



# Bulletin of Hardwood Market Statistics: First Half 2000

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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 are intended to provide a general overview of recent trends in the hardwood market for use by hardwood-related industries, forest managers, the academic community, and the general 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 import and export data for hardwood logs, lumber, veneer, and plywood reported here 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. For additional information on the international trade series presented here, please contact Bruce Hansen at 304-431-2739.

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 upon request. Send your comments and requests to David M. Emanuel at the address below.

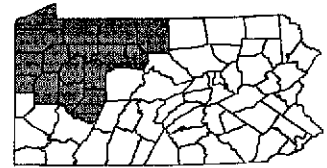
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## Tables Included in This Series of Reports and Frequency of Update

| Number   | Title  | Frequency of update |
|--|--|---------------------|
| <b>Hardwood Stumpage, Log, and Lumber Prices</b>           |  |                     |
| 1  | Average hardwood stumpage prices in northwestern Pennsylvania, 1995-2000                               | Quarterly           |
| 2  | Average hardwood stumpage prices in Missouri, statewide, 1995-2000                                     | Quarterly           |
| 3  | Average hardwood stumpage prices in Maine, statewide, 1994-99  | Yearly              |
| 4  | Average hardwood stumpage prices in the northern and delta and river regions of Mississippi, 1995-2000 | Bi-monthly          |
| 5  | Average hardwood stumpage prices in Ohio, statewide, 1995-2000   | Bi-annual           |
| 6  | Average hardwood mill prices of grade 1 logs in northwestern Pennsylvania, 1995-2000                   | Quarterly           |
| 7  | Average hardwood mill prices of grade 1 logs in Missouri, statewide, 1995-2000                         | Quarterly           |
| 8  | Average hardwood mill prices of grade 1 logs in eastern Tennessee, 1995-2000                           | Quarterly           |
| 9  | Average hardwood mill prices in the northern and delta and river regions of Mississippi, 1995-2000     | Bi-monthly          |
| 10   | Average hardwood mill prices of red oak logs in Ohio, statewide, 1995-2000                             | Bi-annual           |
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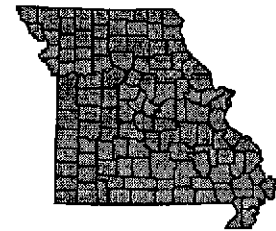
## HARDWOOD STUMPAGE, LOG, AND LUMBER PRICES



**Table 1.--Average hardwood stumpage prices in northwestern Pennsylvania, 1995-2000**  
(Dollars/Mbf, International 1/4" scale)

| Year/quarter | Red oak | White oak | Black cherry | Hard maple | Soft maple | Yellow-poplar |
|--------------|---------|-----------|--------------|------------|------------|---------------|
| 1995         | 499     | 232       | 813          | 190        | 123        | 128           |
| 1996         | 487     | 227       | 790          | 195        | 110        | 112           |
| 1997         | 514     | 227       | 978          | 297        | 163        | 131           |
| 1998         | 520     | 216       | 1,103        | 303        | 175        | 116           |
| 1999/1       | 449     | 196       | 977          | 258        | 155        | 107           |
| 1999/2       | 467     | 187       | 1,362        | 296        | 197        | 138           |
| 1999/3       | 589     | 241       | 1,449        | 369        | 197        | 139           |
| 1999/4       | 513     | 245       | 1,599        | 330        | 179        | 150           |
| 1999 avg.    | 504     | 217       | 1,347        | 313        | 182        | 133           |
| 2000/1       | 501     | 249       | 1,066        | 337        | 175        | 143           |
| 2000/2       | 624     | 241       | 1,458        | 399        | 209        | 166           |
| 2000/3       | ---     | ---       | ---          | ---        | ---        | ---           |
| 2000/4       | ---     | ---       | ---          | ---        | ---        | ---           |
| 2000 avg.    | ---     | ---       | ---          | ---        | ---        | ---           |

Source: Cooperative Extension Service, U.S. Department of Agriculture, The Pennsylvania State University.



**Table 2.--Average hardwood stumpage prices in Missouri, statewide, 1995-2000**  
(Dollars/Mbf, International 1/4" scale)

| Year/quarter | Red oak | White oak | Ash | Hard maple | Soft maple | Mixed hardwoods |
|--------------|---------|-----------|-----|------------|------------|-----------------|
| 1995         | 175     | 142       | 129 | NA         | NA         | 94              |
| 1996         | 146     | 151       | 185 | NA         | NA         | 114             |
| 1997         | 165     | 146       | NA  | NA         | NA         | 86              |
| 1998         | 190     | 175       | NA  | NA         | NA         | 136             |
| 1999/1       | 175     | 220       | 80  | 160        | 130        | 125             |
| 1999/2       | 145     | 135       | 120 | 180        | 125        | 105             |
| 1999/3       | 170     | 235       | 190 | NA         | 150        | 240             |
| 1999/4       | 195     | 290       | 130 | NA         | 400        | 120             |
| 1999 avg.    | 171     | 220       | 130 | NA         | 201        | 147             |
| 2000/1       | 150     | 130       | 105 | 85         | 210        | 165             |
| 2000/2       | 175     | 175       | 190 | NA         | 180        | 55              |
| 2000/3       | ---     | ---       | --- | ---        | ---        | ---             |
| 2000/4       | ---     | ---       | --- | ---        | ---        | ---             |
| 2000 avg.    | ---     | ---       | --- | ---        | ---        | ---             |

NA - Not available

Source: Missouri Department of Conservation, Forestry Division.

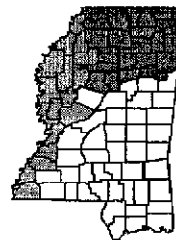
**Table 3.—Average hardwood stumpage prices in Maine, statewide, 1994-99**  
(Dollars/Mbf, International 1/4" scale)



| Year | Red Oak | Yellow Birch | White ash | Hard maple | Soft Maple |
|------|---------|--------------|-----------|------------|------------|
| 1994 | 219     | 96           | 118       | 103        | 53         |
| 1995 | 241     | 99           | 126       | 115        | 56         |
| 1996 | 257     | 109          | 130       | 136        | 63         |
| 1997 | 244     | 113          | 126       | 159        | 77         |
| 1998 | 246     | 120          | 123       | 157        | 83         |
| 1999 | 224     | 119          | 129       | 157        | 85         |

Source: Management and Utilization Division, Maine Forest Service.

**Table 4.—Average hardwood stumpage prices in the northern and delta and river regions of Mississippi, 1995-2000**  
(Dollars/Mbf, Doyle scale)



| Year         | North |                 | Delta and River |                 |
|--------------|-------|-----------------|-----------------|-----------------|
|              | Oak   | Mixed hardwoods | Oak             | Mixed hardwoods |
| 1995         | 220   | 143             | 292             | 138             |
| 1996         | 225   | 147             | 317             | 128             |
| 1997         | 246   | 178             | NA              | 139             |
| 1998         | 301   | 191             | 368             | 154             |
| 1999:        |       |                 |                 |                 |
| Jan-Feb      | 321   | 177             | 391             | 158             |
| Mar-Apr      | 283   | 162             | 381             | 131             |
| May-Jun      | 290   | 184             | 362             | 153             |
| Jul-Aug      | 290   | 180             | 355             | 161             |
| Sep-Oct      | 290   | 205             | 367             | 178             |
| Nov-Dec      | 300   | 191             | 360             | 175             |
| 1999 average | 296   | 183             | 369             | 159             |
| 2000         |       |                 |                 |                 |
| Jan-Feb      | 303   | 185             | 354             | 171             |
| Mar-Apr      | NA    | NA              | NA              | NA              |
| May-Jun      | 290   | 172             | 360             | 173             |
| Jul-Aug      | ---   | ---             | ---             | ---             |
| Sep-Oct      | ---   | ---             | ---             | ---             |
| Nov-Dec      | ---   | ---             | ---             | ---             |
| 2000 average | ---   | ---             | ---             | ---             |

NA - Not available.

Source: Cooperative Extension Service, Mississippi State University, Mississippi State.

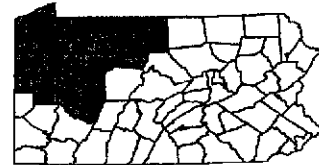
**Table 5.--Average hardwood stumpage prices in Ohio, statewide, 1995-2000**  
(Dollars/Mbf, Doyle scale)



| Year/season | White oak | Red oak | Cherry | Yellow-poplar |
|-------------|-----------|---------|--------|---------------|
| 1995/spring | 340       | 415     | 525    | 210           |
| 1995/fall   | 295       | 350     | 410    | 180           |
| 1996/spring | 310       | 350     | 425    | 170           |
| 1996/fall   | 395       | 420     | 585    | 190           |
| 1997/spring | 295       | 335     | 430    | 180           |
| 1997/fall   | 320       | 365     | 485    | 180           |
| 1998/spring | 305       | 335     | 470    | 195           |
| 1998/fall   | 340       | 485     | 690    | 210           |
| 1999/spring | 340       | 435     | 665    | 205           |
| 1999/fall   | 330       | 440     | 640    | 225           |
| 2000/spring | 370       | 430     | 690    | 235           |
| 2000/fall   | ---       | ---     | ---    | ---           |

Source: Ohio Agricultural Statistics Service, Columbus, OH.

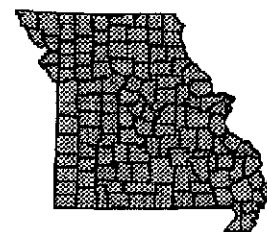
**Table 6.--Average hardwood mill prices of grade 1 logs in northwestern Pennsylvania, 1995-2000**  
(Dollars/Mbf, International 1/4" scale)



| Year/quarter | Red Oak | White Oak | Black Cherry | Hard maple | Soft maple | Yellow-poplar |
|--------------|---------|-----------|--------------|------------|------------|---------------|
| 1995         | 560     | 366       | 734          | 343        | 193        | 174           |
| 1996         | 504     | 370       | 654          | 343        | 205        | 195           |
| 1997         | 516     | 359       | 702          | 412        | 257        | 178           |
| 1998         | 597     | 320       | 966          | 458        | 313        | 198           |
| 1999/1       | 524     | 339       | 922          | 389        | 254        | 155           |
| 1999/2       | 509     | 277       | 900          | 394        | 258        | 162           |
| 1999/3       | 478     | 263       | 897          | 438        | 248        | 162           |
| 1999/4       | 524     | 277       | 973          | 468        | 265        | 170           |
| 1999 avg.    | 509     | 289       | 923          | 422        | 256        | 162           |
| 2000/1       | 535     | 283       | 1,091        | 487        | 264        | 177           |
| 2000/2       | 568     | 291       | 1,099        | 550        | 295        | 232           |
| 2000/3       | ---     | ---       | ---          | ---        | ---        | ---           |
| 2000/4       | ---     | ---       | ---          | ---        | ---        | ---           |
| 2000 avg.    | ---     | ---       | ---          | ---        | ---        | ---           |

Source: Cooperative Extension Service, U.S. Department of Agriculture, The Pennsylvania State University.

**Table 7.--Average hardwood mill prices of grade 1 logs in Missouri, statewide, 1995-2000**  
(Dollars/Mbf, International 1/4" scale)



| Year/quarter | Red Oak | White Oak | Cherry | Ash | Soft maple | Black walnut |
|--------------|---------|-----------|--------|-----|------------|--------------|
| 1995         | 362     | 315       | 383    | 284 | 225        | 609          |
| 1996         | 340     | 315       | 398    | 253 | 254        | 484          |
| 1997         | 445     | 424       | 519    | 376 | 398        | 611          |
| 1998         | 401     | 350       | 419    | 316 | 340        | 440          |
| 1999/1       | 430     | 430       | 455    | 340 | 340        | 445          |
| 1999/2       | 425     | 375       | 635    | 365 | 505        | 405          |
| 1999/3       | 385     | 355       | 600    | 340 | 275        | 580          |
| 1999/4       | 450     | 415       | 845    | 420 | 620        | 455          |
| 1999 avg.    | 422     | 394       | 634    | 366 | 435        | 471          |
| 2000/1       | 380     | 310       | 555    | 280 | 310        | 385          |
| 2000/2       | 400     | 290       | 300    | 300 | 360        | 385          |
| 2000/3       | ---     | ---       | ---    | --- | ---        | ---          |
| 2000/4       | ---     | ---       | ---    | --- | ---        | ---          |
| 2000 avg.    | ---     | ---       | ---    | --- | ---        | ---          |

Source: Missouri Department of Conservation, Forestry Division.

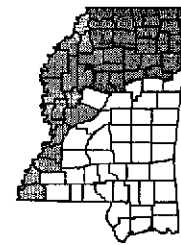
**Table 8.--Average hardwood mill prices of grade 1 logs in eastern Tennessee, 1995-2000**  
(Dollars/Mbf, Doyle scale)



| Year/quarter | Red oak | White Oak | Walnut | Ash | Hard maple | Yellow-poplar |
|--------------|---------|-----------|--------|-----|------------|---------------|
| 1995         | 775     | 700       | 500    | 588 | 363        | 363           |
| 1996         | 713     | 638       | 500    | 550 | 350        | 325           |
| 1997         | 713     | 663       | 500    | 550 | 400        | 350           |
| 1998         | 732     | 669       | 500    | 550 | 419        | 362           |
| 1999/1       | 750     | 675       | 500    | 500 | 437        | 375           |
| 1999/2       | 700     | 625       | 500    | 500 | 437        | 325           |
| 1999/3       | 675     | 575       | 500    | 475 | 437        | 300           |
| 1999/4       | 775     | 600       | 500    | 475 | 437        | 425           |
| 1999 avg.    | 725     | 619       | 500    | 487 | 437        | 356           |
| 2000/1       | 875     | 675       | 500    | 550 | 550        | 438           |
| 2000/2       | 875     | 675       | 500    | 550 | 550        | 450           |
| 2000/3       | ---     | ---       | ---    | --- | ---        | ---           |
| 2000/4       | ---     | ---       | ---    | --- | ---        | ---           |
| 2000 avg.    | ---     | ---       | ---    | --- | ---        | ---           |

Source: The Tennessee Division of Forestry, Utilization Section.

**Table 9.--Average hardwood mill prices in the northern and delta and river regions of Mississippi, 1995-2000**  
(Dollars/Mbf, Doyle scale)



| Year      | North |                 | Delta and River |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Oak   | Mixed hardwoods | Oak             | Mixed hardwoods |
| 1995      | 306   | 212             | 414             | 214             |
| 1996      | 306   | 212             | 414             | 214             |
| 1997      | 326   | 233             | 403             | 227             |
| 1998      | 380   | 262             | 430             | 239             |
| 1999:     |       |                 |                 |                 |
| Jan-Feb   | 385   | 250             | 448             | 249             |
| Mar-Apr   | 375   | 240             | 440             | 225             |
| May-Jun   | 371   | 245             | 437             | 231             |
| Jul-Aug   | 365   | 241             | 430             | 237             |
| Sep-Oct   | 370   | 260             | 425             | 251             |
| Nov-Dec   | 377   | 260             | 425             | 255             |
| 1999 avg. | 374   | 249             | 434             | 241             |
| 2000:     |       |                 |                 |                 |
| Jan-Feb   | 375   | 262             | 429             | 256             |
| Mar-Apr   | NA    | NA              | NA              | NA              |
| May-Jun   | 370   | 260             | 435             | 260             |
| Jul-Aug   | ---   | ---             | ---             | ---             |
| Sep-Oct   | ---   | ---             | ---             | ---             |
| Nov-Dec   | ---   | ---             | ---             | ---             |
| 2000 avg. | ---   | ---             | ---             | ---             |

NA – Not available

Source: Cooperative Extension Service, Mississippi State University.



**Table 10.--Average hardwood mill prices of red oak logs in Ohio, statewide, 1995-2000**  
(Dollars/Mbf, Doyle scale)

| Year/season | Average all grades | Grade 1 16 inches | Grade 1 | Grade 2 | Grade 3 |
|-------------|--------------------|-------------------|---------|---------|---------|
| 1995/spring | 450                | 800               | 510     | 290     | 125     |
| 1995/fall   | 475                | 780               | 470     | 280     | 130     |
| 1996/spring | 425                | 690               | 460     | 255     | 135     |
| 1996/fall   | 520                | 855               | 540     | 295     | 140     |
| 1997/spring | 470                | 795               | 515     | 305     | 145     |
| 1997/fall   | 440                | 745               | 430     | 245     | 145     |
| 1998/spring | 470                | 740               | 420     | 275     | 165     |
| 1998/fall   | 500                | 800               | 515     | 315     | 160     |
| 1999/spring | 460                | 805               | 540     | 275     | 145     |
| 1999/fall   | 510                | 855               | 615     | 305     | 155     |
| 2000/spring | 465                | 860               | 455     | 285     | 130     |
| 2000/fall   | ---                | ---               | ---     | ---     | ---     |

Source: Ohio Agricultural Statistics Service, Co

**Table 11.—Air-dried hardwood lumber prices, 1995-2000**  
(Dollars/Mbf)

| Year/quarter | 4/4 Appalachian<br>red oak<br>1C | 4/4<br>Poplar<br>1C | 4/4<br>Cherry<br>1C | 4/4 Northern<br>hard maple<br>1C | 4/4 Northern<br>soft maple<br>1C |
|--------------|----------------------------------|---------------------|---------------------|----------------------------------|----------------------------------|
| 1995         | 728                              | 370                 | 979                 | 699                              | 524                              |
| 1996         | 705                              | 349                 | 845                 | 698                              | 493                              |
| 1997         | 733                              | 424                 | 878                 | 808                              | 590                              |
| 1998         | 775                              | 405                 | 1,043               | 860                              | 610                              |
| 1999/1       | 775                              | 380                 | 1,135               | 860                              | 580                              |
| 1999/2       | 775                              | 380                 | 1,135               | 860                              | 570                              |
| 1999/3       | 775                              | 380                 | 1,135               | 860                              | 555                              |
| 1999/4       | 780                              | 410                 | 1,135               | 910                              | 570                              |
| 1999 avg.    | 776                              | 387                 | 1,135               | 872                              | 569                              |
| 2000/1       | 780                              | 450                 | 1,135               | 980                              | 610                              |
| 2000/2       | 780                              | 460                 | 1,135               | 980                              | 640                              |
| 2000/3       | ---                              | ---                 | ---                 | ---                              | ---                              |
| 2000/4       | ---                              | ---                 | ---                 | ---                              | ---                              |
| 2000 avg.    | ---                              | ---                 | ---                 | ---                              | ---                              |

Source: By permission from the Hardwood Market Report, Memphis, TN.

**Table 12.—Kiln-dried hardwood lumber prices, 1995-2000**  
(Dollars/Mbf)

| Year/quarter | 4/4 Appalachian<br>red oak<br>1C | 4/4<br>Poplar<br>1C | 4/4<br>Cherry<br>1C | 4/4 Northern<br>hard maple<br>1C | 4/4 Northern<br>soft maple<br>1C |
|--------------|----------------------------------|---------------------|---------------------|----------------------------------|----------------------------------|
| 1995         | 957                              | 515                 | 1,315               | 958                              | 719                              |
| 1996         | 996                              | 499                 | 1,068               | 984                              | 686                              |
| 1997         | 1,063                            | 587                 | 1,131               | 1,123                            | 792                              |
| 1998         | 1,061                            | 541                 | 1,394               | 1,136                            | 798                              |
| 1999/1       | 1,000-1,130                      | 470-520             | 1,500-1,640         | 1,140-1,230                      | 710-780                          |
| 1999/2       | 1,000-1,130                      | 485-535             | 1,560-1,700         | 1,115-1,205                      | 710-780                          |
| 1999/3       | 990-1,135                        | 490-540             | 1,580-1,720         | 1,150-1,240                      | 720-790                          |
| 1999/4       | 990-1,145                        | 540-590             | 1,590-1,730         | 1,320-1,410                      | 760-830                          |
| 1999 avg.    | 1,066                            | 514                 | 1,610               | 1,199                            | 762                              |
| 2000/1       | 995-1,155                        | 565-615             | 1,600-1,740         | 1,415-1,505                      | 800-870                          |
| 2000/2       | 980-1,135                        | 585-635             | 1,570-1,710         | 1,400-1,490                      | 830-900                          |
| 2000/3       | ---                              | ---                 | ---                 | ---                              | ---                              |
| 2000/4       | ---                              | ---                 | ---                 | ---                              | ---                              |
| 2000 avg.    | ---                              | ---                 | ---                 | ---                              | ---                              |

Source: Weekly Hardwood Review, Charlotte, NC.



## HARDWOOD PRODUCT PRICES, PRODUCTION, AND EMPLOYMENT

**Table 13.—Producer price indexes for selected wood industries, 1995-2000**  
(1982=100)

| Year/<br>quarter | Hardwood<br>Lumber | Hardwood<br>dimension | Wood<br>kitchen<br>cabinets | Wood<br>household<br>furniture | Upholstered<br>wood<br>household<br>furniture | Wood<br>office<br>furniture | All<br>commodities |
|------------------|--------------------|-----------------------|-----------------------------|--------------------------------|---|-----------------------------|--------------------|
| 1995             | 167.0              | 173.8                 | 146.5                       | 155.2                          | 137.0   | 149.6                       | 124.7              |
| 1996             | 163.9              | 173.1                 | 150.4                       | 158.3                          | 140.0   | 153.5                       | 127.7              |
| 1997             | 174.1              | 178.5                 | 153.9                       | 160.7                          | 141.7   | 160.6                       | 127.6              |
| 1998             | 178.7              | 180.9                 | 156.9                       | 164.0                          | 143.5   | 164.2                       | 124.4              |
| 1999/1           | 175.6              | 182.4                 | 158.1                       | 166.6                          | 144.6   | 165.9                       | 122.6              |
| 1999/2           | 176.5              | 182.7                 | 159.1                       | 167.1                          | 144.5   | 166.6                       | 124.5              |
| 1999/3           | 176.6              | 183.0                 | 160.4                       | 167.7                          | 145.2   | 168.1                       | 126.9              |
| 1999/4           | 180.5              | 183.8                 | 161.2                       | 168.6                          | 146.3   | 168.8                       | 127.9              |
| 1999 avg.        | 177.3              | 183.0                 | 159.7                       | 167.5                          | 145.2   | 167.3                       | 125.5              |
| 2000/1           | 183.9              | 185.3                 | 162.4                       | 169.2                          | 146.6   | 169.7                       | 129.6              |
| 2000/2           | 186.0              | 187.6                 | 163.8                       | 170.1                          | 147.4   | 170.6                       | 132.0              |
| 2000/3           | ---                | ---                   | ---                         | ---                            | ---   | ---                         | ---                |
| 2000/4           | ---                | ---                   | ---                         | ---                            | ---   | ---                         | ---                |
| 2000 avg.        | ---                | ---                   | ---                         | ---                            | ---   | ---                         | ---                |

Source: Producer Price Indexes, U.S. Department of Labor, Bureau of Labor Statistics.

**Table 14.—Value of domestic wood furniture shipments and wood furniture imports, 1992-97**  
(Millions of dollars)

| Year | Value of <sup>1</sup><br>domestic wood<br>furniture<br>shipments<br>(actual \$) | Value of <sup>2</sup><br>domestic wood<br>furniture<br>shipments<br>(1982 \$) | Value of <sup>3</sup><br>wood furniture<br>imports<br>(actual \$, c.i.f.) | Value of wood <sup>2</sup><br>furniture<br>imports<br>(1982 \$, c.i.f.) | Ratio of <sup>4</sup><br>imports to<br>domestic<br>production |
|------|---|---|---|---|---|
| 1992 | 8,730.4   | 6,294   | 2,884   | 2,079   | .33   |
| 1993 | 9,267.2   | 6,440   | 3,381   | 2,350   | .36   |
| 1994 | 9,221.2   | 6,605   | 4,050   | 2,696   | .41   |
| 1995 | 10,241.5  | 6,599   | 4,451   | 2,868   | .43   |
| 1996 | 10,517.4  | 6,644   | 4,970   | 3,140   | .47   |
| 1997 | 10,929.3  | 6,801   | 5,766   | 3,588   | .53   |

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

<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.

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

**Table 15.—Production of oak strip flooring,  
1994-99**

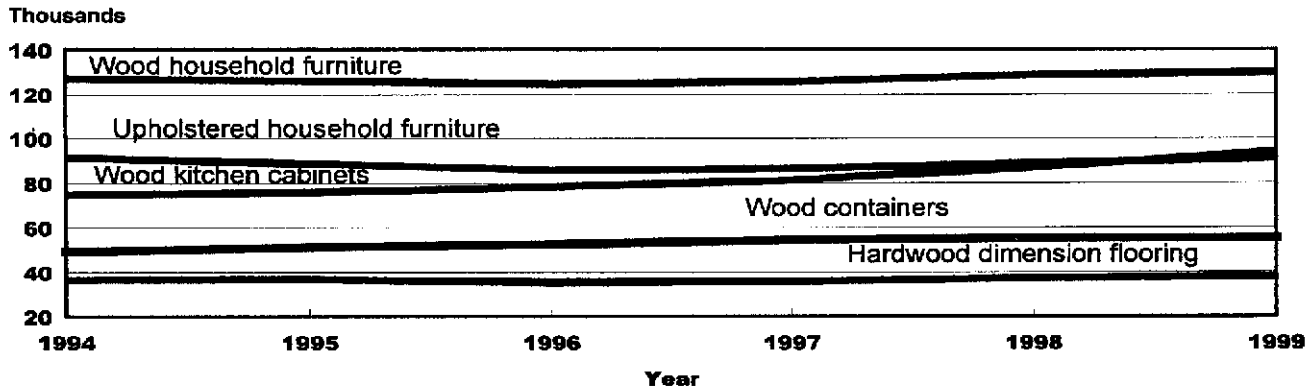
| Year | Oak strip flooring<br>(M feet) |
|------|--------------------------------|
| 1994 | 307,689                        |
| 1995 | 330,212                        |
| 1996 | 367,465                        |
| 1997 | 416,618                        |
| 1998 | 448,971                        |
| 1999 | 536,073                        |

Source: National Oak Flooring Manufacturers Association statistics.

**Table 16.—Employment in selected wood-using industries, 1995-2000  
(Thousands)**

| Year/quarter | Wood<br>containers<br>(SIC 244) | Upholstered<br>household<br>furniture<br>(SIC 2512) | Wood<br>household<br>furniture<br>(SIC 2511) | Wood<br>kitchen<br>cabinets<br>(SIC 2434) | Hardwood<br>dimension<br>and flooring<br>(SIC 2426) |
|--------------|---------------------------------|---|--|---|---|
| 1995         | 51.2                            | 88.8  | 126.3  | 76.0                                      | 36.9  |
| 1996         | 52.4                            | 85.9  | 124.8  | 78.4                                      | 35.5  |
| 1997         | 54.5                            | 86.6  | 126.1  | 81.4                                      | 36.1  |
| 1998         | 55.2                            | 88.9  | 128.7  | 87.0                                      | 37.3  |
| 1999/1       | 54.9                            | 89.8  | 129.8  | 90.7                                      | 37.8  |
| 1999/2       | 55.1                            | 91.0  | 129.7  | 92.8                                      | 37.5  |
| 1999/3       | 55.0                            | 91.4  | 129.6  | 95.4                                      | 37.8  |
| 1999/4       | 54.9                            | 92.0  | 130.5  | 96.3                                      | 38.3  |
| 1999 avg.    | 55.0                            | 91.0  | 129.9  | 93.8                                      | 37.9  |
| 2000/1       | 56.1                            | 96.5  | 132.3  | 98.1                                      | 38.3  |
| 2000/2       | 56.2                            | 97.7  | 132.5  | 99.4                                      | 39.0  |
| 2000/3       | ---                             | ---   | ---  | ---                                       | ---   |
| 2000/4       | ---                             | ---   | ---  | ---                                       | ---   |
| 2000 avg.    | ---                             | ---   | ---  | ---                                       | ---   |

Source: U.S. Department of Labor.



Employment in selected wood-using industries, 1994-1999.

**INTERNATIONAL HARDWOOD PRODUCT TRADE**

**Table 17.—International exchange rate, foreign currency per U.S. dollar, 1995-2000**

| Year/qtr. | Belgium<br>(franc) | Brazil<br>(real) | Canada<br>(dollar) | China<br>(yuan) | France<br>(franc) | Germany<br>(mark) | Hong<br>Kong<br>(H.K. \$) | Italy<br>(lira) |
|-----------|--------------------|------------------|--------------------|-----------------|-------------------|-------------------|---------------------------|-----------------|
| 1995      | 29.493             | 0.9174           | 1.3727             | 8.3709          | 4.9889            | 1.4331            | 7.7357                    | 1,628.9         |
| 1996      | 30.968             | 1.0052           | 1.3637             | 8.3387          | 5.1158            | 1.5048            | 7.7345                    | 1,542.6         |
| 1997      | 35.789             | 1.0779           | 1.3849             | 8.3193          | 5.8361            | 1.7339            | 7.7430                    | 1,703.0         |
| 1998      | 36.301             | 1.1604           | 1.4836             | 8.3006          | 5.8979            | 1.7593            | 7.7466                    | 1,736.4         |
| 1999/1    | 35.957             | 1.7813           | 1.5116             | 8.2779          | 5.8467            | 1.7433            | 7.7490                    | 1,725.8         |
| 1999/2    | 38.173             | 1.7182           | 1.4729             | 8.2786          | 6.2073            | 1.8508            | 7.7534                    | 1,832.3         |
| 1999/3    | 38.457             | 1.8623           | 1.4864             | 8.2774          | 6.2533            | 1.8645            | 7.7635                    | 1,845.9         |
| 1999/4    | 38.880             | 1.9148           | 1.4724             | 8.2784          | 6.3221            | 1.8850            | 7.7714                    | 1,866.2         |
| 1999 avg. | 37.867             | 1.8192           | 1.4858             | 8.2781          | 6.1574            | 1.8359            | 7.7593                    | 1,817.6         |
| 2000/1    | 40.890             | 1.7749           | 1.4535             | 8.2786          | 6.6492            | 1.9825            | 7.7818                    | 1,962.7         |
| 2000/2    | 42.055             | 1.7887           | 1.4670             | 8.2784          | 6.8386            | 2.0390            | 7.7863                    | 2,018.6         |
| 2000/3    | ---                | ---              | ---                | ---             | ---               | ---               | ---                       | ---             |
| 2000/4    | ---                | ---              | ---                | ---             | ---               | ---               | ---                       | ---             |
| 2000 avg. | ---                | ---              | ---                | ---             | ---               | ---               | ---                       | ---             |

| Year/qtr. | Japan<br>(yen) | Malaysia<br>(ringgit) | Mexico<br>(peso) | Singapore<br>(S.dollar) | South<br>Africa<br>(rand) | South<br>Korea<br>(won) | Spain<br>(pesetas) | U.K.<br>(pound) |
|-----------|----------------|-----------------------|------------------|-------------------------|---------------------------|-------------------------|--------------------|-----------------|
| 1995      | 94.11          | 2.5080                | 6.44             | 1.4176                  | 3.6276                    | 772.90                  | 124.68             | 0.634           |
| 1996      | 108.81         | 2.5158                | 7.60             | 1.4099                  | 4.3004                    | 805.16                  | 126.68             | 0.641           |
| 1997      | 121.09         | 2.8178                | 7.92             | 1.4857                  | 4.6081                    | 953.15                  | 146.45             | 0.611           |
| 1998      | 130.82         | 3.9248                | 9.15             | 1.6721                  | 5.5315                    | 1,404.20                | 149.37             | 0.604           |
| 1999/1    | 116.48         | 3.8000                | 9.96             | 1.7029                  | 6.1071                    | 1,197.89                | 148.30             | 0.612           |
| 1999/2    | 120.83         | 3.8000                | 9.45             | 1.7121                  | 6.1292                    | 1,192.26                | 157.45             | 0.623           |
| 1999/3    | 113.15         | 3.8000                | 9.37             | 1.6903                  | 6.1016                    | 1,196.14                | 158.62             | 0.624           |
| 1999/4    | 104.40         | 3.8000                | 9.47             | 1.6734                  | 6.1319                    | 1,173.02                | 160.36             | 0.613           |
| 1999 avg. | 113.72         | 3.8000                | 9.56             | 1.6947                  | 6.1175                    | 1,189.83                | 156.18             | 0.618           |
| 2000/1    | 107.00         | 3.8000                | 9.40             | 1.6979                  | 6.3064                    | 1,125.71                | 168.66             | 0.623           |
| 2000/2    | 106.85         | 3.8000                | 9.49             | 1.7100                  | 6.5843                    | 1,120.81                | 173.46             | 0.637           |
| 2000/3    | ---            | ---                   | ---              | ---                     | ---                       | ---                     | ---                | ---             |
| 2000/4    | ---            | ---                   | ---              | ---                     | ---                       | ---                     | ---                | ---             |
| 2000 avg. | ---            | ---                   | ---              | ---                     | ---                       | ---                     | ---                | ---             |

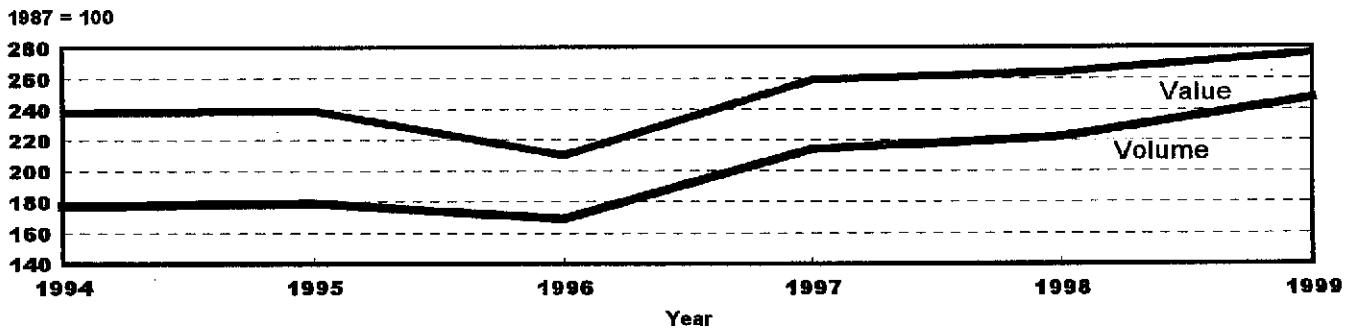
Source: Federal Reserve Bank of St. Louis and Federal Reserve Board of Governors

**Table 18.—Volume and value of U.S. hardwood log exports, by region, 1995-2000**  
(Cubic meters and thousands of dollars, f.a.s.)

| Year/qtr.  | Canada    |         | Central & South<br>America<br>and Caribbean |       | Western Europe |        |
|------------|-----------|---------|---|-------|----------------|--------|
|            | Volume    | Value   | Volume                                      | Value | Volume         | Value  |
| 1995       | 769,115   | 98,818  | 9,924                                       | 4,249 | 175,673        | 77,016 |
| 1996       | 731,598   | 86,852  | 10,897                                      | 4,022 | 139,267        | 57,415 |
| 1997       | 973,348   | 119,098 | 19,108                                      | 7,803 | 181,380        | 74,850 |
| 1998       | 1,082,888 | 136,527 | 17,286                                      | 7,587 | 198,647        | 87,903 |
| 1999/1     | 364,193   | 42,915  | 5,096                                       | 1,629 | 60,740         | 26,396 |
| 1999/2     | 285,380   | 34,118  | 4,578                                       | 1,976 | 55,175         | 26,484 |
| 1999/3     | 289,464   | 32,947  | 5,960                                       | 2,140 | 19,683         | 10,059 |
| 1999/4     | 297,610   | 36,904  | 6,273                                       | 2,282 | 55,092         | 23,678 |
| Total 1999 | 1,236,647 | 146,884 | 21,907                                      | 8,027 | 190,690        | 86,617 |
| 2000/1     | 365,354   | 48,032  | 2,742                                       | 1,232 | 74,021         | 30,630 |
| 2000/2     | 290,960   | 36,852  | 3,417                                       | 1,243 | 101,353        | 37,347 |
| 2000/3     | ---       | ---     | ---   | ---   | ---            | ---    |
| 2000/4     | ---       | ---     | ---   | ---   | ---            | ---    |
| Total 2000 | ---       | ---     | ---   | ---   | ---            | ---    |

| Year/qtr.  | Asia    |         | All other |       | Total     |         |
|------------|---------|---------|-----------|-------|-----------|---------|
|            | Volume  | Value   | Volume    | Value | Volume    | Value   |
| 1995       | 254,395 | 101,376 | 2,127     | 701   | 1,211,234 | 282,159 |
| 1996       | 263,746 | 99,784  | 759       | 301   | 1,146,627 | 248,373 |
| 1997       | 271,016 | 103,944 | 2,741     | 565   | 1,447,593 | 306,260 |
| 1998       | 198,787 | 79,644  | 1,473     | 442   | 1,499,081 | 312,104 |
| 1999/1     | 71,673  | 26,517  | 901       | 494   | 502,603   | 97,951  |
| 1999/2     | 72,267  | 25,821  | 476       | 332   | 417,876   | 88,731  |
| 1999/3     | 21,297  | 8,051   | 766       | 356   | 337,170   | 53,553  |
| 1999/4     | 55,998  | 22,875  | 645       | 363   | 415,618   | 86,103  |
| Total 1999 | 221,235 | 83,264  | 2,788     | 1,545 | 1,673,267 | 326,338 |
| 2000/1     | 75,756  | 29,850  | 898       | 522   | 518,771   | 110,267 |
| 2000/2     | 85,973  | 30,607  | 1,078     | 556   | 482,781   | 106,604 |
| 2000/3     | ---     | ---     | ---       | ---   | ---       | ---     |
| 2000/4     | ---     | ---     | ---       | ---   | ---       | ---     |
| Total 2000 | ---     | ---     | ---       | ---   | ---       | ---     |

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



Volume and value index of all U.S. hardwood log exports, 1994-1999.

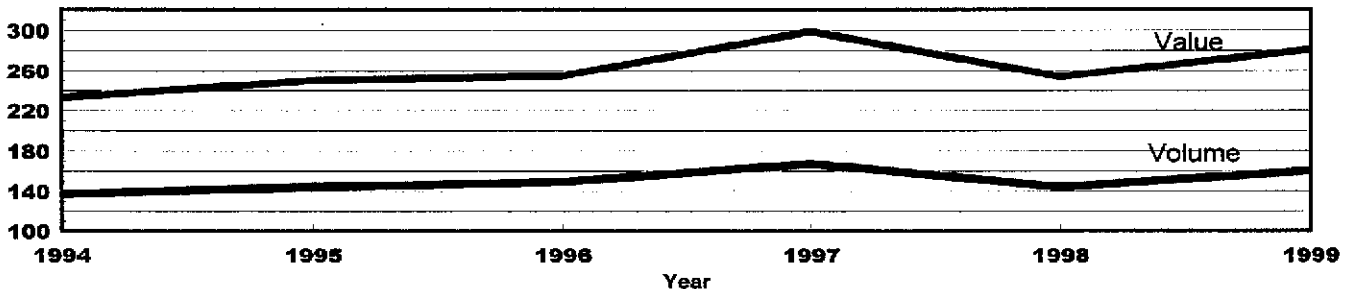
**Table 19.—Volume and value of U.S. hardwood lumber exports, by region, 1995-2000**  
(Cubic meters and thousands of dollars, f.a.s.)

| Year/qtr.  | Canada  |         | Central & South America<br>and Caribbean |         | Western Europe |         |
|------------|---------|---------|--|---------|----------------|---------|
|            | Volume  | Value   | Volume                                   | Value   | Volume         | Value   |
| 1995       | 792,871 | 257,536 | 162,041                                  | 60,576  | 738,626        | 458,409 |
| 1996       | 826,421 | 261,974 | 189,335                                  | 72,827  | 729,924        | 460,988 |
| 1997       | 902,051 | 331,544 | 178,757                                  | 71,538  | 918,843        | 566,264 |
| 1998       | 811,902 | 301,438 | 207,545                                  | 85,194  | 836,528        | 520,776 |
| 1999/1     | 241,809 | 86,561  | 54,671                                   | 23,798  | 204,987        | 130,115 |
| 1999/2     | 247,340 | 88,997  | 56,520                                   | 25,107  | 212,189        | 134,124 |
| 1999/3     | 225,612 | 84,102  | 64,042                                   | 26,802  | 179,125        | 112,874 |
| 1999/4     | 235,828 | 88,181  | 61,795                                   | 24,944  | 204,701        | 130,655 |
| Total 1999 | 950,589 | 347,841 | 237,028                                  | 100,651 | 801,002        | 507,768 |
| 2000/1     | 279,767 | 109,299 | 54,948                                   | 21,389  | 235,073        | 152,169 |
| 2000/2     | 267,959 | 103,297 | 61,643                                   | 23,602  | 217,311        | 137,777 |
| 2000/3     | ---     | ---     | ---                                      | ---     | ---            | ---     |
| 2000/4     | ---     | ---     | ---                                      | ---     | ---            | ---     |
| Total 2000 | ---     | ---     | ---                                      | ---     | ---            | ---     |

| Year/qtr.  | Asia    |         | All other |        | Total     |           |
|------------|---------|---------|-----------|--------|-----------|-----------|
|            | Volume  | Value   | Volume    | Value  | Volume    | Value     |
| 1995       | 715,575 | 380,197 | 57,127    | 30,089 | 2,466,240 | 1,186,811 |
| 1996       | 736,854 | 377,847 | 65,541    | 35,119 | 2,548,075 | 1,208,754 |
| 1997       | 788,020 | 408,338 | 75,266    | 43,287 | 2,862,937 | 1,420,971 |
| 1998       | 555,887 | 267,596 | 54,276    | 31,876 | 2,466,138 | 1,206,880 |
| 1999/1     | 149,813 | 76,310  | 10,956    | 6,753  | 662,236   | 323,538   |
| 1999/2     | 182,241 | 87,682  | 11,496    | 7,383  | 709,786   | 343,294   |
| 1999/3     | 192,343 | 94,655  | 16,193    | 9,428  | 677,315   | 327,861   |
| 1999/4     | 178,689 | 88,686  | 12,210    | 7,273  | 693,223   | 339,739   |
| Total 1999 | 703,086 | 347,333 | 50,855    | 30,837 | 2,742,560 | 1,334,432 |
| 2000/1     | 173,056 | 86,621  | 12,885    | 7,851  | 755,729   | 377,328   |
| 2000/2     | 194,518 | 95,331  | 10,676    | 6,441  | 752,107   | 366,448   |
| 2000/3     | ---     | ---     | ---       | ---    | ---       | ---       |
| 2000/4     | ---     | ---     | ---       | ---    | ---       | ---       |
| Total 2000 | ---     | ---     | ---       | ---    | ---       | ---       |

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

1987 = 100



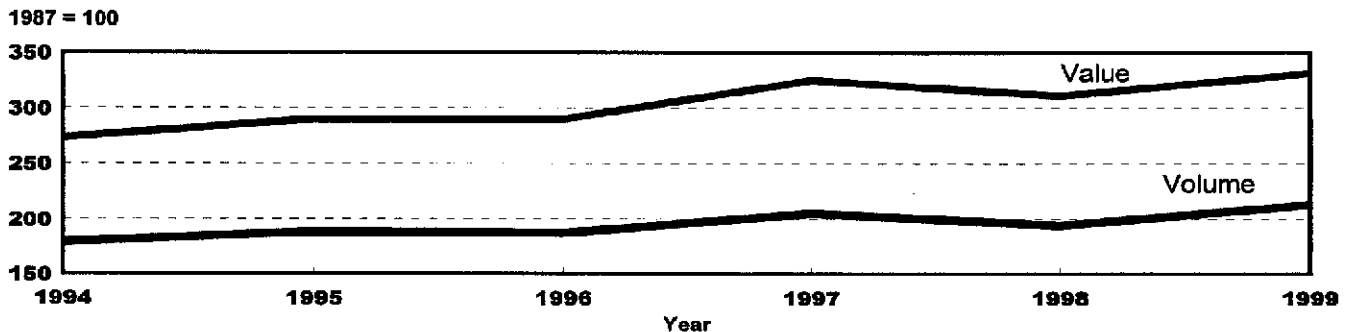
Volume and value index of all U.S. hardwood lumber exports, 1994-1999.

**Table 20.--Volume and value of U.S. hardwood veneer exports, by region, 1995-2000**  
(Million square meters and thousands of dollars, f.a.s.)

| Year/qtr.  | Canada |         | Central & South America<br>and Caribbean |        | Western Europe |         |
|------------|--------|---------|--|--------|----------------|---------|
|            | Volume | Value   | Volume                                   | Value  | Volume         | Value   |
| 1995       | 33.6   | 42,405  | 9.1                                      | 12,053 | 141.4          | 182,733 |
| 1996       | 40.3   | 55,014  | 7.9                                      | 10,722 | 140.5          | 175,426 |
| 1997       | 52.0   | 73,034  | 12.1                                     | 14,456 | 143.6          | 190,785 |
| 1998       | 58.8   | 82,705  | 9.0                                      | 12,357 | 137.7          | 184,799 |
| 1999/1     | 17.4   | 24,148  | 2.1                                      | 3,107  | 31.7           | 43,615  |
| 1999/2     | 18.5   | 25,253  | 2.9                                      | 3,877  | 36.1           | 47,973  |
| 1999/3     | 17.4   | 23,987  | 2.1                                      | 2,873  | 29.9           | 39,800  |
| 1999/4     | 21.4   | 28,815  | 3.9                                      | 5,036  | 34.4           | 46,424  |
| Total 1999 | 74.7   | 102,203 | 11.0                                     | 14,893 | 132.1          | 177,812 |
| 2000/1     | 22.1   | 31,739  | 3.2                                      | 3,862  | 32.3           | 46,026  |
| 2000/2     | 22.6   | 31,510  | 3.1                                      | 4,171  | 35.8           | 51,749  |
| 2000/3     | ---    | ---     | ---                                      | ---    | ---            | ---     |
| 2000/4     | ---    | ---     | ---                                      | ---    | ---            | ---     |
| Total 2000 | ---    | ---     | ---                                      | ---    | ---            | ---     |

| Year/qtr.  | Asia   |        | All other |        | Total  |         |
|------------|--------|--------|-----------|--------|--------|---------|
|            | Volume | Value  | Volume    | Value  | Volume | Value   |
| 1995       | 45.7   | 56,694 | 11.3      | 13,864 | 241.2  | 307,749 |
| 1996       | 41.7   | 54,490 | 9.8       | 12,353 | 240.2  | 308,008 |
| 1997       | 45.4   | 66,564 | 10.3      | 12,580 | 263.5  | 357,418 |
| 1998       | 36.1   | 46,955 | 8.4       | 10,475 | 249.9  | 337,291 |
| 1999/1     | 7.5    | 9,362  | 2.3       | 2,735  | 61.0   | 82,967  |
| 1999/2     | 10.9   | 13,543 | 2.7       | 3,110  | 71.0   | 93,756  |
| 1999/3     | 12.0   | 15,235 | 2.0       | 2,167  | 63.4   | 84,061  |
| 1999/4     | 15.6   | 21,088 | 3.6       | 4,167  | 79.0   | 105,529 |
| Total 1999 | 46.0   | 59,228 | 10.6      | 12,179 | 274.4  | 366,313 |
| 2000/1     | 13.3   | 16,589 | 3.2       | 4,121  | 74.1   | 102,337 |
| 2000/2     | 15.5   | 21,188 | 3.2       | 4,083  | 80.1   | 112,701 |
| 2000/3     | ---    | ---    | ---       | ---    | ---    | ---     |
| 2000/4     | ---    | ---    | ---       | ---    | ---    | ---     |
| Total 2000 | ---    | ---    | ---       | ---    | ---    | ---     |

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



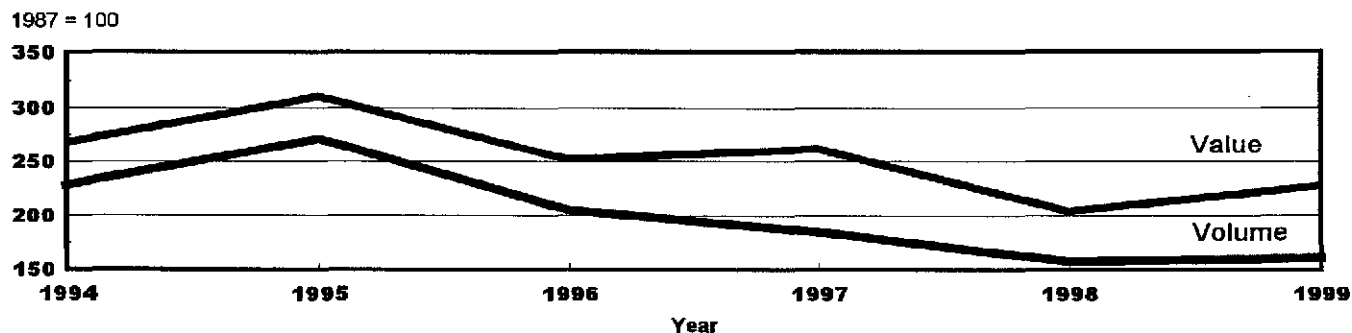
Volume and value index of all U.S. hardwood veneer exports, 1994 -1999.

**Table 21.--Volume and value of U.S. hardwood plywood exports, by region, 1995-2000**  
(Cubic meters and thousands of dollars, f.a.s.)

| Year/qtr.  | Canada |        | Central & South America<br>and Caribbean |        | Western Europe |       |
|------------|--------|--------|--|--------|----------------|-------|
|            | Volume | Value  | Volume                                   | Value  | Volume         | Value |
| 1995       | 80,503 | 23,657 | 28,036                                   | 8,623  | 5,563          | 3,901 |
| 1996       | 68,628 | 23,946 | 26,678                                   | 8,478  | 1,154          | 611   |
| 1997       | 59,500 | 23,930 | 23,617                                   | 8,298  | 5,513          | 1,505 |
| 1998       | 56,942 | 19,427 | 19,654                                   | 7,257  | 911            | 263   |
| 1999/1     | 10,734 | 4,213  | 9,036                                    | 3,298  | 90             | 20    |
| 1999/2     | 14,030 | 5,793  | 8,733                                    | 3,026  | 905            | 210   |
| 1999/3     | 15,056 | 5,868  | 6,574                                    | 2,497  | 213            | 84    |
| 1999/4     | 10,216 | 4,210  | 5,961                                    | 2,340  | 71             | 23    |
| Total 1999 | 50,036 | 20,084 | 30,304                                   | 11,161 | 1,279          | 337   |
| 2000/1     | 15,569 | 6,785  | 4,698                                    | 2,049  | 180            | 68    |
| 2000/2     | 11,763 | 5,692  | 4,992                                    | 1,884  | 251            | 61    |
| 2000/3     | ---    | ---    | ---                                      | ---    | ---            | ---   |
| 2000/4     | ---    | ---    | ---                                      | ---    | ---            | ---   |
| Total 2000 | ---    | ---    | ---                                      | ---    | ---            | ---   |

| Year/qtr.  | Asia   |       | All other |       | Total   |        |
|------------|--------|-------|-----------|-------|---------|--------|
|            | Volume | Value | Volume    | Value | Volume  | Value  |
| 1995       | 28,464 | 8,693 | 657       | 256   | 143,223 | 45,133 |
| 1996       | 9,418  | 3,078 | 2,389     | 442   | 108,267 | 36,558 |
| 1997       | 7,732  | 4,028 | 1,188     | 288   | 97,550  | 38,049 |
| 1998       | 4,699  | 2,444 | 880       | 224   | 83,086  | 29,616 |
| 1999/1     | 592    | 382   | 229       | 126   | 20,681  | 8,039  |
| 1999/2     | 745    | 328   | 58        | 19    | 24,471  | 9,377  |
| 1999/3     | 981    | 296   | 0         | 0     | 22,824  | 8,746  |
| 1999/4     | 273    | 186   | 141       | 39    | 16,662  | 6,798  |
| Total 1999 | 2,591  | 1,192 | 428       | 184   | 84,638  | 32,960 |
| 2000/1     | 398    | 176   | 32        | 8     | 20,877  | 9,086  |
| 2000/2     | 1,194  | 331   | 32        | 11    | 18,232  | 7,979  |
| 2000/3     | ---    | ---   | ---       | ---   | ---     | ---    |
| 2000/4     | ---    | ---   | ---       | ---   | ---     | ---    |
| Total 2000 | ---    | ---   | ---       | ---   | ---     | ---    |

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



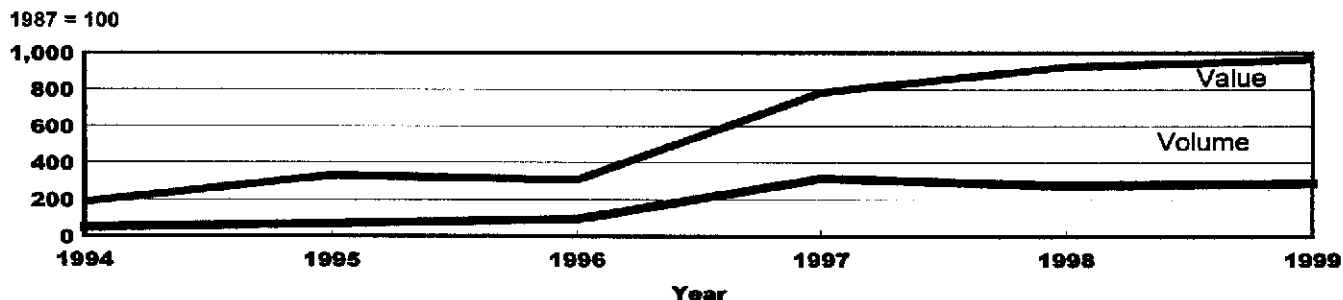
Volume and value index of all U.S. hardwood plywood exports, 1994-1999.

**Table 22.--Volume and value of U.S. hardwood log imports, by region, 1995-2000**  
(Cubic meters and thousands of dollars, c.i.f.)

| Year/qtr.  | Canada  |        | Central & South America<br>and Caribbean |       | Africa |       |
|------------|---------|--------|--|-------|--------|-------|
|            | Volume  | Value  | Volume                                   | Value | Volume | Value |
| 1995       | 40,913  | 7,218  | 346                                      | 89    | 957    | 413   |
| 1996       | 56,333  | 10,153 | 591                                      | 158   | 0      | 0     |
| 1997       | 187,856 | 24,710 | 3,751                                    | 1,235 | 855    | 698   |
| 1998       | 163,840 | 29,594 | 5,901                                    | 1,368 | 816    | 253   |
| 1999/1     | 50,241  | 8,696  | 4,329                                    | 348   | 385    | 139   |
| 1999/2     | 37,693  | 7,237  | 1,267                                    | 403   | 375    | 124   |
| 1999/3     | 33,064  | 6,374  | 1,178                                    | 392   | 340    | 139   |
| 1999/4     | 46,480  | 8,478  | 539                                      | 229   | 359    | 165   |
| Total 1999 | 167,478 | 30,785 | 7,313                                    | 1,372 | 1,459  | 567   |
| 2000/1     | 41,389  | 11,608 | 2,460                                    | 422   | 96     | 108   |
| 2000/2     | 44,013  | 8,497  | 1,443                                    | 572   | 244    | 151   |
| 2000/3     | ---     | ---    | ---                                      | ---   | ---    | ---   |
| 2000/4     | ---     | ---    | ---                                      | ---   | ---    | ---   |
| Total 2000 | ---     | ---    | ---                                      | ---   | ---    | ---   |

| Year/qtr.  | Asia and Pacific Ocean |       | All other |       | Total   |        |
|------------|------------------------|-------|-----------|-------|---------|--------|
|            | Volume                 | Value | Volume    | Value | Volume  | Value  |
| 1995       | 1,818                  | 3,719 | 1,003     | 572   | 45,037  | 12,014 |
| 1996       | 283                    | 147   | 1,607     | 627   | 58,814  | 11,084 |
| 1997       | 635                    | 398   | 3,815     | 1,487 | 196,912 | 28,529 |
| 1998       | 734                    | 569   | 2,444     | 1,857 | 173,735 | 33,642 |
| 1999/1     | 96                     | 81    | 2,117     | 413   | 57,168  | 9,677  |
| 1999/2     | 375                    | 347   | 471       | 424   | 40,181  | 8,534  |
| 1999/3     | 270                    | 341   | 551       | 297   | 35,403  | 7,542  |
| 1999/4     | 181                    | 165   | 748       | 410   | 48,307  | 9,447  |
| Total 1999 | 922                    | 934   | 3,887     | 1,544 | 181,059 | 35,200 |
| 2000/1     | 219                    | 141   | 1,407     | 624   | 45,571  | 12,902 |
| 2000/2     | 441                    | 371   | 1,233     | 649   | 47,374  | 10,239 |
| 2000/3     | ---                    | ---   | ---       | ---   | ---     | ---    |
| 2000/4     | ---                    | ---   | ---       | ---   | ---     | ---    |
| Total 2000 | ---                    | ---   | ---       | ---   | ---     | ---    |

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



Volume and value index of all U.S. hardwood log imports, 1994-1999.

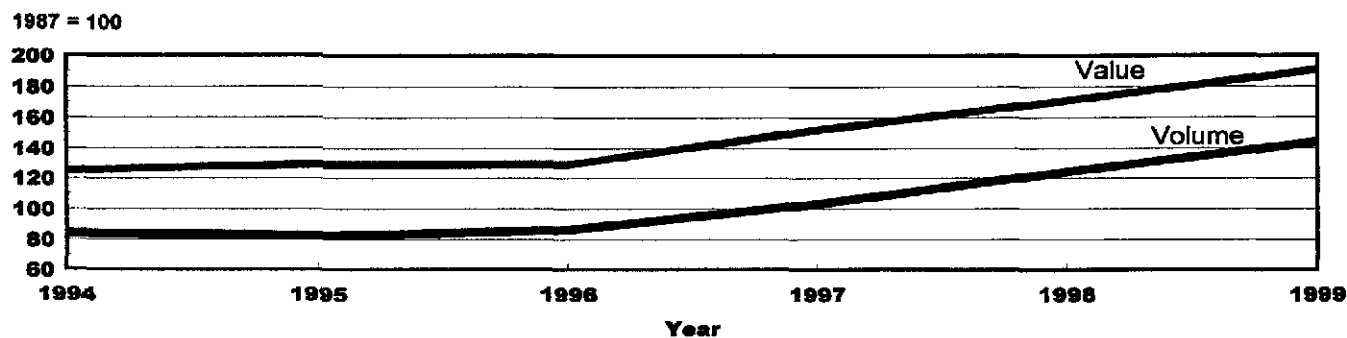


**Table 23.--Volume and value of U.S. hardwood lumber imports, by region, 1995-2000**  
(Cubic meters and thousands of dollars, c.i.f.)

| Year/qtr.  | Canada    |         | Central & South America<br>and Caribbean |         | Africa |        |
|------------|-----------|---------|--|---------|--------|--------|
|            | Volume    | Value   | Volume                                   | Value   | Volume | Value  |
| 1995       | 496,266   | 117,122 | 249,044                                  | 133,422 | 11,074 | 7,936  |
| 1996       | 547,729   | 132,162 | 220,355                                  | 119,595 | 26,683 | 11,927 |
| 1997       | 710,436   | 176,154 | 214,958                                  | 114,149 | 28,971 | 16,309 |
| 1998       | 925,435   | 206,859 | 251,840                                  | 138,606 | 33,125 | 19,406 |
| 1999/1     | 287,530   | 60,508  | 68,614                                   | 34,123  | 6,838  | 4,292  |
| 1999/2     | 253,862   | 57,593  | 59,560                                   | 34,197  | 9,002  | 5,199  |
| 1999/3     | 277,180   | 62,953  | 59,831                                   | 32,422  | 8,165  | 4,795  |
| 1999/4     | 284,070   | 64,893  | 69,068                                   | 42,888  | 6,131  | 3,868  |
| Total 1999 | 1,102,642 | 245,947 | 257,073                                  | 143,630 | 30,136 | 18,154 |
| 2000/1     | 320,288   | 71,563  | 64,708                                   | 37,594  | 9,896  | 5,818  |
| 2000/2     | 305,740   | 69,253  | 71,338                                   | 37,973  | 14,522 | 8,013  |
| 2000/3     | ---       | ---     | ---                                      | ---     | ---    | ---    |
| 2000/4     | ---       | ---     | ---                                      | ---     | ---    | ---    |
| Total 2000 | ---       | ---     | ---                                      | ---     | ---    | ---    |

| Year/qtr.  | Asia and Pacific Ocean |        | All other |       | Total     |         |
|------------|------------------------|--------|-----------|-------|-----------|---------|
|            | Volume                 | Value  | Volume    | Value | Volume    | Value   |
| 1995       | 91,396                 | 67,649 | 15,263    | 4,202 | 863,043   | 330,329 |
| 1996       | 100,228                | 62,501 | 15,010    | 4,784 | 910,005   | 330,968 |
| 1997       | 111,367                | 79,676 | 18,675    | 4,075 | 1,084,407 | 390,363 |
| 1998       | 92,937                 | 67,610 | 10,520    | 4,469 | 1,313,857 | 436,949 |
| 1999/1     | 25,801                 | 17,472 | 2,635     | 919   | 391,418   | 117,314 |
| 1999/2     | 23,441                 | 19,134 | 8,118     | 1,037 | 353,983   | 117,159 |
| 1999/3     | 35,633                 | 19,986 | 4,904     | 2,278 | 385,713   | 122,434 |
| 1999/4     | 26,726                 | 19,844 | 3,888     | 1,682 | 389,883   | 133,176 |
| Total 1999 | 111,601                | 76,436 | 19,545    | 5,916 | 1,520,997 | 490,083 |
| 2000/1     | 40,216                 | 20,593 | 5,159     | 2,125 | 440,267   | 137,692 |
| 2000/2     | 34,645                 | 23,607 | 6,713     | 2,039 | 432,958   | 140,886 |
| 2000/3     | ---                    | ---    | ---       | ---   | ---       | ---     |
| 2000/4     | ---                    | ---    | ---       | ---   | ---       | ---     |
| Total 2000 | ---                    | ---    | ---       | ---   | ---       | ---     |

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



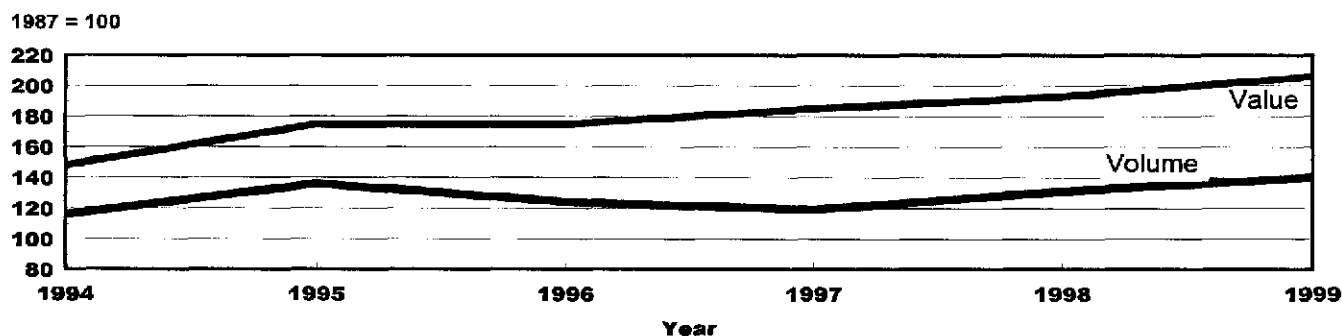
Volume and value index of all U.S. hardwood lumber imports, 1994-1999.

**Table 24.--Volume and value of U.S. hardwood veneer imports, by region, 1995-2000**  
(Million square meters and thousands of dollars, c.i.f.)

| Year/qtr.  | Canada |         | Central & South America<br>and Caribbean |        | Africa |        |
|------------|--------|---------|--|--------|--------|--------|
|            | Volume | Value   | Volume                                   | Value  | Volume | Value  |
| 1995       | 110.2  | 143,695 | 53.5                                     | 51,534 | 10.6   | 13,999 |
| 1996       | 110.6  | 153,306 | 47.3                                     | 49,948 | 15.9   | 17,516 |
| 1997       | 115.9  | 163,271 | 34.8                                     | 45,904 | 12.7   | 15,369 |
| 1998       | 122.3  | 163,452 | 32.7                                     | 43,149 | 20.3   | 22,770 |
| 1999/1     | 36.6   | 48,677  | 5.7                                      | 7,246  | 4.6    | 5,035  |
| 1999/2     | 36.5   | 50,525  | 7.4                                      | 8,500  | 7.2    | 7,042  |
| 1999/3     | 30.3   | 40,865  | 9.3                                      | 10,210 | 7.7    | 8,102  |
| 1999/4     | 30.4   | 43,151  | 9.3                                      | 11,713 | 6.7    | 7,761  |
| Total 1999 | 133.8  | 183,218 | 31.7                                     | 37,669 | 26.2   | 27,940 |
| 2000/1     | 38.4   | 54,322  | 8.5                                      | 10,461 | 7.0    | 7,736  |
| 2000/2     | 38.3   | 57,589  | 7.2                                      | 8,452  | 8.0    | 7,581  |
| 2000/3     | ---    | ---     | ---                                      | ---    | ---    | ---    |
| 2000/4     | ---    | ---     | ---                                      | ---    | ---    | ---    |
| Total 2000 | ---    | ---     | ---                                      | ---    | ---    | ---    |

| Year/qtr.  | Asia and Pacific Ocean |        | All other |        | Total  |         |
|------------|------------------------|--------|-----------|--------|--------|---------|
|            | Volume                 | Value  | Volume    | Value  | Volume | Value   |
| 1995       | 25.0                   | 25,354 | 12.8      | 30,822 | 212.1  | 265,399 |
| 1996       | 10.3                   | 12,662 | 10.4      | 31,544 | 194.5  | 264,975 |
| 1997       | 8.9                    | 12,338 | 13.0      | 43,399 | 185.3  | 280,281 |
| 1998       | 13.8                   | 16,140 | 16.4      | 46,579 | 205.4  | 292,090 |
| 1999/1     | 3.0                    | 4,159  | 3.0       | 10,443 | 53.1   | 75,560  |
| 1999/2     | 3.1                    | 3,760  | 3.6       | 12,599 | 57.8   | 82,426  |
| 1999/3     | 2.2                    | 3,311  | 4.3       | 13,857 | 53.9   | 76,344  |
| 1999/4     | 2.7                    | 3,313  | 4.7       | 11,732 | 53.7   | 77,670  |
| Total 1999 | 11.0                   | 14,543 | 15.6      | 48,631 | 218.5  | 312,000 |
| 2000/1     | 3.6                    | 4,900  | 5.5       | 13,379 | 63.0   | 90,798  |
| 2000/2     | 2.3                    | 4,270  | 4.9       | 13,799 | 60.7   | 91,691  |
| 2000/3     | ---                    | ---    | ---       | ---    | ---    | ---     |
| 2000/4     | ---                    | ---    | ---       | ---    | ---    | ---     |
| Total 2000 | ---                    | ---    | ---       | ---    | ---    | ---     |

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



Volume and value index of all U.S. hardwood veneer imports, 1994-1999.

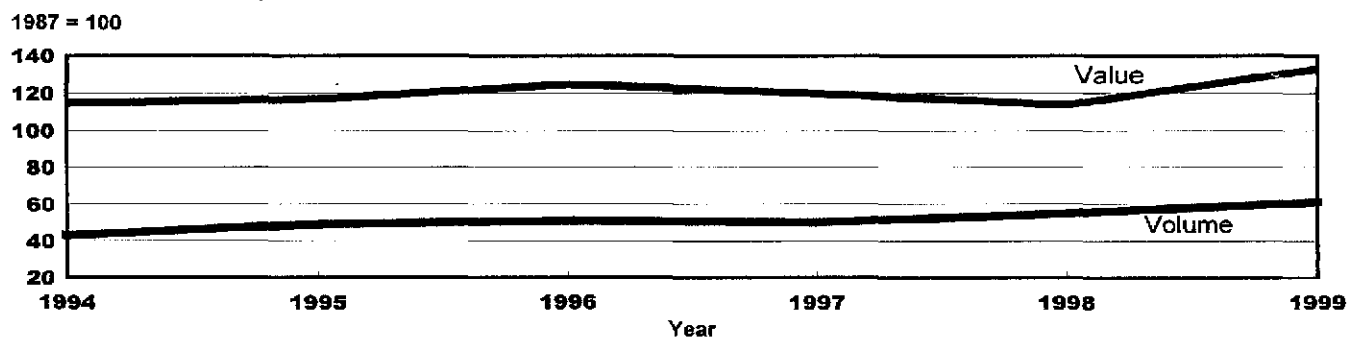
**Table 25.--Volume and value of U.S. hardwood plywood imports, by region, 1995-2000**  
(Cubic meters and thousands of dollars, c.i.f.)

| Year/qtr.  | Canada  |         | Central & South America<br>and Caribbean |         | Africa |       |
|------------|---------|---------|--|---------|--------|-------|
|            | Volume  | Value   | Volume                                   | Value   | Volume | Value |
| 1995       | 179,327 | 82,083  | 361,577                                  | 147,184 | 0      | 0     |
| 1996       | 214,509 | 93,196  | 347,185                                  | 145,442 | 1,689  | 627   |
| 1997       | 253,286 | 116,947 | 350,048                                  | 140,644 | 152    | 114   |
| 1998       | 272,249 | 134,029 | 185,572                                  | 72,300  | 881    | 534   |
| 1999/1     | 72,549  | 37,230  | 51,071                                   | 19,160  | 0      | 0     |
| 1999/2     | 75,312  | 40,360  | 65,462                                   | 24,618  | 290    | 119   |
| 1999/3     | 74,663  | 39,533  | 86,331                                   | 27,668  | 210    | 83    |
| 1999/4     | 74,666  | 40,347  | 72,940                                   | 25,602  | 1,119  | 457   |
| Total 1999 | 297,190 | 157,470 | 275,804                                  | 97,048  | 1,619  | 659   |
| 2000/1     | 95,254  | 43,898  | 81,523                                   | 28,799  | 1,856  | 831   |
| 2000/2     | 85,996  | 44,027  | 86,482                                   | 28,847  | 1,787  | 575   |
| 2000/3     | ---     | ---     | ---                                      | ---     | ---    | ---   |
| 2000/4     | ---     | ---     | ---                                      | ---     | ---    | ---   |
| Total 2000 | ---     | ---     | ---                                      | ---     | ---    | ---   |

| Year/qtr.  | Asia and Pacific Ocean |         | All other |         | Total     |         |
|------------|------------------------|---------|-----------|---------|-----------|---------|
|            | Volume                 | Value   | Volume    | Value   | Volume    | Value   |
| 1995       | 992,080                | 473,331 | 131,124   | 53,535  | 1,664,108 | 756,133 |
| 1996       | 1,001,738              | 501,683 | 179,202   | 64,933  | 1,744,323 | 805,879 |
| 1997       | 923,270                | 444,287 | 180,367   | 70,629  | 1,707,123 | 772,622 |
| 1998       | 1,217,893              | 441,262 | 203,580   | 91,060  | 1,880,175 | 739,185 |
| 1999/1     | 304,938                | 109,947 | 44,758    | 18,992  | 473,316   | 185,330 |
| 1999/2     | 329,354                | 133,299 | 86,613    | 36,767  | 557,031   | 235,163 |
| 1999/3     | 350,224                | 148,258 | 82,264    | 29,837  | 593,692   | 245,379 |
| 1999/4     | 227,160                | 102,261 | 70,954    | 26,086  | 446,839   | 194,753 |
| Total 1999 | 1,211,676              | 493,765 | 284,589   | 111,682 | 2,070,878 | 860,625 |
| 2000/1     | 293,777                | 117,726 | 75,623    | 28,986  | 548,033   | 220,239 |
| 2000/2     | 260,161                | 106,031 | 102,275   | 37,804  | 536,701   | 217,283 |
| 2000/3     | ---                    | ---     | ---       | ---     | ---       | ---     |
| 2000/4     | ---                    | ---     | ---       | ---     | ---       | ---     |
| Total 2000 | ---                    | ---     | ---       | ---     | ---       | ---     |

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



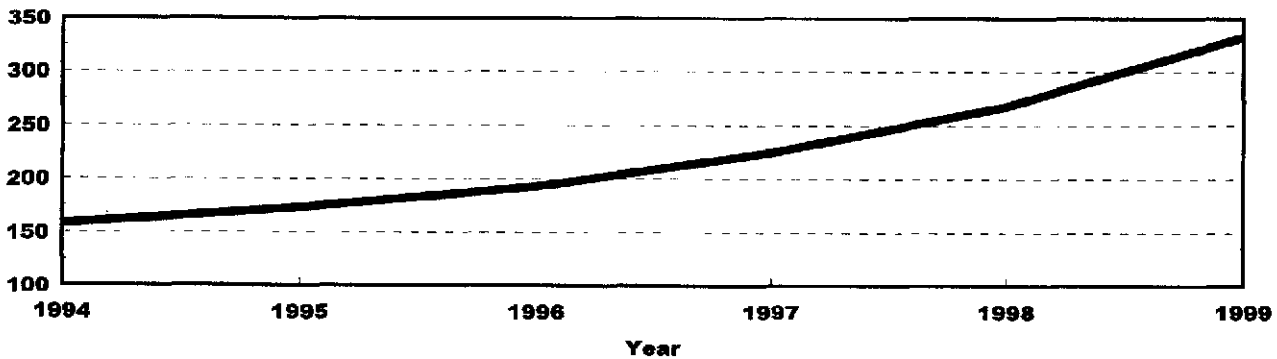
Volume and value index of all U.S. hardwood plywood imports, 1994-1999.

**Table 26.--Value of U.S. wood furniture imports, by region, 1995-2000**  
(Thousands of dollars, c.i.f.)

| Year/qtr.  | Canada    | Caribbean,<br>South, and<br>Central<br>America | Europe    | Asia,<br>Middle<br>east,<br>and Pacific | All other | Total     |
|------------|-----------|--|-----------|---|-----------|-----------|
| 1995       | 899,350   | 411,731  | 1,042,945 | 2,080,382                               | 16,600    | 4,451,008 |
| 1996       | 1,159,725 | 507,665  | 1,074,415 | 2,199,756                               | 28,093    | 4,969,654 |
| 1997       | 1,460,377 | 629,273  | 1,190,400 | 2,458,208                               | 27,331    | 5,765,589 |
| 1998       | 1,785,320 | 701,456  | 1,393,502 | 2,955,214                               | 34,429    | 6,869,921 |
| 1999/1     | 473,685   | 181,139  | 374,780   | 812,139                                 | 7,863     | 1,849,606 |
| 1999/2     | 508,278   | 189,357  | 402,016   | 895,840                                 | 8,583     | 2,004,074 |
| 1999/3     | 577,255   | 213,470  | 408,834   | 1,045,624                               | 7,712     | 2,252,895 |
| 1999/4     | 613,792   | 216,333  | 450,744   | 1,154,830                               | 8,208     | 2,443,907 |
| Total 1999 | 2,173,010 | 800,299  | 1,636,374 | 3,908,433                               | 32,366    | 8,550,482 |
| 2000/1     | 604,869   | 210,769  | 426,067   | 1,056,205                               | 7,552     | 2,305,463 |
| 2000/2     | 632,002   | 224,618  | 506,336   | 1,175,101                               | 10,749    | 2,548,805 |
| 2000/3     | ---       | ---  | ---       | ---                                     | ---       | ---       |
| 2000/4     | ---       | ---  | ---       | ---                                     | ---       | ---       |
| Total 2000 | ---       | ---  | ---       | ---                                     | ---       | ---       |

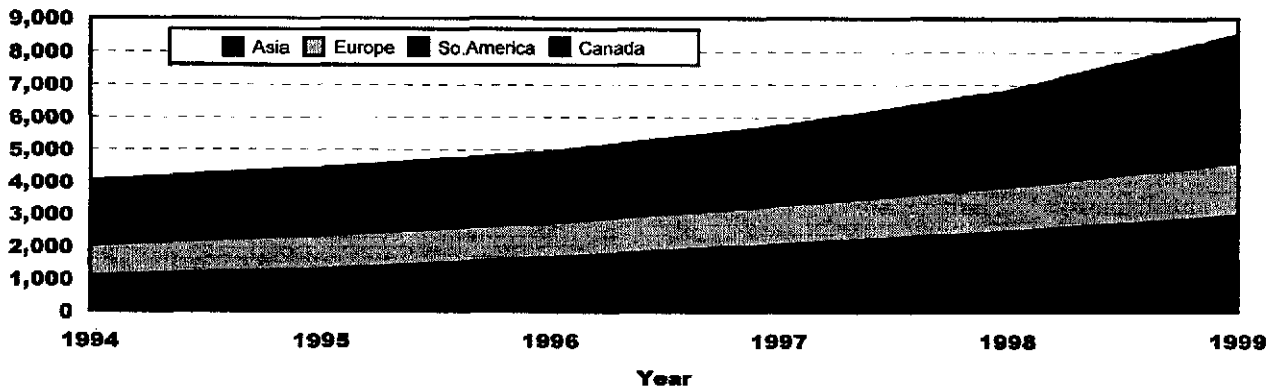
Source: U.S. Department of Commerce, Bureau of the Census.

1987 = 100



Value index of U.S. furniture imports, 1994-1999.

Millions of dollars



Value of U.S. furniture imports, by region, 1994-1999.

**Table 27.—Volume and value of U.S. exports of nonconiferous chips, by region, 1995-2000**  
(Tons and thousands of dollars, f.a.s.)

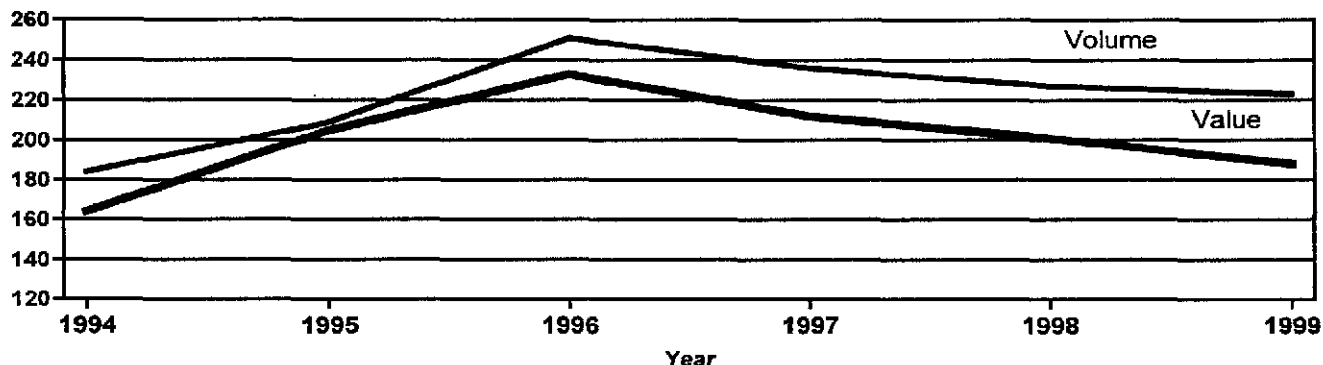
| Year/qtr.  | Western Europe |       | Canada  |        | Japan     |         | Mexico |       |
|------------|----------------|-------|---------|--------|-----------|---------|--------|-------|
|            | Volume         | Value | Volume  | Value  | Volume    | Value   | Volume | Value |
| 1995       | NA             | 1,218 | 284,126 | 12,007 | 3,031,485 | 299,663 | 18     | 20    |
| 1996       | 312            | 106   | 210,320 | 8,641  | 3,845,584 | 344,898 | 35     | 18    |
| 1997       | 1,753          | 174   | 294,811 | 10,520 | 3,687,410 | 320,192 | 107    | 62    |
| 1998       | 5,059          | 564   | 268,536 | 8,831  | 3,566,618 | 311,816 | 0      | 0     |
| 1999/1     | 1,466          | 126   | 62,327  | 1,989  | 904,448   | 79,747  | 0      | 0     |
| 1999/2     | 2,726          | 236   | 56,874  | 1,776  | 798,062   | 62,803  | 164    | 11    |
| 1999/3     | 1,168          | 218   | 68,801  | 2,306  | 856,637   | 70,924  | 0      | 0     |
| 1999/4     | 2,535          | 329   | 62,202  | 2,126  | 761,609   | 64,650  | 89     | 83    |
| Total 1999 | 7,895          | 909   | 250,204 | 8,197  | 3,320,756 | 278,124 | 253    | 94    |
| 2000/1     | 2,464          | 339   | 60,238  | 2,228  | 709,610   | 53,351  | 0      | 0     |
| 2000/2     | 3,287          | 329   | 71,007  | 2,404  | 663,206   | 53,911  | 0      | 0     |
| 2000/3     | ---            | ---   | ---     | ---    | ---       | ---     | ---    | ---   |
| 2000/4     | ---            | ---   | ---     | ---    | ---       | ---     | ---    | ---   |
| Total 2000 | ---            | ---   | ---     | ---    | ---       | ---     | ---    | ---   |

| Year/qtr.  | Taiwan |       | South Korea |        | All other |       | Total     |         |
|------------|--------|-------|-------------|--------|-----------|-------|-----------|---------|
|            | Volume | Value | Volume      | Value  | Volume    | Value | Volume    | Value   |
| 1995       | 0      | 0     | 256,462     | 17,394 | 5,084     | 1,305 | 3,579,398 | 331,607 |
| 1996       | 61,268 | 6,127 | 176,047     | 17,599 | 8,045     | 331   | 4,301,611 | 377,718 |
| 1997       | 0      | 0     | 58,807      | 11,207 | 8,555     | 947   | 4,051,443 | 343,103 |
| 1998       | 0      | 0     | 33,390      | 3,477  | 10,702    | 1,502 | 3,884,305 | 326,190 |
| 1999/1     | 0      | 0     | 75,059      | 4,485  | 2,284     | 364   | 1,045,584 | 86,713  |
| 1999/2     | 0      | 0     | 23,580      | 2,143  | 9,284     | 704   | 890,690   | 67,673  |
| 1999/3     | 0      | 0     | 52,941      | 4,289  | 1,411     | 227   | 980,958   | 77,964  |
| 1999/4     | 0      | 0     | 69,673      | 4,400  | 1,331     | 293   | 897,439   | 71,881  |
| Total 1999 | 0      | 0     | 221,253     | 15,317 | 14,310    | 1,588 | 3,814,671 | 304,231 |
| 2000/1     | 0      | 0     | 46,152      | 2,206  | 4,632     | 964   | 823,096   | 59,089  |
| 2000/2     | 0      | 0     | 25,465      | 2,289  | 2,430     | 206   | 765,395   | 59,140  |
| 2000/3     | ---    | ---   | ---         | ---    | ---       | ---   | ---       | ---     |
| 2000/4     | ---    | ---   | ---         | ---    | ---       | ---   | ---       | ---     |
| Total 2000 | ---    | ---   | ---         | ---    | ---       | ---   | ---       | ---     |

NA - Not available

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

1989=100



Volume and value index of all U.S. exports of nonconiferous chips, 1994-1999.

## **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**

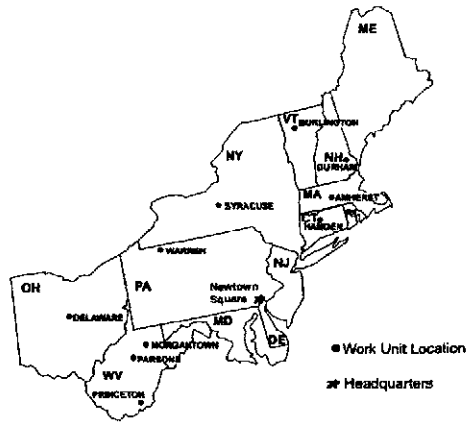
1 MBF (lumber) = 2.36 cubic meters  
1 MBF\* (logs - FAO) = 4.53 cubic meters  
1 MBF\*\* (logs - Doyle scale) = 4.59 cubic meters  
1 MBF\*\* (logs - International 1/4" rule) = 3.48 cubic meters  
1 MBF\*\* (logs - Scribner) = 3.90 cubic meters  
1 cubic meter = 35.32 cubic feet  
1 ton = 2000 lbs.  
1 metric ton = 2204.623 lbs.

- \* 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.

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