

Hardwood Veneer and Plywood Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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U.S. Department of Commerce
Economics and Statistics Administration
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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
321211, Hardwood veneer and plywood manufacturing	2002.. 303	335	19 618	561 400	16 861	34 298	420 395	1 322 553	1 881 274	3 195 410	77 189
	2001.. N	N	22 522	584 922	19 520	37 856	428 661	1 165 234	2 021 040	3 186 231	152 264
	2000.. N	N	23 775	617 653	20 635	41 483	462 275	1 348 409	2 043 033	3 342 307	178 749
	1999.. N	N	21 968	556 315	19 084	38 534	422 697	1 214 277	1 856 701	3 065 531	100 397
	1998.. N	N	21 236	550 599	18 596	38 780	407 946	1 158 372	1 832 338	2 963 272	76 627
	1997.. 303	331	22 029	523 831	19 220	39 449	389 234	1 121 661	1 751 522	2 861 556	71 305

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
321211, Hardwood veneer and plywood manufacturing												
United States	-	335	183	19 618	561 400	16 861	34 298	420 395	1 322 553	1 881 274	3 195 410	'77 189
Alabama	1	11	9	570	14 298	520	1 109	11 454	29 267	21 852	51 387	'1 768
Arkansas	1	7	4	372	9 642	326	595	7 228	19 971	70 734	90 533	'335
California	3	21	8	562	15 711	505	1 033	11 955	29 978	47 203	77 035	'1 276
Georgia	-	9	5	494	13 757	430	928	10 376	23 929	72 724	95 186	'284
Indiana	1	33	24	2 428	73 932	1 979	4 001	48 997	130 927	185 167	318 002	'7 414
Michigan	-	15	8	1 161	33 740	1 012	2 074	25 512	65 036	104 598	167 290	'4 254
Mississippi	-	7	4	372	11 517	312	664	8 056	12 200	22 684	31 476	'2 701
North Carolina	1	54	33	2 786	74 182	2 428	4 900	56 366	164 977	237 780	402 100	'7 716
Oregon	-	13	9	2 629	91 129	2 345	4 830	75 924	287 492	445 423	726 161	'6 624
Pennsylvania	3	10	6	666	16 364	592	1 175	12 864	33 313	35 879	68 523	'1 451
South Carolina	-	11	6	539	11 386	491	1 064	9 213	76 179	43 849	120 471	'1 694
Texas	3	10	4	149	3 536	88	185	1 713	7 414	7 080	14 612	'136
Virginia	-	12	9	1 072	29 438	890	1 635	21 463	103 351	127 611	231 890	'7 011
Washington	-	8	3	333	11 579	261	437	7 295	20 599	53 057	73 878	'1 357
Wisconsin	2	24	13	1 441	41 188	1 255	2 445	30 137	89 833	97 327	194 338	'9 935

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1-10 to 19 percent; 2-20 to 29 percent; 3-30 to 39 percent; 4-40 to 49 percent; 5-50 to 59 percent; 6-60 to 69 percent; 7-70 to 79 percent; 8-80 to 89 percent; 9-90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
321211, Hardwood veneer and plywood manufacturing	
Companies ¹	number.. 303
All establishments ²	number.. 335
Establishments with 1 to 19 employees	number.. 152
Establishments with 20 to 99 employees	number.. 127
Establishments with 100 employees or more	number.. 56
All employees ³	number.. 19 618
Total compensation	\$1,000.. 714 699
Annual payroll	\$1,000.. 561 400
Total fringe benefits	\$1,000.. 153 299
Production workers, average for year	number.. 16 861
Production workers on March 12	number.. 16 871
Production workers on May 12	number.. 16 907
Production workers on August 12	number.. 16 909
Production workers on November 12	number.. 16 719
Production worker hours	1,000.. 34 298
Production worker wages	\$1,000.. 420 395
Total cost of materials	\$1,000.. 1 881 274
Materials, parts, containers, packaging, etc., used	\$1,000.. 1 754 326
Resales	\$1,000.. 63 780
Purchased fuels	\$1,000.. 16 571
Purchased electricity	\$1,000.. 38 364
Contract work	\$1,000.. 8 233
Quantity of electricity purchased for heat and power	1,000 kWh.. 681 086
Quantity of electricity generated less sold for heat and power	1,000 kWh.. -
Total value of shipments	\$1,000.. 3 195 410
Primary products value of shipments	\$1,000.. 2 902 567
Secondary products value of shipments	\$1,000.. 168 325
Total miscellaneous receipts	\$1,000.. 124 518
Value of resales	\$1,000.. 81 346
Contract receipts	\$1,000.. 25 007
Other miscellaneous receipts	\$1,000.. 18 165
Primary products specialization ratio	percent.. 95
Value of primary products shipments made in all industries	\$1,000.. 3 109 677
Value of primary products shipments made in this industry	\$1,000.. 2 902 567
Value of primary products shipments made in other industries	\$1,000.. 207 110
Coverage ratio	percent.. 93
Value added	\$1,000.. 1 322 553
Total inventories, beginning of year	\$1,000.. 437 608
Finished goods inventories	\$1,000.. 218 254
Work-in-process inventories	\$1,000.. 42 696
Materials and supplies inventories	\$1,000.. 176 658
Total inventories, end of year	\$1,000.. 453 698
Finished goods inventories	\$1,000.. 215 554
Work-in-process inventories	\$1,000.. 53 813
Materials and supplies inventories	\$1,000.. 184 331
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. ¹ 222 080
Total capital expenditures (new and used)	\$1,000.. ⁷⁷ 189
Buildings and other structures (new and used)	\$1,000.. ⁶ 721
Machinery and equipment (new and used)	\$1,000.. ⁷⁰ 468
Automobiles, trucks, etc., for highway use	\$1,000.. ³ 466
Computers and peripheral data processing equipment	\$1,000.. ³ 529
All other expenditures for machinery and equipment	\$1,000.. ⁶³ 473
Total retirements	\$1,000.. ²⁶ 083
Gross value of depreciable assets at end of year	\$1,000.. ¹ 273 186
Depreciation charges during year	\$1,000.. ⁸⁴ 203
Total rental payments	\$1,000.. 21 441
Buildings and other structures	\$1,000.. 12 751
Machinery and equipment	\$1,000.. 8 690
Total other expenses ⁴	\$1,000.. 329 775
Response coverage ratio ⁵	percent.. 86
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 23 509
Communications services ⁴	\$1,000.. 4 247
Legal services ⁴	\$1,000.. 2 710
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 3 231
Advertising and promotional services ⁴	\$1,000.. 3 930
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 1 906
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 3 662
Management consulting and administrative services ⁴	\$1,000.. 4 787
Taxes and license fees ⁴	\$1,000.. 174 970
All other expenses ⁴	\$1,000.. 106 822

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on 2002 Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
321211, Hardwood veneer and plywood manufacturing											
All establishments	—	335	19 618	561 400	16 861	34 298	420 395	1 322 553	1 881 274	3 195 410	'77 189
Establishments with—											
1 to 4 employees	9	69	144	3 934	123	227	2 947	734	13 396	20 241	'370
5 to 9 employees	7	37	260	7 699	215	427	5 526	10 671	22 756	36 004	'723
10 to 19 employees	5	46	f	D	D	D	D	D	D	D	D
20 to 49 employees	3	72	2 447	66 046	2 046	4 119	47 073	131 856	170 293	302 128	'5 602
50 to 99 employees	1	55	3 997	105 416	3 453	7 012	78 509	201 722	255 401	457 603	'7 644
100 to 249 employees	—	41	6 505	183 010	5 685	11 611	137 868	471 499	628 873	1 088 167	'26 597
250 to 499 employees	—	14	4 858	149 811	4 107	8 379	111 624	469 164	580 087	1 045 212	'32 219
500 to 999 employees	—	1	f	D	D	D	D	D	D	D	D
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	112	586	16 864	511	997	12 977	27 271	56 767	83 566	'1 553

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
321211	Hardwood veneer and plywood manufacturing	335	19 618	561 400	16 861	34 298	420 395	1 322 553	1 881 274	3 195 410	'77 189
3212111	Hardwood veneer, including veneer backed with paper, cloth, or other flexible material	90	8 894	239 461	7 604	15 526	172 517	579 095	676 133	1 251 288	'49 073
3212113	Hardwood plywood, except prefinished hardwood plywood made from purchased hardwood plywood	49	6 428	195 805	5 667	11 633	155 923	497 498	896 182	1 382 592	'15 941
3212115	Prefinished hardwood plywood made from purchased hardwood plywood	6	377	10 612	308	578	7 400	55 075	51 649	107 279	D
3212117	Hardwood plywood type products	33	1 976	62 207	1 600	3 304	43 018	117 667	122 956	240 288	D

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
321211	Hardwood veneer and plywood manufacturing	2002.. N 1997.. N	X X	X X	3 109 677 2 741 916
3212111	Hardwood veneer, including veneer backed with paper, cloth, or other flexible material	2002.. N 1997.. N	X X	X X	1 237 222 967 784
32121111	Oak veneer, including veneer backed with paper, cloth, or other flexible material	2002.. N 1997.. N	X X	X X	305 091 301 239
321211111	Oak veneer, including veneer backed with paper, cloth, or other flexible material	2002.. 67 1997.. 64	X X	⁹¹ 837.3 S	305 091 301 239
32121112	Hardwood veneer (other than oak), including veneer backed with paper, cloth, or other flexible material	2002.. N 1997.. N	X X	X X	840 836 512 150
3212111221	Birch veneer, including veneer backed with paper, cloth, or other flexible material	2002.. 22 1997.. 19	X X	S S	95 387 54 455
3212111231	Maple veneer, including veneer backed with paper, cloth, or other flexible material	2002.. 48 1997.. 39	X X	S S	236 789 113 308
3212111241	Walnut veneer, including veneer backed with paper, cloth, or other flexible material	2002.. 29 1997.. 26	X X	S S	35 666 28 572
3212111251	Other domestic hardwood veneers, including veneers backed with paper, cloth, or other flexible material	2002.. 73 1997.. 83	X X	S S	454 121 299 203
3212111261	Imported hardwood veneers, including veneers backed with paper, cloth, or other flexible material	2002.. 16 1997.. 13	X X	^{946.5} S	18 873 16 612
3212111Y	Hardwood veneer, including veneer backed with paper, cloth, or other flexible material, nsk	2002.. N 1997.. N	X X	X X	91 295 154 395
3212111YV	Hardwood veneer, including veneer backed with paper, cloth, or other flexible material, nsk	2002.. N 1997.. N	X X	X X	91 295 154 395
3212113	Hardwood plywood, except prefinished hardwood plywood made from purchased hardwood plywood	2002.. N 1997.. N	X X	X X	1 179 341 1 178 478
32121131	Hardwood plywood, veneer core, except prefinished hardwood plywood made from purchased hardwood plywood	2002.. N 1997.. N	X X	X X	815 928 841 484
321211311	Hardwood plywood, veneer core, except prefinished hardwood plywood made from purchased hardwood plywood	2002.. 43 1997.. 46	X X	⁹¹ 079.6 S	815 928 841 484
32121132	Hardwood plywood (other than veneer core), except prefinished hardwood plywood made from purchased hardwood plywood	2002.. N 1997.. N	X X	X X	326 496 311 276
3212113221	Hardwood plywood, particleboard core, except prefinished hardwood plywood made from purchased hardwood plywood	2002.. 23 1997.. 23	X X	S S	118 977 153 628
3212113231	Hardwood plywood, medium density fiberboard (MDF) core, except prefinished hardwood plywood made from purchased hardwood plywood	2002.. 24 1997.. 23	X X	S S	178 010 139 729
3212113291	Hardwood plywood, other core, including lumber, hardboard, oriented strand board and wafer board, except prefinished hardwood plywood made from purchased hardwood plywood	2002.. 13 1997.. 13	X X	S S	29 509 17 919
3212113Y	Hardwood plywood, except prefinished hardwood plywood made from purchased hardwood plywood, nsk	2002.. N 1997.. N	X X	X X	36 917 25 718
3212113YV	Hardwood plywood, except prefinished hardwood plywood made from purchased hardwood plywood, nsk	2002.. N 1997.. N	X X	X X	36 917 25 718
3212115	Prefinished hardwood plywood made from purchased hardwood plywood	2002.. N 1997.. N	X X	X X	131 971 153 347
32121151	Prefinished hardwood plywood made from purchased hardwood plywood	2002.. N 1997.. N	X X	X X	131 971 153 347
3212115100	Prefinished hardwood plywood made from purchased hardwood plywood	2002.. 11 1997.. 22	X X	S S	131 971 153 347
3212117	Hardwood plywood type products	2002.. N 1997.. N	X X	X X	346 275 215 480
32121171	Hardwood veneered panels, including two-ply veneers	2002.. N 1997.. N	X X	X X	222 551 151 711
3212117111	Hardwood veneered panels, including two-ply veneers	2002.. 45 1997.. 24	X X	S S	222 551 151 711
32121172	Other hardwood plywood type products, including cellular panels and curved and molded plywood	2002.. N 1997.. N	X X	X X	119 023 48 155
3212117291	Other hardwood plywood type products, including cellular panels and curved and molded plywood	2002.. 19 1997.. 21	X X	S S	119 023 48 155
3212117Y	Hardwood plywood type products, nsk	2002.. N 1997.. N	X X	X X	4 701 15 614
3212117YV	Hardwood plywood type products, nsk	2002.. N 1997.. N	X X	X X	4 701 15 614
321211W	Hardwood veneer and plywood manufacturing, nsk, total	2002.. N 1997.. N	X X	X X	214 868 226 827

See footnotes at end of table.

Table 6a. Products Statistics: 2002 and 1997—Con.

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
321211	Hardwood veneer and plywood manufacturing—Con.				
321211W	Hardwood veneer and plywood manufacturing, nsk, total—Con.				
321211WY	Hardwood veneer and plywood manufacturing, nsk, total.....2002..	N	X	X	214 868
	.....1997..	N	X	X	226 827
321211WYWW	Hardwood veneer and plywood manufacturing, nsk, for nonadministrative-record establishments.....2002..	N	X	X	136 153
	.....1997..	N	X	X	141 407
321211WYWY	Hardwood veneer and plywood manufacturing, nsk, for administrative-record establishments.....2002..	N	X	X	78 715
	.....1997..	N	X	X	85 420

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3212111	Hardwood veneer, including veneer backed with paper, cloth, or other flexible material	
	United States	2002.. 1 237 222
	Alabama	1997.. 967 784
	Indiana	2002.. 36 394
	Michigan	1997.. 40 732
	North Carolina	2002.. 184 481
	Pennsylvania	1997.. 149 618
	Virginia	2002.. 103 937
	Wisconsin	1997.. 95 307
	Wisconsin	2002.. 111 380
	Wisconsin	1997.. 113 413
3212113	Hardwood plywood, except prefinished hardwood plywood made from purchased hardwood plywood	
	United States	2002.. 1 179 341
	Alabama	1997.. 1 178 478
	California	2002.. 8 999
	Georgia	1997.. N
	Michigan	2002.. 33 454
	North Carolina	1997.. 29 343
	Oregon	2002.. 85 473
	Oregon	1997.. N
	Oregon	2002.. 24 437
	Oregon	1997.. N
3212115	Prefinished hardwood plywood made from purchased hardwood plywood	
	United States	2002.. 131 971
	Indiana	1997.. 153 347
	Indiana	2002.. 21 241
3212117	Hardwood plywood type products	
	United States	1997.. 30 130
	Alabama	2002.. 346 275
	California	1997.. 215 480
	Indiana	2002.. 11 054
	Mississippi	1997.. N
	North Carolina	2002.. 6 065
	Wisconsin	1997.. N
	Wisconsin	2002.. 99 245
	Wisconsin	1997.. 64 567
	Wisconsin	2002.. 17 448
Wisconsin	1997.. N	
Wisconsin	2002.. 50 011	
Wisconsin	1997.. 17 082	
Wisconsin	2002.. 36 063	
Wisconsin	1997.. 5 710	

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
321211	Hardwood veneer and plywood manufacturing		
00900001	Total materials	X	1 754 326
	.....2002..	X	1 608 033
	.....1997..	X	76 977
11311000	Stumpage cost (cost of timber, excluding land, cut and consumed at same establishment)	X	26 302
	.....2002..	X	332 551
	.....1997..	X	309 087
11331015	Hardwood logs and bolts mil bd ft Intl 1/4 in. scale	P735.8	
	.....2002..	S	
	.....1997..		
11331017	Softwood logs and bolts mil bd ft Intl 1/4 in. scale	D	D
	.....2002..	S	42 344
	.....1997..		564 315
32121105	Hardwood veneer mil sq ft sm	3 210.2	442 298
	.....2002..	S	133 557
	.....1997..	S	93 743
32121203	Softwood veneer mil sq ft (1 in. basis)	882.2	
	.....2002..	S	
	.....1997..		
32121101	Hardwood plywood mil sq ft sm	200.4	62 580
	.....2002..	S	98 729
	.....1997..		51 052
32121903	Particleboard (reconstituted wood) mil sq ft (3/4 in. basis)	P177.6	51 545
	.....2002..	P162.2	
	.....1997..	D	
32121907	Medium density fiberboard (MDF) mil sq ft (3/4 in. basis)	D	D
	.....2002..	S	70 397
	.....1997..		
32552002	Glues and adhesives	X	38 226
	.....2002..	X	N
	.....1997..		
00970099	All other materials and components, parts, containers, and supplies	X	141 111
	.....2002..	X	145 236
	.....1997..	X	296 865
00971000	Materials, ingredients, containers, and supplies, nsk	X	328 352
	.....2002..	X	
	.....1997..		

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.