178	1,804	570	202,366	66,987
2004	30,756	6,168	1,219	497	248,108	73,975
2005	32,411	4,768	2,938	577	243,745	72,668
2006	12,419	3,105	1,668	560	185,154	77,647
2007	8,120	4,473	821	537	158,738	87,895
2008	7,395	4,179	1,994	1,377	180,088	102,092

Source: Data obtained from the USDA Foreign Agricultural Service, Washington, DC, and displays revised data from previous report. <http://www.fas.usda.gov/ustrade/USTExFAS.asp?QI>

**Table 20B—Major destinations for U.S. hardwood plywood exports for 2008 - Volume**

Year/Qtr	<i>Cubic meters</i>								
2008/1	Canada	Mexico	Bahamas	Sweden	Leeward <sup>1</sup>	Italy	Neth. Ant. <sup>2</sup>	Other	Total
	28,501	8,856	2,105	1,132	692	552	307	2,494	44,639
2008/2	Canada	Mexico	China	Bahamas	Sweden	Leeward <sup>1</sup>	Germany	Other	Total
	34,523	7,187	2,030	1,442	993	789	509	3,873	51,346
2008/3	Canada	Mexico	China	Sweden	Bahamas	Leeward <sup>1</sup>	Cayman Isl	Other	Total
	32,858	6,544	862	822	741	702	574	4,871	47,974
2008/4	Canada	Mexico	Sweden	Leeward <sup>1</sup>	Bahamas	India	Indonesia	Other	Total
	24,361	6,031	955	706	604	411	323	2,738	36,129

**Table 20C—Major destinations for U.S. hardwood plywood exports for 2008 - Value**

Year/Qtr	<i>Thousands of dollars, f.a.s.</i>								
2008/1	Canada	Mexico	Bahamas	Sweden	Leeward <sup>1</sup>	Italy	Turks <sup>3</sup>	Other	Total
	17,110	4,442	1,189	590	368	208	167	1,419	25,493
2008/2	Canada	Mexico	China	Bahamas	Sweden	Leeward <sup>1</sup>	Germany	Other	Total
	19,634	3,750	1,106	785	517	463	254	2,076	28,585
2008/3	Canada	Mexico	Sweden	China	Leeward <sup>1</sup>	Bahamas	Japan	Other	Total
	19,123	3,476	429	387	384	372	269	3,039	27,479
2008/4	Canada	Mexico	Sweden	Leeward <sup>1</sup>	Bahamas	Singapore	Dom. Rep.	Other	Total
	13,818	3,298	505	380	310	223	179	1,825	20,538

Source: Data obtained from the USDA Foreign Agricultural Service, Washington, DC, and displays revised data from previous report. <http://www.fas.usda.gov/ustrade/USTExFAS.asp?QI>

<sup>1</sup>Leeward – Leeward-Windward Islands – This country is a summarization of its component islands.

<sup>2</sup>Neth. Ant. - Netherlands Antilles – This country is a summarization of its component islands.

<sup>3</sup>Turks – Turks and Caicos Islands.



**Table 21A—Volume and value of U.S. hardwood log imports, by region of origin, 2003-2008**

Year	Canada		Central and South America and Caribbean		Africa	
	Volume	Value	Volume	Value	Volume	Value
	<i>Cubic meters and thousands of dollars, f.a.s.</i>					
2003	169,508	30,951	10,280	3,114	546	562
2004	169,562	30,445	10,458	3,778	1,039	780
2005	167,593	30,335	16,691	4,668	881	880
2006	144,664	26,335	10,577	2,882	2,879	1,725
2007	59,372	17,266	4,869	1,532	2,965	910
2008	59,204	13,487	23,900	1,184	545	699

Year	Asia and Pacific Ocean		All other		Total	
	Volume	Value	Volume	Value	Volume	Value
	<i>Cubic meters and thousand of dollars, f.a.s.</i>					
2003	4,380	1,147	5,217	2,679	189,931	38,453
2004	2,106	1,431	4,087	2,714	187,252	39,148
2005	6,355	507	5,992	2,774	197,512	39,164
2006	1,596	801	18,803	3,086	178,519	34,829
2007	3,867	2,676	2,047	1,611	73,120	23,995
2008	6,355	2,723	59,205	945	149,209	19,038

Source: Data obtained from the USDA Foreign Agricultural Service, Washington, DC, and displays revised data from previous report. <http://www.fas.usda.gov/ustrade/USTEXFAS.asp?QI>

**Table 21B—Major sources of U.S. hardwood log imports for 2008 –Volume**

Year/Qtr	<i>Cubic meters</i>								
2008/1	<b>Canada</b>	<b>Australia</b>	<b>China</b>	<b>Taiwan</b>	<b>Suriname</b>	<b>Mexico</b>	<b>France</b>	<b>Other</b>	<b>Total</b>
	14,996	1,310	604	514	254	210	175	534	18,597
2008/2	<b>Canada</b>	<b>Germany</b>	<b>China</b>	<b>Taiwan</b>	<b>France</b>	<b>UK</b>	<b>Mexico</b>	<b>Other</b>	<b>Total</b>
	15,052	3,911	1,109	438	359	314	257	805	22,245
2008/3	<b>Mexico</b>	<b>Canada</b>	<b>China</b>	<b>France</b>	<b>Japan</b>	<b>Ecuador</b>	<b>Vietnam</b>	<b>Other</b>	<b>Total</b>
	21,115	17,179	742	265	263	217	141	740	40,662
2008/4	<b>France</b>	<b>Canada</b>	<b>China</b>	<b>Mexico</b>	<b>UK</b>	<b>Peru</b>	<b>Denmark</b>	<b>Other</b>	<b>Total</b>
	52,905	11,977	525	504	379	282	207	926	67,705

**Table 21C—Major sources of U.S. hardwood log imports for 2008 - Value**

Year/Qtr	<i>Thousands of dollars, f.a.s.</i>								
2008/1	<b>Canada</b>	<b>China</b>	<b>France</b>	<b>Germany</b>	<b>Taiwan</b>	<b>Mexico</b>	<b>Australia</b>	<b>Other</b>	<b>Total</b>
	4,122	415	192	162	103	61	51	300	5,404
2008/2	<b>Canada</b>	<b>China</b>	<b>France</b>	<b>Germany</b>	<b>UK</b>	<b>Guyana</b>	<b>Nigeria</b>	<b>Other</b>	<b>Total</b>
	3,889	723	363	157	155	102	87	423	5,897
2008/3	<b>Canada</b>	<b>China</b>	<b>France</b>	<b>Mexico</b>	<b>Germany</b>	<b>Vietnam</b>	<b>Ecuador</b>	<b>Other</b>	<b>Total</b>
	2,888	478	289	192	137	66	54	443	4,548
2008/4	<b>Canada</b>	<b>France</b>	<b>China</b>	<b>Thailand</b>	<b>S. Africa</b>	<b>Peru</b>	<b>Nigeria</b>	<b>Other</b>	<b>Total</b>
	2,589	427	337	232	207	144	86	543	4,564

Source: Data obtained from the USDA Foreign Agricultural Service, Washington, DC, and displays revised data from previous report. <http://www.fas.usda.gov/ustrade/USTEXFAS.asp?QI>

**Table 22A—Volume and value of U.S. hardwood lumber imports, by region of origin, 2003-2008**

Year	Canada		Central and South America and Caribbean		Africa	
	Volume	Value	Volume	Value	Volume	Value
	<i>Cubic meters and thousands of dollars, f.a.s.</i>					
2003	1,065,268	248,240	284,712	142,788	56,702	28,774
2004	1,146,511	301,268	415,166	189,124	93,397	52,270
2005	1,116,345	318,123	452,439	221,646	96,197	63,471
2006	825,086	257,153	449,487	237,297	92,252	67,935
2007	780,841	159,112	390,539	236,616	113,099	92,450
2008	321,405	106,903	261,986	212,692	95,644	89,133

Year	Asia and Pacific Ocean		All other		Total	
	Volume	Value	Volume	Value	Volume	Value
	<i>Cubic meters and thousands of dollars, f.a.s.</i>					
2003	84,315	43,283	83,439	26,348	1,574,436	489,433
2004	88,974	63,125	71,748	30,099	1,815,796	635,886
2005	149,603	78,640	80,143	39,599	1,894,727	721,479
2006	160,113	99,018	98,016	48,228	1,624,954	709,631
2007	146,099	106,150	96,757	52,682	1,227,335	647,010
2008	88,538	84,240	84,864	43,249	852,437	536,217

Source: Data obtained from the USDA Foreign Agricultural Service, Washington, DC, and displays revised data from previous report. <http://www.fas.usda.gov/ustrade/USTEXFAS.asp?QI>

**Table 22B—Major sources of U.S. hardwood lumber imports for 2008 - Volume**

Year/Qtr	<i>Cubic meters</i>								
2008/1	Canada	Brazil	Ecuador	Germany	Peru	Cameroon	Uruguay	Other	Total
	91,910	34,253	17,647	14,586	10,885	8,413	8,097	57,232	243,023
2008/2	Canada	Brazil	Ecuador	Germany	China	Peru	CD <sup>1</sup>	Other	Total
	85,555	20,348	16,526	14,679	8,945	8,779	7,815	59,784	222,431
2008/3	Canada	Ecuador	Brazil	China	Germany	Peru	CD <sup>1</sup>	Other	Total
	79,480	20,709	20,244	8,776	7,929	7,282	6,877	56,427	207,724
2008/4	Canada	Ecuador	Brazil	Sweden	Uruguay	CD <sup>1</sup>	Germany	Other	Total
	64,460	19,317	12,788	8,797	7,911	7,402	7,070	51,514	179,259

**Table 22C—Major sources of U.S. hardwood lumber imports for 2008- Value**

Year/Qtr	<i>Thousands of dollars, f.a.s.</i>								
2008/1	Brazil	Canada	Ecuador	Cameroon	Peru	Germany	Malaysia	Other	Total
	39,528	31,575	9,421	8,768	8,201	7,177	6,391	44,198	155,259
2008/2	Canada	Brazil	Ecuador	Cameroon	Peru	Ghana	Germany	Other	Total
	30,060	26,191	8,963	8,089	7,913	7,250	7,230	48,553	144,245
2008/3	Canada	Brazil	Ecuador	Ghana	CD <sup>1</sup>	China	Peru	Other	Total
	26,298	26,119	9,787	6,784	5,756	5,689	5,298	48,894	134,625
2008/4	Canada	Brazil	Ecuador	CD <sup>1</sup>	Cameroon	Ghana	China	Other	Total
	18,968	16,453	7,589	6,020	5,511	4,511	3,911	39,128	102,091

Source: Data obtained from the USDA Foreign Agricultural Service, Washington, DC, and displays revised data from previous report. <http://www.fas.usda.gov/ustrade/USTEXFAS.asp?QI>

<sup>1</sup>CD - Cote D'ivoire

**Table 23A—Volume and value of U.S. hardwood veneer imports, by region or origin, 2003-2008**

Year	Canada		Central and South America and Caribbean		Africa	
	Volume	Value	Volume	Value	Volume	Value
	<i>Thousand square meters and thousands of dollars, f.a.s.</i>					
2003	108,706	164,497	23,526	23,024	26,318	27,478
2004	130,124	195,931	19,645	18,488	26,926	27,388
2005	111,162	181,254	28,663	25,097	27,430	28,990
2006	106,118	180,709	14,448	18,070	21,987	24,686
2007	87,898	162,925	45,397	35,564	25,697	33,398
2008	74,657	130,519	11,434	14,221	20,976	29,080

Year	Asia and Pacific Ocean		All other		Total	
	Volume	Value	Volume	Value	Volume	Value
	<i>Thousand square meters and thousands of dollars, f.a.s.</i>					
2003	15,587	18,461	17,372	55,286	191,509	288,746
2004	15,964	22,233	21,253	71,577	213,912	335,617
2005	18,062	26,564	21,804	75,550	207,122	337,455
2006	16,119	28,342	18,881	71,714	177,552	323,521
2007	23,951	39,313	17,192	73,938	200,135	345,138
2008	18,444	37,513	17,433	75,699	142,944	287,032

Source: Data obtained from the USDA Foreign Agricultural Service, Washington, DC, and displays revised data from previous report. <http://www.fas.usda.gov/ustrade/USTEXFAS.asp?QI>

**Table 23B—Major sources of U.S. hardwood veneer imports for 2008 - Volume**

Year/Qtr	<i>Thousand square meters</i>								
2008/1	Canada	Brazil	China	Ghana	Germany	Italy	CD <sup>1</sup>	Other	Total
	21,456	7,199	3,836	2,784	1,558	1,315	1,025	4,228	43,401
2008/2	Canada	China	Ghana	Germany	CD <sup>1</sup>	Brazil	Italy	Other	Total
	22,698	4,021	3,057	1,913	1,624	1,504	1,358	4,299	40,474
2008/3	Canada	China	Ghana	Germany	Italy	CD <sup>1</sup>	Congo	Other	Total
	16,774	4,258	3,218	1,706	1,468	1,353	659	4,057	33,491
2008/4	Canada	China	Ghana	CD <sup>1</sup>	Germany	Italy	Brazil	Other	Total
	13,729	3,126	1,900	1,202	1,033	1,017	854	2,718	25,579

**Table 23C—Major sources of U.S. hardwood veneer imports for 2008 - Value**

Year/Qtr	<i>Thousands of dollars, f.a.s.</i>								
2008/1	Canada	Italy	Germany	Brazil	China	Ghana	Spain	Other	Total
	37,628	6,519	6,081	5,968	5,693	3,697	1,589	12,534	79,709
2008/2	Canada	Germany	China	Italy	Ghana	CD <sup>1</sup>	Brazil	Other	Total
	37,191	7,082	6,783	6,554	4,330	1,941	1,666	12,944	78,491
2008/3	Canada	Germany	Italy	China	Ghana	CD <sup>1</sup>	Japan	Other	Total
	30,210	8,538	7,787	6,547	4,572	2,041	1,304	11,860	72,859
2008/4	Canada	Italy	Germany	China	Ghana	CD <sup>1</sup>	Brazil	Other	Total
	25,490	5,837	5,272	5,143	2,462	1,809	1,046	8,908	55,967

Source: Data obtained from the USDA Foreign Agricultural Service, Washington, DC, and displays revised data from previous report. <http://www.fas.usda.gov/ustrade/USTEXFAS.asp?QI>

<sup>1</sup>CD - Cote D'ivoire

**Table 24A—Volume and value of U.S. hardwood plywood imports, by region of origin, 2003- 2008**

Year	Canada		Central and South America and Caribbean		Africa	
	Volume	Value	Volume	Value	Volume	Value
	<i>Cubic meters and thousands of dollars, f.a.s.</i>					
2003	315,671	165,382	500,828	130,852	15,618	4,410
2004	292,530	171,991	551,197	172,008	11,508	3,792
2005	327,462	195,898	337,315	124,026	7,547	3,362
2006	280,010	183,147	259,414	120,330	3,307	1,280
2007	202,028	157,868	240,457	123,507	13,188	4,802
2008	152,941	119,322	141,976	95,188	6,570	2,817

Year	Asia		All other		Total	
	Volume	Value	Volume	Value	Volume	Value
	<i>Cubic meters and thousands of dollars, f.a.s.</i>					
2003	1,318,740	424,919	445,363	144,489	2,596,220	870,052
2004	2,339,299	782,529	585,036	206,551	3,779,570	1,336,871
2005	2,373,227	873,115	520,196	202,901	3,565,747	1,399,302
2006	3,001,301	1,224,535	449,742	190,402	3,993,774	1,719,694
2007	2,623,187	1,253,935	359,645	209,745	3,438,505	1,749,857
2008	1,814,459	960,010	273,321	190,926	2,389,267	1,368,263

Source: Data obtained from the USDA Foreign Agricultural Service, Washington, DC, and displays revised data from previous report. <http://www.fas.usda.gov/ustrade/USTEXFAS.asp?QI>

**Table 24B—Major sources of U.S. hardwood plywood imports for 2008 - Volume**

Year/Qtr	<i>Cubic meters</i>								
2008/1	China	Malaysia	Indonesia	Russia	Canada	Brazil	Ecuador	Other	Total
	393,301	65,560	54,548	51,800	41,591	17,535	10,930	46,522	681,787
2008/2	China	Indonesia	Russia	Canada	Malaysia	Brazil	Ecuador	Other	Total
	331,554	56,439	54,694	42,847	34,867	18,986	15,925	36,904	592,216
2008/3	China	Indonesia	Malaysia	Russia	Canada	Brazil	Ecuador	Other	Total
	385,447	56,059	50,897	44,497	34,274	15,205	9,626	46,222	642,227
2008/4	China	Indonesia	Russia	Canada	Malaysia	Ecuador	Brazil	Other	Total
	271,620	43,156	38,283	34,229	32,362	11,950	8,218	33,219	473,037

**Table 24C—Major sources of U.S. hardwood plywood imports for 2008 - Value**

Year/Qtr	<i>Thousands of dollars, f.a.s.</i>								
2008/1	China	Russia	Indonesia	Canada	Malaysia	Brazil	Sweden	Other	Total
	181,103	35,464	34,996	31,341	30,492	16,381	4,988	31,243	366,002
2008/2	China	Russia	Indonesia	Canada	Malaysia	Brazil	Ecuador	Other	Total
	174,128	35,657	34,860	34,211	16,826	15,546	7,327	31,535	350,090
2008/3	China	Indonesia	Canada	Russia	Malaysia	Brazil	Italy	Other	Total
	194,100	37,719	28,181	25,199	23,105	12,212	4,729	31,031	356,277
2008/4	China	Indonesia	Canada	Russia	Malaysia	Brazil	Ecuador	Other	Total
	162,138	31,952	25,589	20,216	16,065	7,895	5,683	26,358	295,894

Source: Data obtained from the USDA Foreign Agricultural Service, Washington, DC, and displays revised data from previous report. <http://www.fas.usda.gov/ustrade/USTEXFAS.asp?QI>

**Table 25A—Furniture and cabinets – Exports to U.S. 1995 – 2008**

Year	Upholstered household furniture	Nonupholstered wood household furniture	Wood office furniture	Wood kitchen cabinets and countertops
<i>Customs value-thousands of dollars</i>				
1995	462,221	2,826,764	387,135	NA
1996	556,242	3,147,215	439,094	NA
1997	687,691	3,615,871	537,320	NA
1998	790,970	4,301,242	655,492	NA
1999	986,019	5,303,127	740,076	NA
2000	1,287,758	6,292,640	903,215	474,043
2001	1,299,590	6,354,806	783,482	526,367
2002	1,626,068	7,605,115	869,035	579,020
2003	2,062,775	8,349,321	992,363	644,306
2004	2,454,719	9,485,586	1,099,466	754,342
2005	2,845,303	10,491,245	1,224,288	795,611
2006	3,167,871	10,872,119	1,357,745	849,589
2007	3,262,075	10,637,706	1,052,177	826,999
2008	2,927,649	9,608,725	1,475,702	668,584

Source: Data obtained from the U.S. Department of Commerce, International Trade Administration, Washington, DC, <http://www.ita.doc.gov/td/ocg/furniture.htm>  
 NA – Data not available from current source for years prior to 2000.

**Table 25B—Nonupholstered household wood furniture - Exports to U.S. 1995 – 2008**

Yea	Largest source	2 <sup>nd</sup> Largest source	3 <sup>rd</sup> Largest source	4 <sup>th</sup> Largest source	5 <sup>th</sup> Largest source	Others	Total
<i>Customs value-thousands of dollars</i>							
1995	<b>Canada</b> 523,203	<b>Taiwan</b> 444,754	<b>China</b> 323,274	<b>Malaysia</b> 270,319	<b>Italy</b> 218,029	<b>1,047,186</b>	<b>2,826,765</b>
1996	<b>Canada</b> 638,227	<b>China</b> 422,933	<b>Taiwan</b> 401,814	<b>Malaysia</b> 329,931	<b>Mexico</b> 242,469	<b>1,111,841</b>	<b>3,147,215</b>
1997	<b>Canada</b> 775,364	<b>China</b> 572,240	<b>Taiwan</b> 378,948	<b>Malaysia</b> 336,324	<b>Mexico</b> 292,990	<b>1,260,005</b>	<b>3,615,871</b>
1998	<b>Canada</b> 947,465	<b>China</b> 794,004	<b>Taiwan</b> 381,677	<b>Mexico</b> 353,747	<b>Malaysia</b> 340,450	<b>1,483,900</b>	<b>4,301,243</b>
1999	<b>Canada</b> 1,182,878	<b>China</b> 1,141,026	<b>Taiwan</b> 402,675	<b>Malaysia</b> 396,404	<b>Italy</b> 392,616	<b>1,787,528</b>	<b>5,303,127</b>
2000	<b>China</b> 1,650,728	<b>Canada</b> 1,368,514	<b>Italy</b> 460,384	<b>Malaysia</b> 399,483	<b>Mexico</b> 392,802	<b>2,020,730</b>	<b>6,292,641</b>
2001	<b>China</b> 1,897,621	<b>Canada</b> 1,306,722	<b>Italy</b> 453,645	<b>Indonesia</b> 376,684	<b>Mexico</b> 372,243	<b>1,947,892</b>	<b>6,354,807</b>
2002	<b>China</b> 2,893,587	<b>Canada</b> 1,267,731	<b>Italy</b> 484,271	<b>Malaysia</b> 414,527	<b>Indonesia</b> 414,180	<b>2,130,820</b>	<b>7,605,116</b>
2003	<b>China</b> 3,592,488	<b>Canada</b> 1,240,398	<b>Italy</b> 479,249	<b>Malaysia</b> 442,595	<b>Indonesia</b> 405,103	<b>2,189,488</b>	<b>8,349,321</b>
2004	<b>China</b> 4,179,478	<b>Canada</b> 1,276,796	<b>Malaysia</b> 521,315	<b>Italy</b> 451,335	<b>Indonesia</b> 422,808	<b>2,633,854</b>	<b>9,485,586</b>
2005	<b>China</b> 4,759,170	<b>Canada</b> 1,288,187	<b>Malaysia</b> 617,446	<b>Vietnam</b> 612,066	<b>Indonesia</b> 480,067	<b>2,734,309</b>	<b>10,491,245</b>
2006	<b>China</b> 5,155,764	<b>Canada</b> 1,286,563	<b>Vietnam</b> 779,400	<b>Malaysia</b> 684,978	<b>Indonesia</b> 494,590	<b>2,470,825</b>	<b>10,872,120</b>
2007	<b>China</b> <b>4,916,220</b>	<b>Canada</b> <b>1,166,412</b>	<b>Vietnam</b> <b>1,055,201</b>	<b>Malaysia</b> <b>670,011</b>	<b>Indonesia</b> <b>492,427</b>	<b>2,337,435</b>	<b>10,637,706</b>
2008	<b>China</b> <b>4,222,510</b>	<b>Vietnam</b> <b>1,259,145</b>	<b>Canada</b> <b>930,296</b>	<b>Malaysia</b> <b>593,112</b>	<b>Indonesia</b> <b>455,086</b>	<b>2,148,576</b>	<b>9,608,725</b>

Source: Data obtained from the U.S. Department of Commerce, International Trade Administration, Washington, DC, <http://www.ita.doc.gov/td/ocg/furniture.htm>

**Table 26A—Volume and value of U.S. exports of nonconiferous chips, by region, 2003-2008**

Year	Europe		Canada		Japan		Mexico	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value
	<i>Tons and thousands of dollars, f.a.s.</i>							
2003	32,087	7,715	411,254	14,016	102,116	9,225	74	21
2004	43,358	3,279	342,629	18,380	212,719	13,490	0	0
2005	6,279	900	303,286	18,370	106,758	9,488	714	56
2006	21,770	1,207	441,497	27,139	117,585	12,274	125	5
2007	38,746	1,561	555,950	33,089	130,553	9,785	57	21
2008	45,398	2,022	454,224	30,989	338,761	21,635	1,443	65

Year	Australia		Korea		Other Areas		Total	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value
	<i>Tons and thousands of dollars, f.a.s.</i>							
2003	3,061	384	76,040	7,495	18,826	6,888	643,458	45,744
2004	3,451	445	92,642	8,548	8,062	1,137	702,861	45,279
2005	4,044	779	146,283	2,453	57,283	5,472	624,647	47,518
2006	9,921	617	93,506	9,945	29,994	2,091	714,398	53,278
2007	8,785	357	76,523	7,645	93,126	5,500	903,740	57,958
2008	17,662	699	160,508	10,652	78,319	3,309	1,096,315	69,371

Source: Data obtained from the USDA Foreign Agricultural Service, Washington, DC, and displays revised data from previous report. <http://www.fas.usda.gov/ustrade/USTEXFAS.asp?QI>

**Table 26B—Major destinations for U.S. nonconiferous chip exports for 2008 – Volume**

Year/Qtr	Tons								
	Canada	Korea	Japan	Chile	Australia	Italy	France	Other	Total
2008/1	109,849	45,438	40,937	27,752	7,238	2,815	2,661	10,199	246,889
2008/2	Canada	Japan	Korea	France	Australia	Portugal	Chile	Other	Total
	140,459	47,590	44,840	7,415	3,695	3,668	2,288	10,818	260,773
2008/3	Japan	Canada	China	France	Chile	HONG KONG	Netherland	Other	Total
	123,501	116,797	12,938	4,205	3,539	3,021	2,863	12,004	278,868
2008/4	Japan	Canada	Korea	Australia	Italy	Panama	Chile	Other	Total
	126,733	87,119	70,230	6,729	2,991	2,669	2,389	10,925	309,785

**Table 26C—Major destinations for U.S. nonconiferous chip exports for 2008 - Value**

Year/Qtr	Thousands of dollars, f.a.s.								
	Canada	Japan	Korea	Chile	Australia	Italy	France	Other	Total
2008/1	7,502	2,552	2,464	1,116	284	115	105	437	14,575
2008/2	Canada	Japan	Korea	France	Australia	Portugal	Chile	Other	Total
	8,563	3,166	2,780	291	149	144	90	505	15,688
2008/3	Canada	Japan	China	Italy	France	Chile	HONG KONG	Other	Total
	8,302	7,662	519	180	172	139	119	606	17,699
2008/4	Japan	Canada	Korea	Australia	Italy	Panama	Chile	Other	Total
	8,255	6,621	5,408	265	118	105	94	542	21,408

Source: Data obtained from the USDA Foreign Agricultural Service, Washington, DC, and displays revised data from previous report. <http://www.fas.usda.gov/ustrade/USTEXFAS.asp?QI>

## 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.

## Helpful internet links used in this publication and available for public reference.

International Trade Administration, Office of Consumer Goods, Household Furniture Imports and Exports:  
<http://www.ita.doc.gov/td/ocg/furniture.htm>

International Trade Administration, Trade Stats Express: <http://tse.export.gov/>

U.S. Department of Agriculture, Foreign Agricultural Service, Current World Production, Market and Trade Reports: <http://www.fas.usda.gov/currwmt.asp>

U.S. Department of Agriculture, Foreign Agricultural Service, U.S. Trade:  
<http://www.fas.usda.gov/ustrade/USTImFAS.asp?QI>

U.S. Department of Agriculture, Forest Service, Southern Research Station, Timber Prices on the Web:  
<http://www.srs.fs.usda.gov/econ/data/prices/>

U.S. Department of Commerce, Bureau of the Census, Business and Industry Economic Statistics:  
<http://www.census.gov/econ/www/index.html>

## 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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