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Paper
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# U.S. Timber Production, Trade, Consumption, and Price Statistics 1965–2002

**James L. Howard**

# Abstract

This report presents annual data but is published every 2 years. The data present current and historical information on the production, trade, consumption, and prices of timber products in the United States. The report focuses on national statistics but includes some data for individual States and regions and for Canada. The data were collected from industry trade associations and government agencies. They are intended for use by forest land managers, forest industries, trade associations, forestry schools, renewable resource organizations, individuals in the major timber producing and consuming countries of the world, and the general public. A major use of the data is tracking industry production and consumption trends with time. One of the major shifts occurring recently in the wood using industry is that both production and consumption of roundwood per capita have declined even though consumption of products per capita is increasing—due to increased paper recycling, increased imports, and increased processing efficiency. Consumption per capita in roundwood equivalent has decreased during the past 15 years from 80 $ft^3$ per capita to 67 $ft^3$ per capita in 2002. In the 1960s and 1970s, consumption averaged about 70 $ft^3$ per capita.



Keywords: production, consumption, import, export



December 2003

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# Acknowledgments

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# U.S. Timber Production, Trade, Consumption, and Price Statistics 1965 to 2002

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# Preface

This report includes 59 tables of data for 1965 through 2002. Data for the years prior to 1965 can be found in earlier reports in the series. Since the last publication of this series in 2001 (data compiled through 1999), many agencies have discontinued the collection of various data. This change is indicated on the tables, where applicable. Some data were derived from mathematical calculations, and some show conversions from different units of measurement. Throughout the tables and text, billion denotes $10^9$. The references cited in the text and in the tables are listed separately. Text references are listed in literature cited. The sources for data in the tables are listed in an annotated bibliography, which is cross-referenced to the tables. This report is available through the Forest Products Laboratory web site (http://www.fpl.fs.fed.us/). Tables of conversion factors and a map of Forest Service Administrative regions follow.

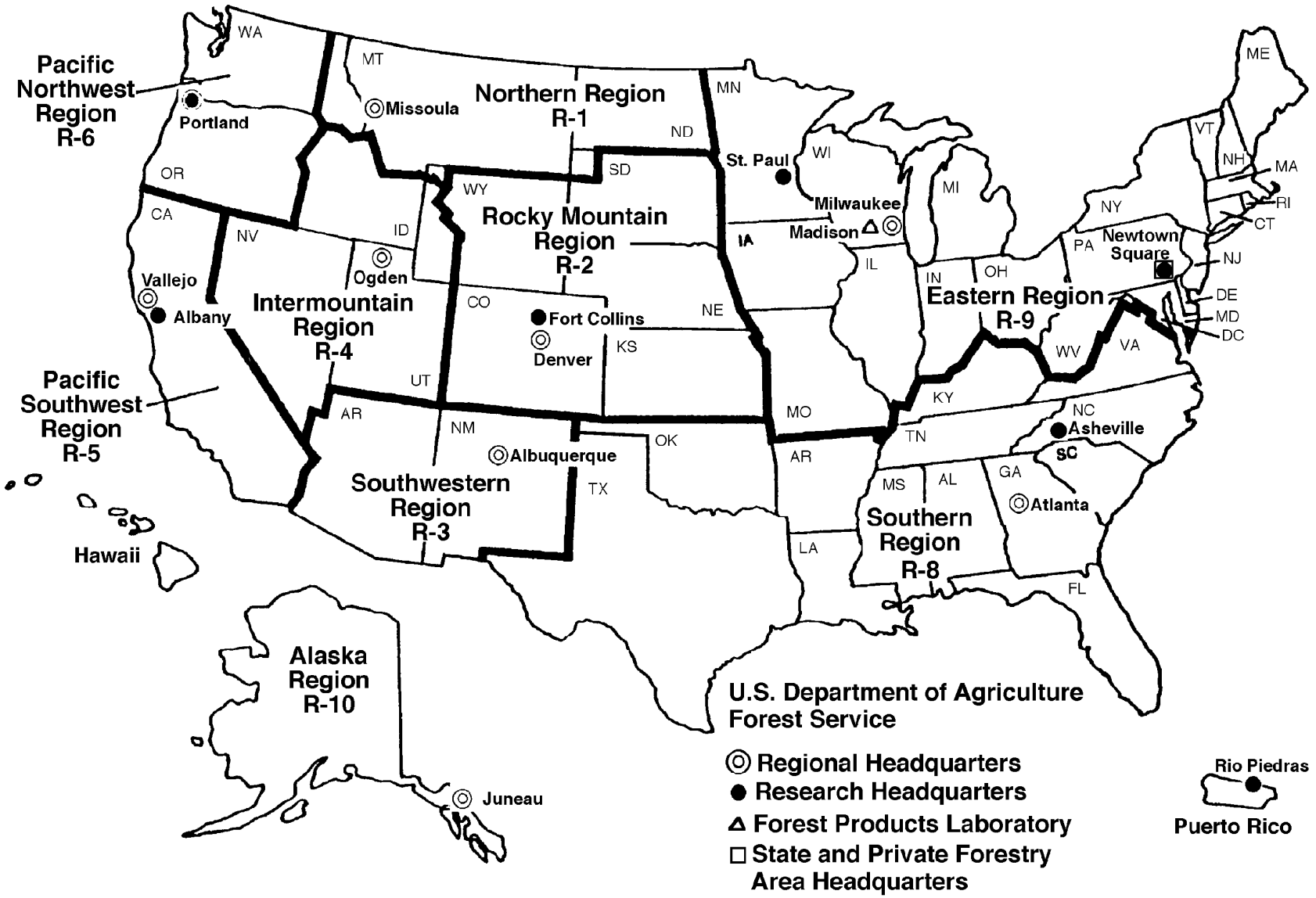
**Factors for converting units of measurement to metric or English units[a]**

| Inch–pound unit | Conversion factor | Metric or English unit |
|---|---|---|
| square foot | 0.0929 | square meter |
| cubic foot (log trade) | 0.028317 | cubic meter |
| short tons (chips) | 0.0185 | cubic feet |
| board foot (hardwood lumber) | 0.00236 | cubic meter |
| board foot (softwood lumber) | 0.00170 | cubic meter |
| board foot (lumber export and imports) | 0.00236 | cubic meter |
| board foot (logs) | 0.00453 | cubic meter |
| 1,000 square feet (1/8-in. panels) | 0.295 | cubic meters |
| 1,000 square feet (1/4-in. panels) | 0.59 | cubic meters |
| 1,000 square feet (3/8-in. panels) | 0.885 | cubic meters |
| 1,000 square feet (3/8-in. panels | 2.036 | square feet (surface measure) |
| 1,000 square feet (1/2-in. panels) | 1.18 | cubic meters |
| 1,000 square feet (3/4-in. panels) | 1.77 | cubic meters |
| cubic meters | 0.0023 | 1 million square feet (surface measure) |
| square meters | 10.7639 | square feet (surface measure) |
| cord | 2.27 | cubic meter |
| cord | 2.65 | green ton |
| tons | 0.0003 | 1,000 cords |
| ton (short ton) | 0.907 | metric ton |
| pound | 0.453592 | kilogram |
| inch | 25.4 | Millimeter |

**Factors for converting standard units to short tons[a]**

| Product | Standard unit | Weight of wood per standard unit (*short tons*) |
|---|---|---|
| Roundwood products | | |
| Softwood | 1,000 cubic feet | 17,500 air dried |
| Hardwood | 1,000 cubic feet | 20.000 air dried |
| Softwood | cord (80 cubic feet) | 1.400 |
| Hardwood | cord (80 cubic feet) | 1.600 |
| Lumber | | |
| Softwood | 1,000 board feet | 0.974 |
| Hardwood | 1,000 board feet | 1.680 |
| Laminated veneer lumber | cubic foot | 17.5 |
| Structural panels | | |
| Softwood plywood | 1,000 square feet, 3/8-in. basis | 0.544 |
| Waferboard and OSB[b] | 1,000 square feet, 3/8-in. basis | 0.866 |
| Medium-density fiberboard | 1,000 square feet, 3/4-in. basis | 1.406 |
| Nonstructural panels | | |
| Hardboard | 1,000 square feet, 1/8-in. basis | 0.380 |
| Insulation board | 1,000 square feet, 1/2-in. basis | 0.367 |
| Particleboard | 1,000 square feet, 3/4-in. basis | 1.406 |
| Hardwood plywood | 1,000 square feet, 3/8-in. basis | 0.657 |
| Hardwood plywood | 1,000 square feet, surface measure | 0.2 |
| Pulp, paper, and board | thousand tons | 1.0 |
| Other industrial products | thousand cubic feet | 16.5 |

[a]U.S. Department of Agriculture, Forest Service (20,51).
[b]Oriented strandboard.


Pacific Northwest Region R-6
Portland
Northern Region R-1
Missoula
Rocky Mountain Region R-2
Intermountain Region R-4
Ogden
Vallejo
Albany
Fort Collins
Denver
Pacific Southwest Region R-5
Hawaii
Southwestern Region R-3
Albuquerque
Alaska Region R-10
Juneau
St. Paul
Milwaukee
Madison
Eastern Region R-9
Newtown Square
Southern Region R-8
Asheville
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U.S. Department of Agriculture
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Puerto Rico

# Highlights

Economic activity in most of the major timber products markets increased in 2002. New housing construction, which accounts for more than a third of the United States consumption of softwood lumber and structural panels and for substantial consumption of other softwood and hardwood products, strengthened considerably in 2001 and continued to be strong in 2002. The consumption of oriented strandboard (OSB) during 2002 continued to exceed plywood consumption even as industry globilization continued to have a negative impact on some forest products sectors such as furniture manufacturing. The total industrial production index, an important demand determinant for pallet lumber, containerboard, and some grades of paper, fell 0.7% in 2002 (Table 1). Private nonresidential construction expenditures continued to decline during 2002.

The United States housing market remained strong during 2002, but some sectors did weaken. Sales of both new and previously occupied homes surged to record levels. More than 1.7 million new housing units were started, and $173 billion was spent to maintain and improve the existing housing stock. The single-family housing market was particularly strong, and the U.S. home-ownership rate climbed to a new record high. Starts of conventionally built homes (excluding mobile homes) rose by 6.3% from a year earlier to 1.7 million units during 2002. Home sales reached a new record high during 2002 with 6.5 million units sold. Of the 6.5 million units sold, 5.598 million units were previously occupied homes and 979,000 were new units. In terms of market share within region, for-sale housing was strongest in the West where the 269,000 for-sale units started in 2002 represented 80% of all sales begun in that region. Several other indicators of demand for wood products declined in 2002 compared with 2001. The manufacturing sector as measured by industrial production declined 0.9% during 2002 compared with 2001. The decline in furniture and fixtures output (a determinant for pallet lumber, containerboard, and some grades of paper) is reflected in the decline in durable goods production, which fell 1.1% in 2002 from 2001. Total industrial production declined in 2002, falling by 0.7%, but production at utilities increased by 4.2%. But the increase in economic growth and very low mortgage rates helped the lumber industry exceed production levels of a year earlier during 2002. United States softwood lumber production exceeded 1-year-ago levels by 5.1%.

United States consumption of wood and paper products requires input to make products produced in the United States (for domestic consumption), plus roundwood is required to make imported products. This consumption of roundwood to meet needs of U.S. consumers (including fuelwood) increased 1.0% per year between 1965 and 1995, from 13.3 to 19.2 billion $ft^3$. This consumption declined to 19.1 billion $ft^3$ in 1997 and has since increased to 19.7 billion $ft^3$ in 2002 (Table 5a). United States production of wood and paper products plus fuelwood use required roundwood harvest from U.S. forests, which also increased 1.0% per year from 1965 to 1995, from 12.3 to 17.6 billion $ft^3$. In contrast to roundwood needed for U.S. product consumption, U.S. roundwood harvest for U.S. production declined from 17.6 billion $ft^3$ in 1995 to 16.5 billion $ft^3$in 2002.

Despite record demand from the housing sector fueled by very low mortgage rates, which drove high demand in the lumber industry during 2002, U.S. National Forest sawlog stumpage prices continued to decline in current dollars for Douglas Fir and Southern Pine in recent years. Southern Pine recovered modestly in 2001, but Douglas Fir continued downward. Increasing Canadian lumber imports, as well mill closures in the western U.S., contributed to the slump in softwood prices.

During 2002, apparent consumption of most timber products increased compared with 1-year-ago levels. Although western production of softwood lumber from the California redwood region was down 8.5%, western softwood lumber production increased by 3.6%. Because of declining markets for hardwood lumber, production decreased by 6.5% in 2002. The combined roundwood and forest chip production for pulp and OSB mills declined by 1.0% in 2002. Softwood plywood production reversed its trend, increasing slightly in 2002. For the first time, consumption of OSB exceeded plywood consumption during 1998 and remained greater than plywood consumption through 2002. Shipments of particleboard and medium-density fiberboard (MDF) were up 4.0% and 17.9%, respectively, for 2002. Tremendous growth in U.S. imports of Chinese furniture presents an increasing problem for American furniture manufacturers and the companies that supply them with nonstructural panels such as particleboard and MDF. Chinese furniture exports to the United States rose 13% in value in 2002, and China has become the world's largest furniture exporter.

The long-term outlook is one of continued growth in the demand for most timber products. Timber volumes supplied by the National Forest have fallen sharply in recent years. In 2002, valued at about $164 million, National Forest harvest totaled 1.7 billion board feet (2.3% of total U.S. timber harvest, down 75% from the peak in 1991). Therefore private timber harvest and imports will continue to be major contributors in meeting the needs of increasing demand for most timber products.

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## General Economic Trends

**Timber products markets stay strong during 2002—continued growth forecast for 2003**

The decade-long economic expansion came to a screeching halt in 2001 as the U.S. economy entered a downturn. The U.S. economy rebounded and performed well in 2002 and continues to grow into 2003. Economic activity, as measured by the Gross Domestic Product (GDP), rose at an annual rate of 2.4% in 2002 to $9,440.2 billion (1996 dollars). This was up from $9,214.2 billion (1996 dollars) during 2001. U.S. economic activity as measured by the GDP continued to increase slightly in the first quarter 2003, increasing by 1.4%, then followed by 2.4% growth in the second quarter 2003. Real GDP in private-service industries led the broad-based economic growth in 2002, increasing 2.8% followed by 1.3% growth in real GDP in private-goods-producing industries. The increase in real GDP growth of 1.8% in manufacturing was mixed. Nondurable goods manufacturing increased 4.3% but was offset by a slight decline in durable goods manufacturing of –0.1%. Real GDP growth in retail trade increased 5.9%. Electric, gas, and sanitary services and wholesale trade all increased sharply. Prices paid by U.S. residents for goods and services, the price index for gross domestic purchases, increased 3.6% during the first quarter 2003 after increasing 1.8% during the fourth quarter 2002. This increase was driven by sharply higher energy prices. Growth in per capita personal income slowed during 2002 to 1.7% down from 2.2% in 2001.

New housing construction, which accounts for more than a third of U.S. annual consumption of softwood lumber and structural panels and for consumption of substantial volumes of other softwood and hardwood products, established new highs for 2002 (Tables 1 and 2, Fig. 1). Starts of single-family units led the increase, but multi-family housing starts also increased by 4.6% during 2002, the first increase since 1998. Housing starts for 2002 were 1.7 million, and sales of new houses set a new record in 2002 of 977,000 units.

The home ownership rate reached 69.2%, also a new high. Builders' expectations for housing starts in 2003 remain strong as mortgage rates for the first 6 months of the year have increased slightly but remain at historically low levels. New housing and repair and remodeling continue to drive wood product demand. For the first 5 months ending in May, starts were up compared with 2002. Sales of new single-family homes increased throughout the second quarter, rising 12.5% from April. Existing home sales were also up in May 2003, gaining 1.2% to an adjusted 5.920 million. 2003 could be another record year for home construction.

Shipments of manufactured housing declined further during 2002 to 168,000 units of production. This was 24,000 units less than what was shipped in 2001. In the first 4 months of 2003, manufactured housing shipments were well behind 2002 shipments for this period. The seasonally adjusted shipments for 2002 totaled 134,000 units.

Investment in residential repair and remodeling rose to $173.3 billion (current dollars) in 2002, increasing about 9% compared with 2001. About two-thirds of the improvements were additions and alterations, and the balance was replacements of major housing components such as roofs or heating systems. Actual expenditures for repairs to residential properties in 2002 amounted to an estimated $47.3 billion during 2002 compared with $47.4 billion in 2001. Investment for

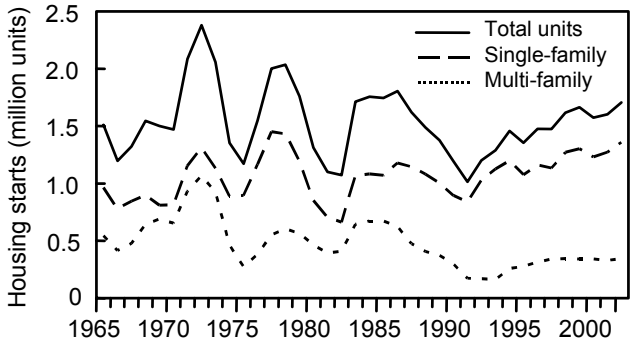



**Figure 1—Housing starts by type of unit, 1965–2002.**

new residential improvements was $125.9 billion in 2002, up from $110.3 billion in 2001. Investment for new residential units has been stronger than for nonresidential structures. Spending on new residential housing units was $240 billion (1996 dollars) in 2002 compared with $139 billion dollars for nonresidential building construction.

Industrial production, an important demand determinant for pallet lumber, containerboard, and some grades of paper, declined 5.4% in 2002 compared with 2000 levels and fell 0.7% from 1 year ago (Table 1, Fig. 2). Output of the furniture and fixtures industry, a major market for hardwood lumber, plywood, veneer, particleboard, and hardboard as measured by durable goods production, fell 11.3% in 2002. Further decreases are likely because of continued growth in Chinese furniture imports.

# Timber Production, Prices, Trade, and Consumption

**Industrial roundwood production fell less than 1% in 2002**

Industrial roundwood production decreased to 16.5 billion $ft^3$ in 2002, down slightly from the 16.6 billion $ft^3$ of production of a year earlier (Fig. 3). The highpoint for roundwood harvest was 1991 when industrial roundwood production was 18.8 billion $ft^3$.

The lumber and engineered wood products sectors are the main contributors to the current volume level. The production of saw logs used in the domestic manufacture of lumber rose slightly in 2002 to 7.3 billion $ft^3$. This represented about 49% of total industrial roundwood production. Softwood lumber production represented about 52% of softwood roundwood harvest, and hardwood lumber made up 42%. Pulpwood roundwood, which composed about 38% of total industrial roundwood, declined 1% from a year earlier. Although roundwood pulpwood production has fallen since the late1990s, during the 1990s the pulpwood share of industrial roundwood production increased close to 1 billion $ft^3$ since 1991. During that time, roundwood used to produce lumber increased slightly.

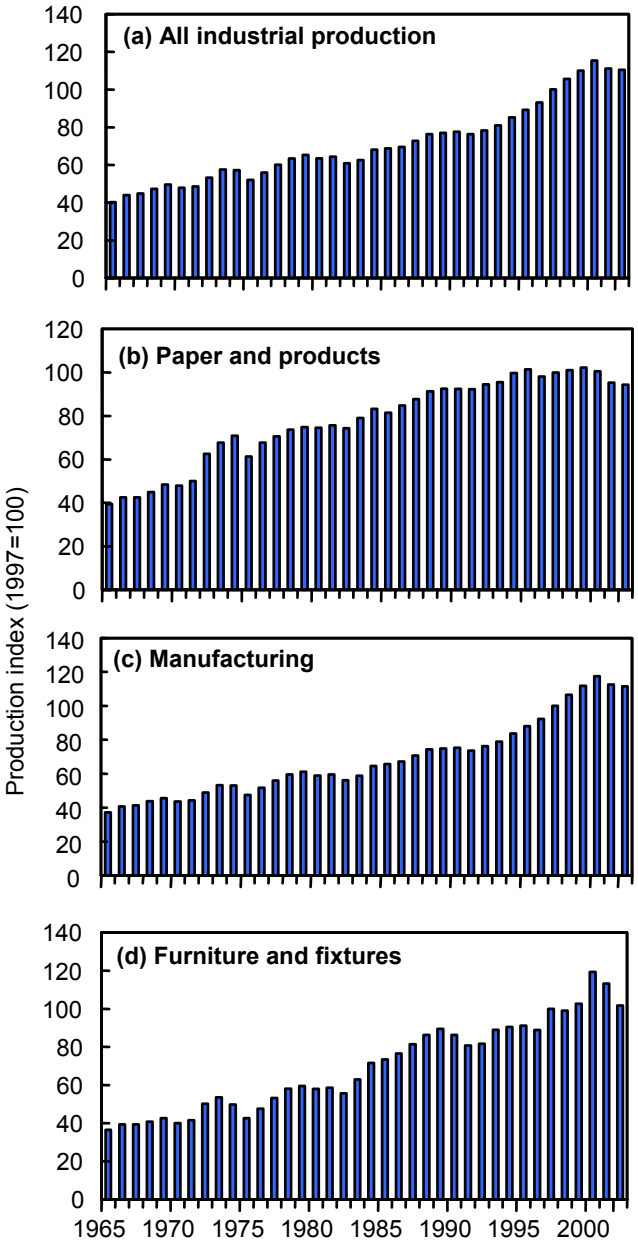



**Figure 2—Economic activity in major industrial timber markets.**

# Lumber Production, Prices, Trade, and Consumption

## Lumber

**Production**—An estimated 48.0 billion board feet ($\times 10^9$ bf) of lumber (softwoods plus hardwoods) was produced in the United States in 2002 (Table 28). This is consistent with near record high production levels since 1999, but about $1.5 \times 10^9$ bf below the record high production of $49.5 \times 10^9$ bf in 1999 (Table 28, Fig. 4). Lumber production climbed upward from 1965 to a peak in 1988 but then declined. Lumber has again been increasing modestly since 1995 but remains below record output levels of the late 1980s. In the late 1980s, legislation was passed to curtail timber harvesting on Federally owned lands in the western United States. Many western mills dependent on Federal timber were forced to dramatically reduce production or close entirely. This resulted in an overall decline in lumber production, shifts in production to other regions, and increased levels of foreign imports. These trends have continued through 2002.

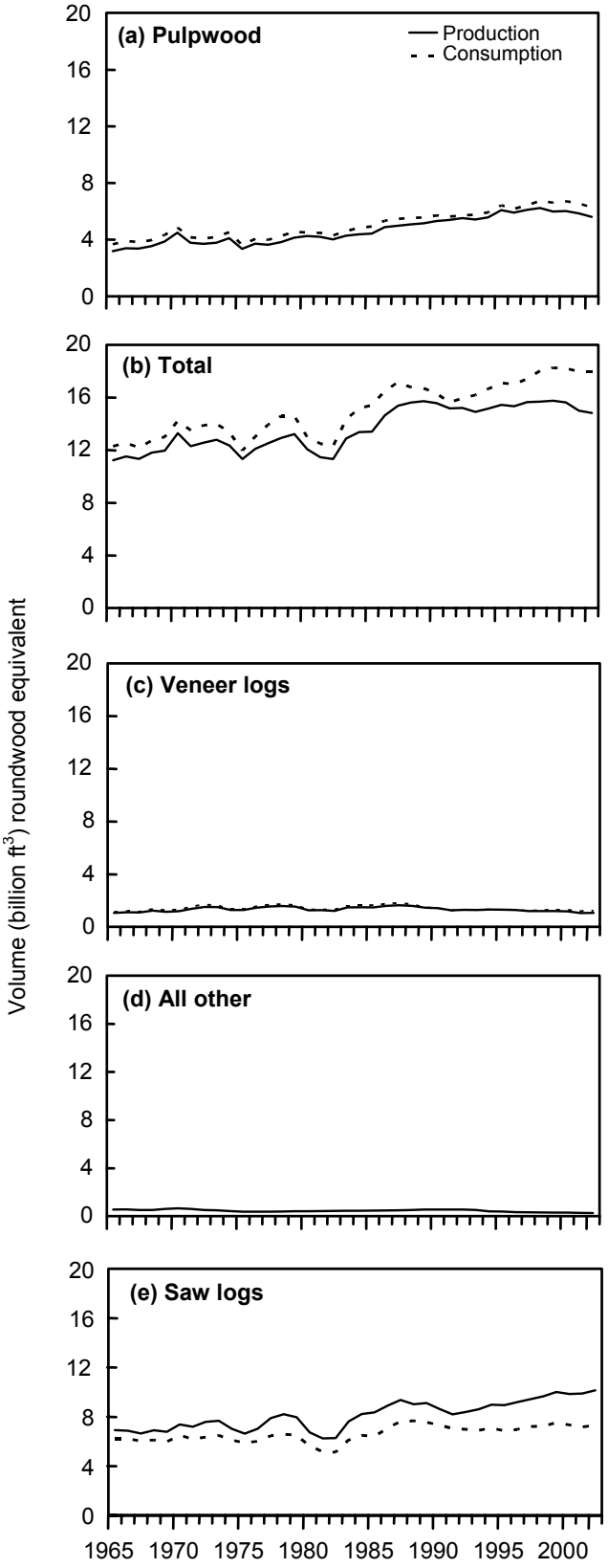



**Figure 3—Production and consumption of timber products.**

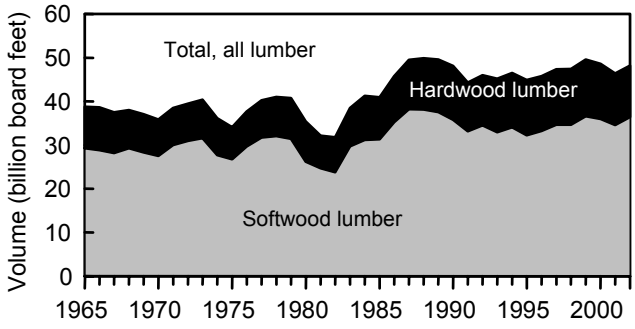



**Figure 4—U.S. lumber production by wood type, 1965–2002.**

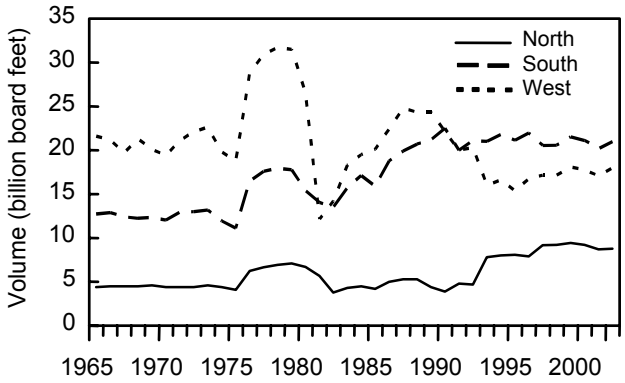



**Figure 5—U.S. lumber production by region, 1965–2002.**

Softwood lumber production in 2002 was about $36.4 \times 10^9$ bf (Table 28, Fig. 4), 76% of total lumber production. Hardwood lumber production was about $11.5 \times 10^9$ bf. The overall decline in lumber production in the 1990s was entirely at the expense of softwood lumber. Softwood lumber production has had a bumpy ride during the first 3 years of this decade but is generally growing toward record production levels, while hardwood lumber production has generally dropped downward from the high production levels of the late 1990s.

In 2002, the South was the largest lumber-producing region in the United States at $20.9 \times 10^9$ bf (Table 29, Fig. 5). The West was the second largest region at $17.9 \times 10^9$ bf, followed by the North at $8.6 \times 10^9$ bf. The West, although the second largest overall producing region, has traditionally been the largest softwood lumber producing region, with nearly 97% ($17.0 \times 10^9$ bf) of its total production being softwood species. Softwood lumber production in the South was about 78% of its total production, nearly equal in volume to that of the West. The North produced $2.2 \times 10^9$ bf softwood lumber in 2002.

Until recently, the West had been the largest lumber-producing region in the United States. In 1966 for example, more than half (55%) of all lumber produced in the United

States came from the West. Much of this production came from old-growth timber on Federally owned lands in the Pacific Coast (Washington, Oregon, and California). During the next 25 years, the proportion of lumber coming from the West slowly fell to just under half, due to declining levels of timber from public lands, and increasing levels of production in the South. Then in the late 1980s and early 1990s, large areas of Federally owned land in the West were removed from harvest. This removal further exacerbated the situation. In 1990, the South became the Nation's largest lumber-producing region, accounting for 35% of all softwood lumber and 80% of all hardwoods. Since 1990, softwood lumber production in the South has increased and that in the West has decreased. Currently, both regions produce nearly equal amounts of softwood lumber.

Total lumber production in the North remained fairly steady from 1965 through the early 1990s at about $4.5 \times 10^9$ bf per year (Table 29, Fig. 5). It then increased rapidly to $9.2 \times 10^9$ bf. Nearly all of this increase was in hardwood lumber production.

**Imports and exports—**In 2002, lumber imports to the United States from all countries totaled $21.7 \times 10^9$ bf, an all time record high (Table 28 and 31). During the same year, exports from the United States to all countries totaled just $2.2 \times 10^9$ bf (Tables 28 and 32). The difference, $19.5 \times 10^9$ bf, was net foreign trade and represented lumber consumption in the United States in excess of that which was produced domestically. Net foreign trade represented about one-fourth of total domestic lumber consumption in 2002. With few exceptions, lumber imports to the United States have grown steadily since 1965. Nearly all of the growth was in softwood lumber imports. In 1965, softwood lumber imports totaled $4.9 \times 10^9$ bf. By 2002, softwood lumber imports exceeded $21.0 \times 10^9$ bf, an increase of $16.1 \times 10^9$ bf. In contrast, hardwood lumber imports were $0.3 \times 10^9$ bf in 1965 and $0.7 \times 10^9$ bf in 2002.

Canada has always been the principal source of lumber imported into the United States (Table 31). In 2002, 90% of all imports were from Canada. This percentage has changed little since 1950, ranging from a low of 94% in 1973 to more than 98% in 1991 and 1992. Canada is the principal source of both softwood lumber and hardwood lumber imports to the United States. In 2002, nearly 91% of all softwood lumber and 73% of all hardwood lumber imported to the United States were from Canada. Hardwood imports from Canada as a percentage of total hardwood imports fell fairly steadily from 1950 through the 1970s. Since then, Canada's share of the U.S. hardwood lumber import market has risen. Overall, the United States imported nearly 63% of Canadian lumber production.

Lumber exports grew fairly steadily from 1965 through 1990, reaching a record high of nearly $4.6 \times 10^9$ bf in 1988 (Tables 28 and 32). Since 1990, lumber exports have fallen steadily to $2.1 \times 10^9$ bf in 2002. Numerous factors contributed to the decline in lumber exports in recent years. Some of these were reduced softwood sawtimber supplies, particularly from the Pacific Coast, changing economic conditions in the major importing countries, strength of the U.S. dollar in relation to other world currencies, and increased levels of exports from other major timber-producing countries. During the mid 1980s and early 1990s, Japan was by far the largest single market for United States' exported lumber. In 1989, Japan purchased $1.6 \times 10^9$ bf of lumber (Table 32). Since then, exports to Japan have fallen to just one-tenth of their previous level. Canada is currently the largest single market for exported lumber, followed closely by the European Union (EU). They accounted for 26% and 16%, respectively, of all exports.

More than half (62%) of total exports in 1996 were softwood species, $1.8 \times 10^9$ bf (Table 32). In the late 1960s and early 1970s, softwood lumber accounted for about 85% of total exports. Since then, softwood lumber's share of total exports has fallen steadily from around 78% in the 1980s to just 44% currently. The most important softwood lumber export markets in 2002 were Canada, which accounted for about 18% of total softwood lumber exports, Japan at 12%, and the EU at 7.6%. All other countries accounted for the remaining exports. Canada and EU were the two largest markets respectively for exported hardwood lumber from the United States in 2002.

**Consumption—**Lumber consumption in the United States in 2002 for all uses totaled $67.5 \times 10^9$ bf, continuing record consumption years through the early 2000s (Table 28). Consumption in 2002 also exceeded levels in the early 1900s, when lumber was the most important raw material used in the United States for construction, manufactured products, and shipping.

Per capita consumption in 2002 was 235 bf, below the high of 245 bf set in 1999, but still greater than per capita use in the 1960s, 1970s, and early 1980s (Table 28). However, per capita consumption was below averages for most years prior to 1965 and dramatically below the early 1900s when consumption exceeded 500 bf per person.

Overall, about 40% of the lumber consumed in 2002 was used for housing, with about half for the construction of new units and 30% for the upkeep and improvement of existing units. New nonresidential construction (including railroads) accounted for about 8%. Manufacturing accounted for 13% of lumber consumption and shipping (pallets, containers, and dunnage) 11%. The remaining 10% was for all other uses. The "all other" category includes an unknown amount of lumber used for other construction purposes such as nonresidential upkeep and improvements.

In 2002, $56.4 \times 10^9$ of the $67.5 \times 10^9$ bf of lumber consumed in the United States was softwood species, or about 83%

(Table 28, Fig. 6). Slight annual variations in the percentage of softwood and hardwood lumber used are common and are a result of differing levels of activity in the various end use markets and variations in species consumption between them. About 97% of the lumber used in new housing in 2002 was estimated to have been softwood species, up from 93% in 1962. In contrast, only 28% of the lumber used in shipping was softwood, down from 40% in 1962. The increase in percentage softwood lumber use in housing was largely due to a decline in hardwood flooring use and the rapid increase in house size requiring larger amounts of softwood dimension lumber for framing. Increased use of engineered wood products in recent years to substitute for dimension lumber in both residential and nonresidential construction reduces the softwood percentage. The rapid and continued growth in the use of hardwood pallets for materials handling and transportation was the principal cause for the increased percentage of hardwood lumber used in shipping. Even with the variations caused by differences in end use markets, softwood lumber consumption as a percentage of total lumber consumption has remained around 80% since the 1960s.

**Prices**—Overall, softwood lumber prices in 2002 remained well below their historic record highs. The actual producer price index for softwood lumber was 82.7 in 2002 (1997=100), up from 82.4 in 2001 (Table 35, Fig. 7). Historically, the producer price index for lumber rose rapidly between 1965 and 1979, from 14.0 to 57.2. This represented an average increase of about 10.3% per year. A mild recession in the early to mid 1980s depressed lumber prices. It wasn't until late in the decade that those prices again reached record levels. On average, lumber prices increased just 1.9% per year during the 1980s. The price index again began to move upward in the early 1990s due in part to the effect on the sawmill industry from timber harvest reductions in the West. Since 1995, the softwood lumber producer price index has fluctuated from a low of 86.5 in 1995 to a high of 94.9 in 1999. Overall, the softwood lumber producer price index increased at a rate of about 5.7% per year between 1965 and 1999.

Hardwood lumber prices, as measured by the hardwood lumber producer price index, have historically been much less volatile than softwood lumber. In 2002, the producer price index for hardwood lumber was 102.4, still below the historic record high levels (Table 35, Fig. 8). Since 1965, hardwood lumber prices have increased at a rate of about 4.9% per year but prices in recent years are still below record high levels.

The relative producer price index for a given commodity measures the change in its price relative to all other commodities and is calculated by dividing its producer price index by that for all commodities. If the relative price index is less than 100, then the given commodity is relatively less expensive than other commodities. If it is greater than 1,

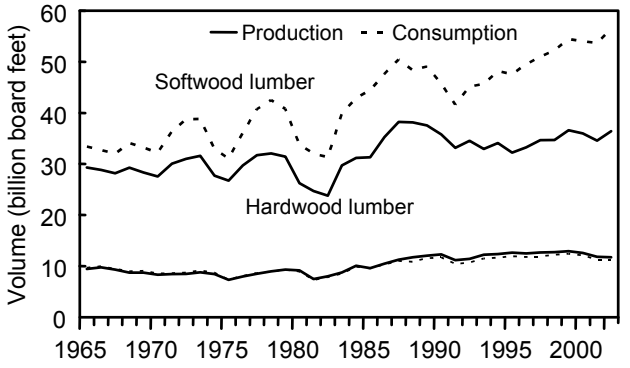



**Figure 6—Lumber production and consumption by wood type, 1965–2002.**

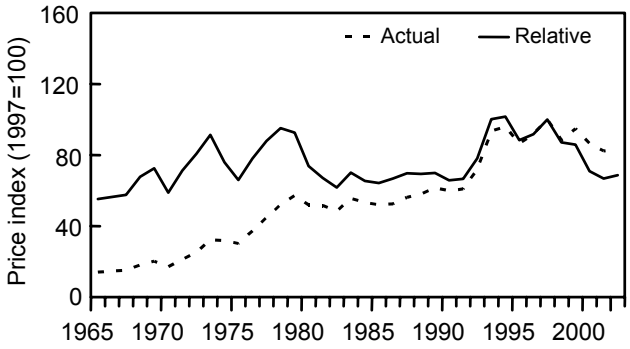



**Figure 7—Price indexes for softwood lumber, 1965–2002.**

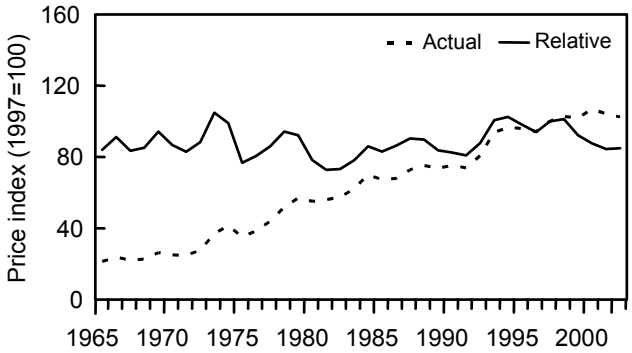



**Figure 8—Price indexes for hardwood lumber, 1965–2002.**

then it is relatively more expensive. In 2002, the relative price of softwood lumber was 68.3, down 31.4 points from 1997 (Table 35, Fig. 7). Since 1965, relative softwood lumber prices ranged from a low of 55.2 in 1965 to a high of 101.6 in 1994. The relative hardwood lumber price in 2002 was 84.9, down from 102.4 in 1994 (Table 35, Fig. 8). Long-term hardwood prices have been more stable than those for softwood lumber, ranging from a low of 72.8 in 1981 to a high of 102.4 in 1994.

**Engineered wood products production increased in 2002**

Engineered wood products such as glulam, I-joists, and laminated veneer lumber (LVL) are relatively new to the market and are forecast to increase steadily. Glulam production during 2002 was 321 million board feet, down 4.4% from 2001 (Table 34, Fig. 9). A little more than half of U.S. glulam goes to new residential construction and remodeling uses. Nonresidential construction consumes the next largest proportion of glulam production.

Laminated veneer lumber production during 2002 was 56 million $ft^3$, and I-joists production was 756 million linear feet. The volume of LVL production used for I-joists has kept pace with I-joist production in recent years. In 2002, approximately 77% of I-joists were used in new residential floor construction and 6% in residential roofs and walls. Approximately 10% were used in remodeling and 7% in nonresidential construction. A small volume of I-joists is exported to Japan.

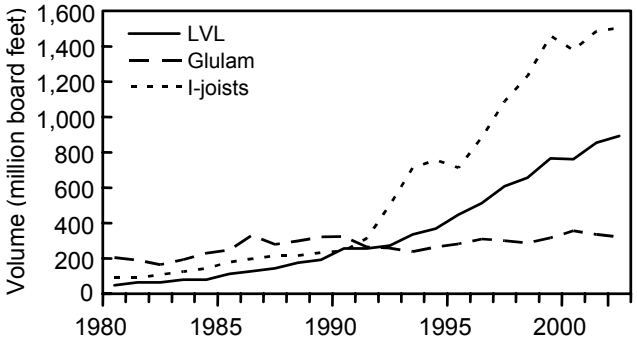



**Figure 9—Production of glulam, I-joists, and laminated veneer, 1980–2002.**

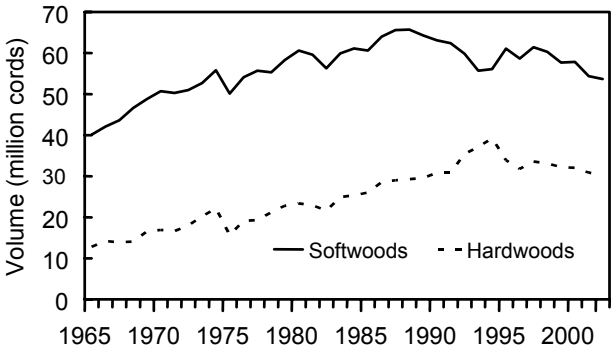



**Figure 10—Pulpwood production by wood type, 1965–2002.**

# Pulpwood Production, Prices, Trade, and Consumption

**Pulpwood production in 2002 estimated at 84 million cords**

Total wood pulp production for paper and paperboard only in U.S. mills in 2002 is estimated at 58.1 million tons based on data published by the American Forest & Paper Association (AF&PA). This excludes dissolving pulp and pulp produced for hardboard, fiberboard, and related products. This is down and relatively unchanged from 2001 but 12% below the previous high produced in 1995. Most U.S. paper companies have experienced poor financial returns for nearly a decade. With the exception of a short-lived boom in 1995, the 1990s were a decade of low profitability, plagued by overcapacity and low commodity prices. The AF&PA's 2002 capacity survey revealed that paper and paperboard new capacity growth in the United States declined by 0.3% per year in the period between 1999 and 2002. The negative growth of the past 2 years was the first time that capacity had ever declined for 2 years in a row in more than 40 years, according to the AF&PA (and American Paper Institute (API)) compiled capacity data.

On the basis of the above volumes, related data on pulpwood production published by the American Pulpwood Association (APA), which includes both roundwood and chips, is estimated to be 84 million cords in 2002 (Table 24, Fig. 10). This volume is about 1.4% below 2001 and 13.4% below the record high level established in 1994. The decline in pulpwood production continues the downward trend that began in 1996, coinciding with the decline in woodpulp production. Mill shutdowns had a strong impact with nearly 3.7 million tons of paper and paperboard capacity removed between 1998 and 1999. Softwood roundwood and chip production in 2002 was 53.7 million cords, down 1.3% from 2001 (Table 24). The slowdown in pulpwood production identified in 1999 has continued into 2002. There were continued small declines in output in all three major producing regions in 2002. In the west, production of softwood in 2002 dropped slightly from 2001 to 3.5 million cords. Output in the North was down less than 1.0% to 5.5 million cords. Southern softwood roundwood production also declined in 2002, falling by less than 1% to 44.8 million cords. More than 83% of U.S. softwood roundwood pulpwood produced came from southern forests.

Output of hardwood roundwood and chips in 2002 was 30.3 million cords down from 30.7 million cords in 2001. Although the output of hardwood pulpwood and chips was down, the proportion of total round pulpwood and chips from hardwood species increased. This continues the reversal of the downward trend that occurred in 1974. Through the 1960s and early 1970s hardwoods became an increasingly important source of round pulpwood, a reflection of changes in pulping technology, the types of pulp produced, and the relative price of different species. During 2002,

hardwood pulpwood comprised 36% of total U.S. pulpwood production. This is down from 41% of pulpwood production at the high point in production during 1994. Further erosion in pulpwood demand is likely as capacity to produce paper and paperboard remains flat and the percentage of recycled fiber inches higher.

**Southern pulpwood production continues decline falling to 66.4 million cords in 2002**

The Forest Resource Association data on pulpwood receipts indicate that pulpwood production in the South in 2002 was 66.4 million cords, down slightly from 2001 production but 10.4% below the high production year in 1994 when 74.1 million cords of pulpwood was produced (Table 25, Fig. 11). This marks the fifth consecutive year of small pulpwood declines in the South. The 66.4 million cords of production also represents the lowest pulpwood production level during the last 12 years. The South has accounted for more than 65% of total U.S. pulpwood production in the past 10 years.

All of the 14 States in the South have been affected by the decline in pulpwood production noted above. However, this decline has been greatest in Georgia and Alabama, which together account for a third of the pulpwood output in this region. This is consistent with the location of the industry within the area. Of the total number of pulpmills in the South, some 26% are located in Alabama and Georgia.

About 67% of the 66.4 million cords of round pulpwood harvested in the South in 2002 was softwoods. This proportion has been falling during the last decade. Southern softwood roundwood output has been declining more than hardwoods during the past 5 years. Between 1998 and 2002, for example, hardwood roundwood production declined by an average of 0.4 million cords per year while softwood roundwood declined on average by 0.8 million cords per year since 1998.

**Production in the West has declined during the last decade**

Receipts of domestically produced pulpwood in the West continued the declines that have lasted throughout the 1990s. Softwood production in the West has fallen in each year since 1988. Softwood production was 3.5 million cords in 2002 down from 3.8 million cords last year and down from 17.4 million cords of production in 1988 (Table 25, Fig. 12). Chips accounted for roughly the same percentage of pulpwood production in 2002 as they did in 2001, declining slightly during the last 5 years. Of the total production of pulpwood (roundwood and chips), 77% was from softwood species. Production of hardwood roundwood has also declined during the last 5 years.

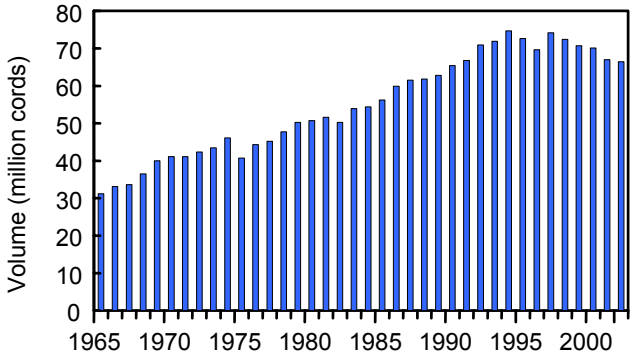



**Figure 11—Pulpwood production in U.S. South, 1965–2002.**

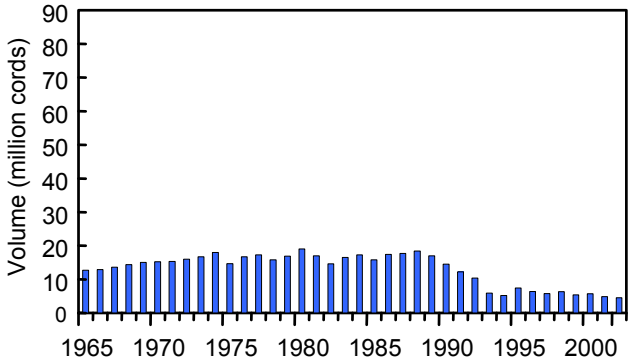



**Figure 12—Pulpwood production in U.S. West, 1965–2002.**

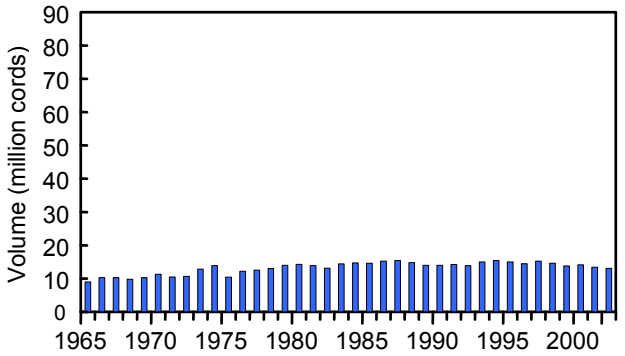



**Figure 13—Pulpwood production in U.S. North, 1965–2002.**

**Output in the North declines slightly**

Data on domestically produced mill receipts indicate that pulpwood production in the North, roundwood plus chips, was 13.1 million cords in 2002, down slightly from 13.4 million cords in 2001 (Table 25, Fig. 13). About 58.3% of the total was from hardwood species, a little below the proportion in 2001. Seventy-two percent of total

pulpwood output in the North was from roundwood, about equal to the proportion for the South in 2002. The use of chip residues in the North has been declining steadily as in other U.S. regions.

**Pulpwood prices declined during 2002**

The combination of falling prices and lower volumes removed an estimated $1 billion from the U.S. woodfiber markets in 1999, compared with 1 year earlier, a loss of 14% (Miller Freeman 1999). The decline in prices contributed to the decrease in both U.S. softwood and hardwood demand as more than a quarter of the country's 186 pulpmills shut down since 1996. Pulpwood stumpage prices during 2002 continued the decline started in 1999. Pine and hardwood pulpwood prices peaked in the South, the Nation's largest fiber market during 1998 when the stumpage price for Louisiana pine was $28.8 per cord (1997 dollars), before falling to $16.2 per cord in 2002 (Table 26). Delivered pulpwood price for Southern Pine was $59.60 per cord in 2001 before increasing slightly during 2002 to $60.6 dollars per cord (Table 27).

Pulpwood prices vary a great deal among species and regions. In general, prices are highest for softwoods, especially the long fiber northern species such as spruce and fir. In some areas in response to changes in pulping technology and pulpwood availability and quality, the relationship between hardwood and softwood prices has changed. But softwoods still command a higher price than hardwoods. For example, in Louisiana, the softwood pulpwood price per cord stayed at a higher level than hardwoods during the 1990s for every year other than 1995 when the price of hardwood pulpwood exceeded the softwood price. This trend continued into 2002 but has since changed.

Pulpwood stumpage prices for most species followed the same trends and slowed during 1999 (Tables 26 and 27). In Louisiana for example, Southern Pine pulpwood stumpage decreased from $17.31 (1997 dollars) in 2001 to $16.20 (1997 dollars) in 2002. In contrast to softwoods, Louisiana hardwood stumpage prices increased from 2001 to 2002 rising 13% compared with a 6.4% decline for Southern Pine in real prices. Pulpwood and pulpwood stumpage prices have been quite volatile during the last 10 years. Most of the volatility has been due to falling capacity and industry restructuring resulting in lowered demand. The U.S. pulp and paper industry has brought capital spending to levels well under depreciation and amortization, effectively pulling capital out of the industry. U.S. companies have also been consolidating their operations in response to increased global competition and poor financial returns. The result has been a rationalization of marginal mills, further reducing the capacity base.

**Apparent pulpwood consumption in U.S. wood pulp mills declined to 82.7 million cords in 2002**

Apparent pulpwood consumption in U.S. wood pulp mills in 2002 was an estimated 82.7 million cords (Table 24, Fig .14). This was a small decline from the 83.4 million cords of consumption in 2001. This marks the fifth consecutive year of decline in pulpwood consumption. In total, about 84 million cords of pulpwood domestic production plus net imports were required to meet the relatively flat demand for paper, paperboard, and pulp products in 2002. Wood requirements for exports amounted to an additional 1.4 million cords.

## Structural Panels and Veneer

Softwood plywood production in 2002 was estimated at 15.2 billion $ft^2$ (3/8-in. basis) based on data published by APA (Table 37, Figs. 15 and16). This is slightly above 1-year-ago softwood plywood production, marking the first time since 1999 that softwood plywood production increased. The rise in production during 2002 may be short lived as OSB continues to increase its market share of the market once dominated by plywood. For example, between 1994 and 2002, plywood production declined by 22%.

Historically, production of softwood plywood has been concentrated in the West, chiefly in the Pacific Coast States of Washington, Oregon, and California. However, these three States during 2002 accounted for only 22.9% of plywood production. In the years since the first plywood plant began production in the South, production in that region has grown to 68% of total U.S. production. For example, during the last 12 years (1990 to 2002), production has increased to 10.3 billion $ft^2$ (3/8-in. basis) in 2002 while falling to 3.5 million $ft^2$ in the West. Although the volume produced was down somewhat during the last 3 years in the South, the percentage of total U.S. production from southern plants continued to increase. About two-thirds of the softwood plywood manufactured in 2002 was from Southern Pine.

**Production of hardwood plywood declined slightly during 2002**

Hardwood plywood production fell 0.4% from 1 year ago to an estimated 2.0 billion $ft^2$ in 2002 (3/8-in. basis) (Table 37, Fig. 17). This volume, the lowest since 1999, continues the recent trend of small annual decreases during the last 2 years. Weak demand from the furniture, cabinetry, and fixtures sector was the main factor causing the 0.4% decline in production. Stock hardwood plywood accounts for slightly more than half of all the hardwood plywood produced. Of this amount, eastern producers, with their proximity to the hardwood forest resource, produce 60% of hardwood plywood while western producers account for 38% of production, with the Great Lakes States making up the remainder.

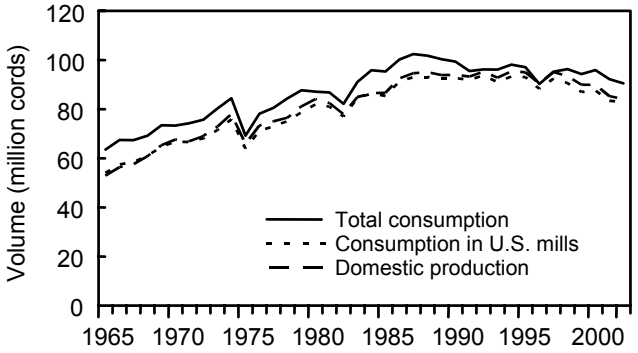



**Figure 14—Total pulpwood production and consumption, 1965–2002.**

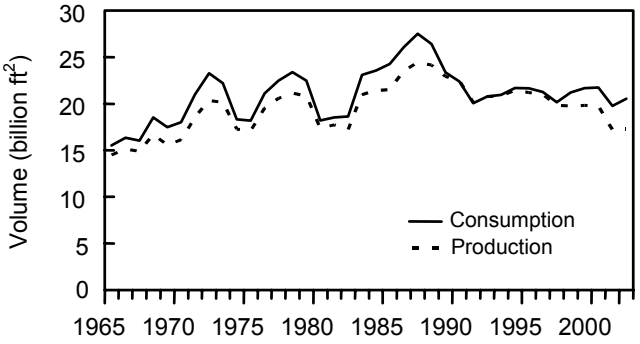



**Figure 15—Total plywood production and consumption, 1965–2002.**

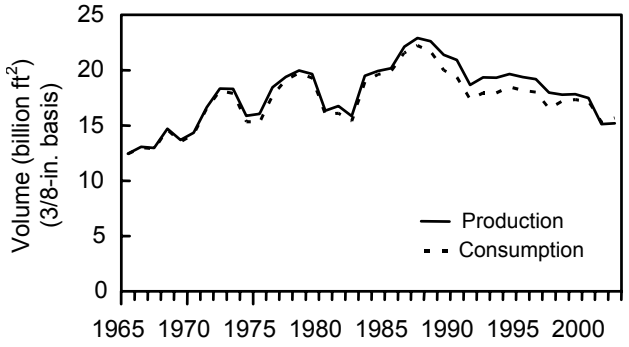



**Figure 16—Softwood plywood production and consumption, 1965–2002.**

Hardwood plywood producers use a wide range of species for the face veneers of their products. Red oak remains the most popular species at 38% of the market, followed by birch at 29%, and maple at 17%. The cores used in the hardwood plywood industry vary from veneer plys at 63% of the market to MDF cores at 16%. The use of MDF and particleboard cores has increased steadily since 1991.

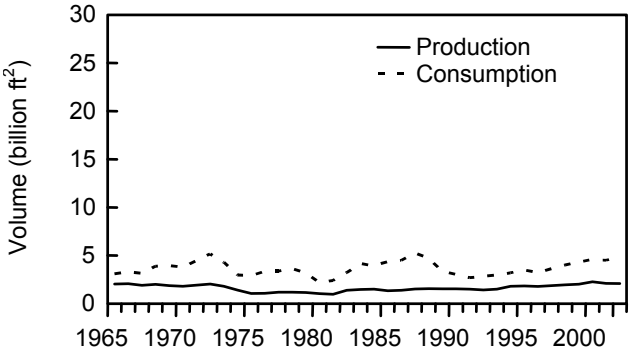



**Figure 17—Hardwood plywood production and consumption, 1965–2002.**

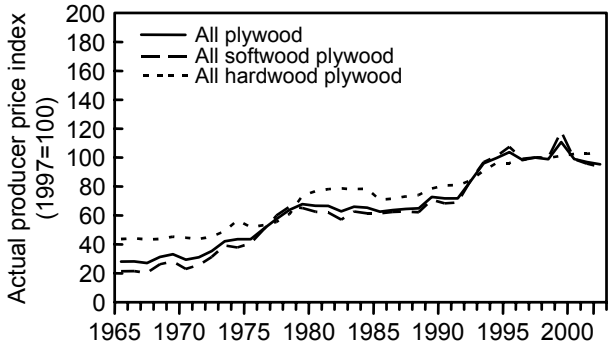



**Figure 18—Actual producer price indexes for plywood, 1965–2002.**

**Softwood plywood prices declined in 2002**

Softwood plywood prices as measured by the actual producer price index, have fallen sharply since 1999 (Table 42, Fig.18), reaching 93.7 (1997=100), which was 26.2% below the high of 1999. The extent of the decrease, particularly for the types and grades used in construction will depend primarily on continued strength in the housing markets and the market penetration of OSB. The 2002 relative softwood plywood price index was 77.7 (Table 42, Fig.19). This was slightly above the 1-year-ago level. Industry experts believe this could signal the beginning rise in structural panel prices for 2003.

**Hardwood plywood prices increase slightly**

Hardwood plywood prices have risen slowly upward since 1999 (Table 42, Figs. 18 and 19). The actual hardwood plywood price as indicated by the actual producer price index for 2002 was 103.5 (1997=100), slightly above the 102.6 level registered a year earlier. The relative index also registered a small increase for 2002.

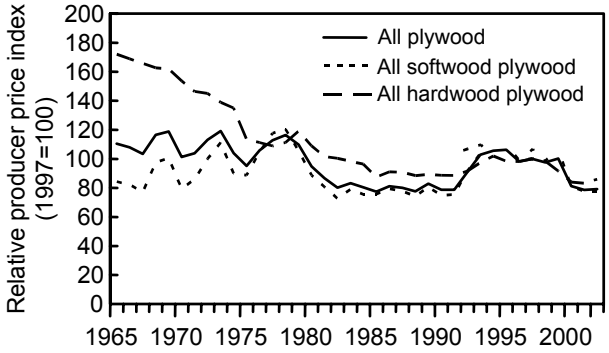



**Figure 19—Relative producer price indexes for plywood, 1965–2002.**

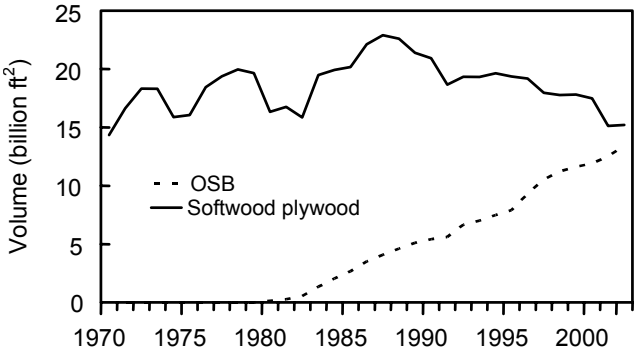



**Figure 20—Softwood plywood and oriented strandboard (OSB) production, 1970–2002.**

**Softwood plywood imports and exports showed varying results in 2002**

Imports of softwood plywood, about 924 million ft$^2$ (3/8-in. basis) in 2002 increased 25% compared with 2001 (Table 37). Imports of softwood plywood are small relative to overall U.S. plywood consumption. Exports, estimated at about 382 million ft$^2$, registered the fifth year of decline after 10 years of growth. Exports in 2002 were 9.4% below exports in 2001. In spite of the decreases in exports since 1998, softwood plywood exports composed only 2.2% of total domestic production during 2002.

Softwood veneer imports were an estimated 2.4 billion ft$^2$ surface measure in 2002 (Table 40). This is 12.1% greater than the volume of imports compared with 1 year ago, composing about 50.6% of total veneer imports. Softwood veneer exports increased to 260.3 million ft$^2$ surface measure in 2002. This was a slight increase of 0.45% compared with 2001.

**Hardwood plywood imports up 13.2% in 2002**

Hardwood plywood imports in 2002 were 2.9 billion ft$^2$ (3/8-in. basis), 13.2% above 1 year ago. The 2.9 billion ft$^2$ is the highest level of imports since 1988 when 3.2 billion ft$^2$ were also imported. This continues the trend of import growth for hardwood plywood to the U.S. since 1988 (Table 37).

During the 1960s and 1970s, Korea was the principal source of hardwood plywood imports to the United States. This has changed during the last decade with Canada, Brazil, Malaysia, and the Russian Federation becoming the major source of hardwood plywood imports. Asia is still the largest source of U.S. hardwood plywood imports, accounting for 52.1% of all hardwood plywood imported to the United States in 2002 (Table 39).

Imports of hardwood veneer, used chiefly in the manufacture of hardwood plywood in U.S. mills, totaled 2.3 billion ft$^2$ (surface measure) in 2002 (Table 40). This was 16.4% above 2001 and 16.4% below the peak import year of 1972. Since 1972, imports of hardwood veneer have been falling downward.

Hardwood plywood exports in 2002 totaled 180 million ft$^2$ (3/8-in. basis) (Table 37). This was 1.0% above 2001 reversing a 5-year decline that started in 1998. The increase in exports represents demand from the European and Canadian markets. Brazil, Indonesia, Malaysia, and the Russian Federation are the top four markets, representing nearly 71.4% of U.S. exports of these products. Hardwood veneer exports were an estimated 3.7 billion ft$^2$ (surface measure) in 2002, 9.4% above 2001 and the highest volume on record.

**Softwood plywood consumption up 2.2% in 2002 as OSB increases market share**

Consumption of softwood plywood in 2002 was an estimated 15.7 billion ft$^2$ (3/8-in. basis) (Table 37, Fig. 20). This is 2.2% above consumption in 2001 and represented the second consecutive year that softwood plywood consumption has increased.

The small rise in consumption in 2002 after small declines during the last decade represents the gains made in the plywood market by OSB**.** Since 1992 when OSB was certified to perform as well as softwood plywood, OSB has been rapidly eroding the market share of softwood plywood. This certification allows OSB to compete directly for the same markets while offering the consumer a lower cost product. However, certain applications are still dominated by the use of softwood plywood, such as underlayment for floors.

In the United States, there were 96 plywood-producing mills and 37 OSB mills (APA—The Engineered Wood Association 2000) in 1999. Nearly 68% of all grades of softwood plywood are produced in the South. The West, the traditional producer of softwood plywood, especially Douglas Fir

plywood, is slowly adapting to serving niche markets because of the reduced timber supplies from public lands.

Although OSB is increasing market share in the previously dominated softwood plywood market, a strong residential construction market can explain some of the consumption increase for softwood plywood during 2002. Also important are nonresidential construction, manufacturing, and maintenance, repair, and remodeling. The large proportion of single-family houses, which use more plywood per unit than multi-family structures, also contributed to the overall rise. These factors suggest that future changes in demand for softwood plywood will probably be closely related to changes in the volumes of residential construction and OSB production.

**Consumption of hardwood plywood increased 7.5%, and this trend is expected to continue**

Apparent consumption of hardwood plywood rose 7.5% in 1999 to an estimated 4.8 billion $ft^2$ (3/8-in. basis) (Table 37, Fig. 17). This was 364 million $ft^2$ more than in 2001 and represents a continuation of the rising trend since the past decade. The continued increase in 2002 in part reflected the strong housing market, an important market for hardwood plywood for wall paneling, kitchen cabinets, and door skins. Although mobile home output weakened in 2002, mobile home production as well as furniture output contributed to the increase.

In 2002, 60.5% of the hardwood plywood consumed in the U.S. was supplied by imports (Table 37). This has been the trend throughout the 1990s and into 2002 as hardwood plywood imports consistently account for at least 60% of hardwood plywood consumption.

**Log trade during 2002 remains mixed**

Total softwood log exports decreased 10.1% during 2002 from 1 year ago (Table 18). Softwood log exports from the western United States though continued a downward trend as Douglas Fir log exports declined 3.8% in 2002 compared with 2001 and are down more than 300% since 1988. Canada was the largest importer of logs from the United States; receiving 56% of U.S. softwood logs exports. Japan was second importing 27.8% from the United States, with South Korea being a distant third. During 2002, Log imports from Canada continued strong with Canada remaining the principal exporter of softwood logs to the United States. Softwood log imports accounted for 86% of all log imports (Table 16). Hardwood log imports from Canada decreased by 0.9% in 2002 compared with 2001. Total hardwood log imports from all sources increased by 15.3% from a year earlier.

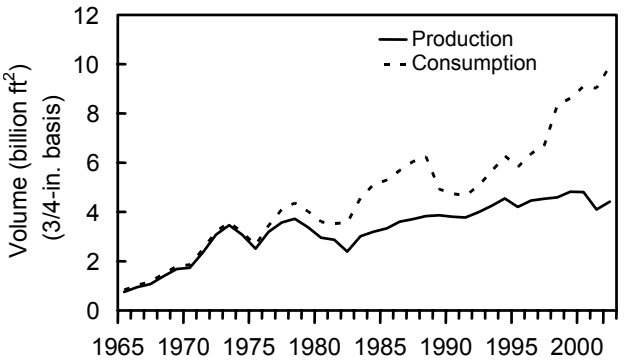



**Figure 21—Particleboard production and consumption 1965–2002.**

# Particleboard, Hardboard, and Insulation Board Production, Prices, Trade, and Consumption

According to estimates of the National Particleboard Association, production of particleboard in 2002 totaled 4.4 billion $ft^2$ (3/4-in. basis), up from 4.0 billion $ft^2$ in 2001 (Table 53, Fig. 21). Particleboard is a generic term for a panel primarily composed of cellulose materials (usually wood), generally in the form of discrete pieces or particles. The cellulose materials are combined with a synthetic resin or another bonding system. Because of its uniformity, flatness, and dimensional stability, particleboard is used primarily for floor underlayment, kitchen counter underlayment, furniture components, and cabinet components. Part of the continued rise of particleboard production in the 1990s was the continued strength of the housing industry.

Foreign trade in particleboard was insignificant before the mid-1960s, and very small through the early 1970s; however, both imports and exports experienced growth during the 1980s. Exports increased to an estimated 119 million $ft^2$ (3/4-in. basis) in 2002, the third consecutive year of increases. Imports of particleboard fell by 42% in 2002.

Apparent consumption of particleboard rose 6.1% during 2002 compared with 2001, after decreasing during 2001.

**Medium-density fiberboard output increasing**

Production of MDF in 2002 was 1.6 billion $ft^2$ (3/4-in. basis). This is up from the 1.4 billion $ft^2$ of production in 2001. The major market for MDF at the present time is furniture and cabinetry applications because of its smoothness, dimensional stability, paintability, and the sharp lines that are left after a decorative cut is made on the panel.

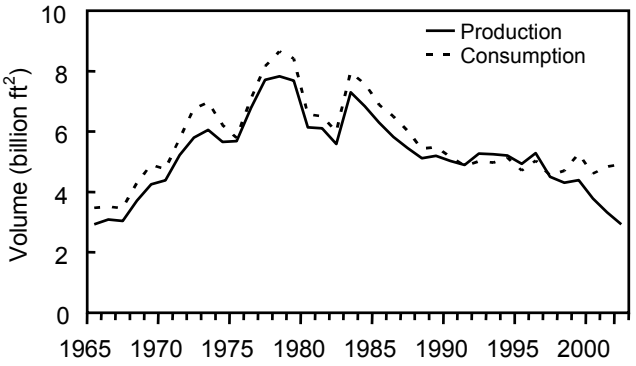



**Figure 22—Hardboard production and consumption, 1965–2002.**

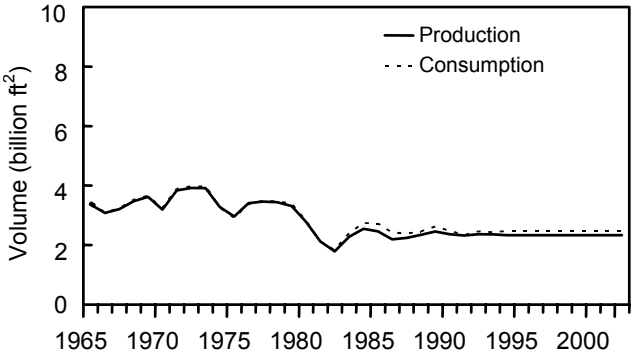



**Figure 23—Insulation board production and consumption, 1965–2002.**

**Hardboard production declines as consumption rises**

Hardboard production in 2002 was estimated to be 2.9 billion $ft^2$ (1/8-in. basis) (Table 56, Fig. 22**)**. This was 13.8% below 1 year ago but 44.7% below 1996. Hardboard production has been down since 1983 when hardboard production was 7.3 billion $ft^2$.

Imports of hardboard in 2002 amounted to 2.7 billion $ft^2$, 14.1% above 2001, continuing the upward trend of hardboard imports that started in 1993. Imports accounted for 48% of total U.S. hardboard consumption in 2001. Exports of hardboard declined further in 2002 after a short-lived growth period during the mid-1990s. Exports of hardboard, although declining, still account for 22.3% of total production.

Consumption of hardboard in 2002 was 4.9 billion $ft^2$, 1.9% above 2001. This increase in consumption is reflected in part by a strong housing sector. Hardboard is used primarily in the construction industry for exterior siding in new residential construction. In 2002, just more than half of all hardboard consumed was for residential exterior siding. Compressing wood fibers under extreme heat and pressure to form a panel produces hardboard.

**Insulation board production remains flat in 2002**

Production of insulation board in 2002 was about 2.3 billion $ft^2$ (1/2-in. basis) or 857,000 tons (Tables 54 and 55, Fig. 23). Imports and exports of insulation board were relatively small, amounting to 112,000 and 62,000 tons, respectively. Production and trade of insulation board has been flat since 1993. The long-run outlook is one of no growth. Further developments of structural grades of particleboard at competitive prices could further accelerate particleboard demand for sheathing and other construction uses. MDF should also continue to provide increasing competition for the traditional board uses.

# Miscellaneous Timber Products Production, Prices, Trade, and Consumption

**Use of roundwood for miscellaneous industrial products hold steady**

Production of miscellaneous industrial roundwood products, which includes cooperage logs, poles and piling, fenceposts, mine timbers, and an assortment of other products such as hewn ties and box bolts is estimated at 263 million $ft^3$ in 2002. This volume has been declining annually during the last 12 years (Table 5a).

**Estimated round fuelwood production rises**

Production of round fuelwood in 2002 is estimated at 1.6 billion $ft^3$, down slightly from 2001. Fuelwood consumption dropped sharply in the first five decades of the past century because of the substitution of oil, gas, coal, and electricity in home cooking, heating, and industrial uses. In recent years however, substantial markets have developed for fireplace wood. Projected increases in income, population, and residential construction indicate this market will continue to grow.

**Turpentine production continued to increase in 2002**

Total domestic turpentine production increased 7.1% to 24.2 million gallons in 2002 (Table 59). This equals the 1999 volume and is a continuation of the volatility that has seen production fluctuate during the last decade. Total production in 2002 was composed of 100% sulphate turpentine. Historically, gum and steam distilled constituted about 15% of total turpentine production. But since 1985, the industry has declined and crude turpentine has dominated production. In the United States, the principal sources of turpentine are the longleaf and slash pine in the South. The substance obtained from

these and other species of trees consists of 75% to 90% resin and 10% to 25% oil. Crude commercial turpentine is valuable mainly as a source of resins.

**Production of rosin rebounds after a year of decline**

Domestic production of rosin in 2002 rebounded after a year in decline during 2001. During 2002, rosin production was 229,800 tons, an increase of 10.1% compared with 2001. The 2002 production was 25.1% below the all time high of 308.4 set in 1997. Historically, gum and steam rosin composed about 15% of the industry. Since the mid-1980s tall oil rosin has dominated the industry. Tall oil rosin is the rosin remaining after the removal of substantially all of the fatty acids from tall oil fractional distillation or other suitable means. The fatty acid content shall not exceed 5%.

# Sustainable Forest Management Criteria and Indicators

The Montreal criteria and indicators (C&I) of sustainable forest management (SFM) include seven criteria and sixty-seven indicators that measure the diverse sets of values that society places on forest resources (USDA Forest Service 1997). The support and development of the C&I for the United States reflects the evolution of forest policies and priorities in forest management among the diverse stewards of U.S. forest resources. Six of the nineteen indicators under Criterion 6, maintenance and enhancement of long-term multiple socioeconomic benefits to meet the needs of societies, assess the production and consumption of forest products. A subset of four of the six production and consumption indicators parallel and complement the standard measures in this report. These indicators are as follows:

- Value and volume of wood and wood products production, including value-added through downstream processing (indicator 29)
- Value of wood and nonwood product production as a percentage of GDP (indicator 32)
- Degree of recycling of forest products (indicator 33)

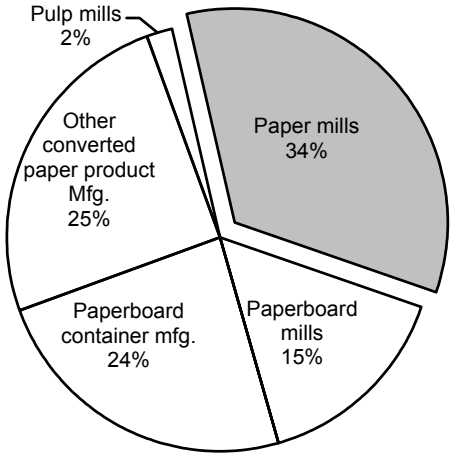
Measures of production, consumption, and value are important to the goals underlying sustainable forest management. These types of measures reflect the importance of forest resources in supplying raw materials for manufacturing and the value that society places on the production of wood and wood products. Strategies to achieve sustainable forest management must reflect the role of forest resources in maintaining a dynamic and strong economy as a primary component of meeting the need of society.

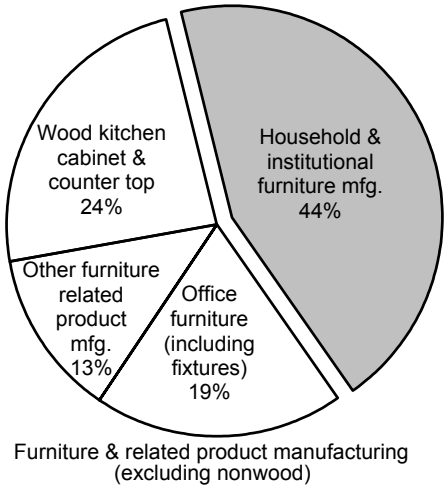
## Volume and Value of Wood and Wood Products Production

The total volume of wood products production continues to grow, reflecting the value society places on wood raw materials. However, the mix of wood products reflects changing needs for specific types of products as well as technological change to accommodate increased competition for forest resources and to maintain an affordable supply of goods and services for consumers. The total volume of wood products production (in roundwood equivalent inputs) in the United States, including fuelwood, has increased from 12.3 billion $ft^3$ in 1965 to 16.5 billion $ft^3$ in 2002 (Table 5a). Of that production, approximately 63% and 37% was softwood and hardwood, respectively, in 2002, based on roundwood equivalent inputs (Tables 6a and 7a). The value of shipment for all wood, furniture, and paper products production surpassed $315 billion in 2001 (Department of Commerce 2003) down from $334 billion in 2000. Value-added from all wood, furniture (including nonwood furniture), and paper products surpassed $148 billion in 2001 down from $154 billion of a year ago (Department of Commerce 2003). Although lumber and wood products value-added accounted for 22% of total value added or 33 billion dollars, the highest value-added continues to come from the paper and allied products sector of forest products (Fig. 24). In 2001, this sector produced more than $74 billion of value-added, primarily by paper mills and paperboard container and box manufacturing. Furniture and fixtures (excluding nonwood furniture) represented 22% of value-added, or more than $32 billion, in 2001.

The total volume of sawnwood production has decreased in proportion to other wood products from 51% of industrial roundwood production in 1965 to 44% in 2002 (Table 5a). Nevertheless, the volume of sawnwood production increased by 15% during the 37-year period; the lowest volume was 5.1 billion $ft^3$ in 1982 and the highest almost 7.6 billion $ft^3$ in 1988. On average, the value of sawnwood production has continued to increase in real terms (net of inflation), although in effect, it is still recovering from sharp declines in the early 1980s (Fig. 25). Meanwhile, the value-added by sawnwood production remained fairly stable during the 1990s at around $8 billion in real terms before declining to $7 billion in 2001. The volume of sawnwood production increased by as much as 1.1 billion $ft^3$ from the low in 1982 to the current level of 7.2 billion $ft^3$ in 2002. Rising real lumber prices are significant drivers in the introduction of new technologies to use more species, smaller dimension wood, and residues to make composite structural panels and engineered wood components such as OSB, I-beams, laminated beams, and truss framing.

The production of plywood and veneer has declined in recent years, falling to the level produced in 1965. Other wood-based panels production has increased since 1965.



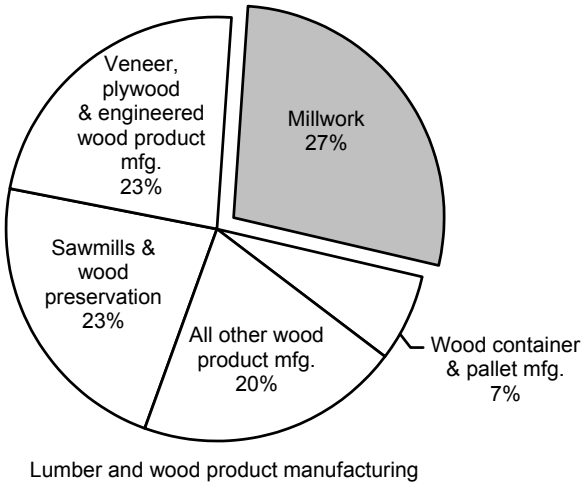




**Figure 24—Value-added categories of wood and wood fiber products in 2001.**

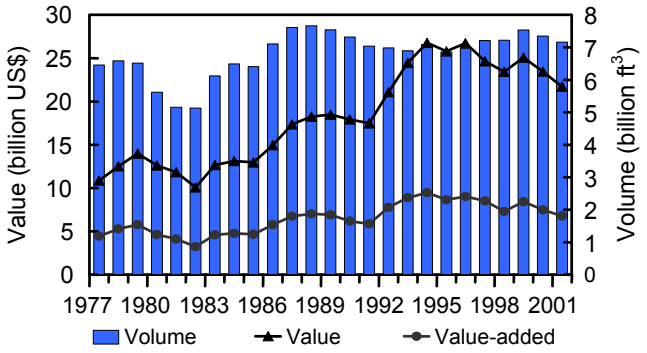



**Figure 25—Volume, value, and value-added of U.S. sawn wood production (Howard 2001).**

Although current levels of plywood production are well below the peak level of 22.8 billion $ft^2$ (3/8-in. basis) in 1987 (Table 33), the total value of plywood shipments decreased slightly to $7.6 billion in 2001 and made up more than 10% of the total value-added of all wood products (Department of Commerce 2003).

Pulp and paper products provide the highest value among wood commodities produced in the United States. The recent decrease in pulp and paper production reflects significant link between increased use of electronic media and decreased demand for pulp and paper products. Paper and board products by weight increased more than 121% since 1965 (Table 42). The value-added of pulp and paper production has fluctuated widely during some periods but was $44 billion in 2001 (Department of Commerce 2003). The decrease in pulp and paper volumes with somewhat falling values reflects advances in recycling as well as efficiency gains and lower production costs of foreign competitors.

## Supply and Consumption of Wood and Wood Products

In addition to knowing the historic and current levels of production, we need to assess our ability to maintain, increase, or decrease levels of production in response to the changing needs of society. The rationale for this indicator is that we will know to what extent we have met and can continue to meet wood demands with our available supply. The additional information gained with this measure compared with the production and value indicators is that supply reflects all sources, domestic and international, of wood. However, no C&I variables directly measure the balance of trade in wood products; thus, potential dependence on outside sources (a possible indicator of management away from sustainable levels) is not evident.

The deficit in U.S. production compared with U.S. consumption of industrial wood products (in roundwood equivalents) increased net imports from just more than 1 billion $ft^3$ in

1965 to almost 3.1 billion $ft^3$ in 2002 (Table 5a). This figure includes wood imports of more than 4.9 billion $ft^3$ and exports of 1.8 billion $ft^3$. Imports (in roundwood equivalents) constituted more than 25% of the volume consumed in 2002, compared with 12% in 1965 (Table 5a). Softwood lumber remains the primary import into the United States; approximately 62% or 3.0 billion $ft^3$ (in roundwood equivalents) of total wood imports in 2002 (Table 5a and 6a).

The roundwood equivalent of the total consumption of wood products in the United States has steadily increased during the last 37 years from 13.3 to 19.6 billion $ft^3$. Fluctuations in wood products flow reflects periods of economic downturns and recovery as the demand for wood and wood products generally tracks basic macroeconomic indicators, such as those summarized in Table 1. Slower rates of increase in the consumption of wood products since 1990 have resulted in relatively stable trends in per capita wood consumption averaging about 72 $ft^3$ compared with the previous decade (Fig. 26). Per capita consumption by wood products sector shows a fairly stable proportion of individual consumption of most products, with slight decreases in plywood and veneer consumption (Fig. 27).

## Value of Wood and Nonwood Production as a Percentage of GDP

The rationale for this indicator is that the percentage of production that an industry contributes to total domestic production reflects its value to society through contributions to national income and its competitiveness among other economic sectors The value-added of wood production as a percentage of GDP has remained fairly stable at approximately 2% in real terms during the past three decades (USDA Forest Service 2002). The total value of shipments of wood and wood products as a percentage of GDP has averaged more than 4.3% annually in the latter part of the 1990s and in 2002. A simple measure of percentage of GDP might mask the move towards unsustainable levels of production if the resource is becoming scarce from overexploitation. If assessed relative to biophysical measures of land availability, rates of fragmentation, and timber productivity, this measure will provide a more comprehensive picture of sustainable forest management levels of production and consumption.

## Recycling of Forest Products

The rationale for this indicator is that resource use and the conservation of forest resources are impacted by our re-use, recycling, and recovery of materials as well as direct consumption of resources. The value of a resource can be reflected in the level of recycling of products from that resource (USDA Forest Service 2002).

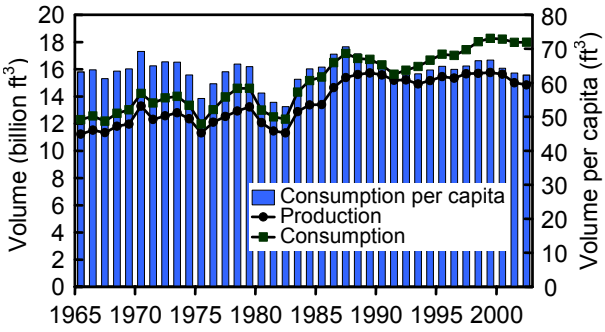



**Figure 26—U.S. production and consumption of roundwood, 1965–2002.**

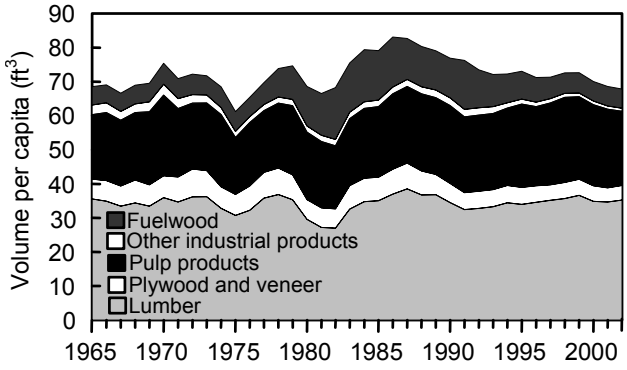



**Figure 27—U.S. per capita consumption of wood products, 1965–2002.**

Traditionally, recovery and recycling in the forestry sector has been associated primarily with paper and paper products, namely newsprint and office wastepaper. The majority of available data reflects these products. Recently, research and data on the recycling of solid wood materials from demolished structures, construction sites, and mill residues reflects the increasing value that society places on forest resources. Paper and paperboard recycling has increased steadily during the last few decades, with significant increases in the 1990s. As of 2002, paper and paperboard were being recovered in the United States at a rate of 48.1%, up from 22% in 1970, while utilization of recovered paper was 38%, up from 25% in 1965 (Tables 45 and 46).

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**Table 1—Measures of economic growth, population, and prices, 1965–2002**

| Year | Gross domestic product[a] | | Disposable personal income[a] | | Expenditures for new construction[b] | | Non-residential fixed investment[c,a] | Number of housing starts[d] | Mobile homes[d] | Popula-tion[a] | Index of industrial production | | | | Producer price index all commodities[f] | Consumer price index all items[a] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | Total industrial production[a,e] | Manufac-turing[a,e] | Furniture and fixtures[e] | Paper and products[e] | | |
| | *Billion current dollars* | *Billion 1996 dollars* | *Billion current dollars* | *Billion 1996 dollars* | *Billion current dollars* | *Billion 1996 dollars* | *Billion 1996 dollars* | *Thousand units* | *Thousand units* | *Millions* | *1997=100* | *1997=100* | *1997=100* | *1997=100* | *1997=100* | *1997=100* |
| 1965 | 719.1 | 2,998.7 | 493.9 | 2,059.6 | 81.9 | 341.5 | 226.7 | 1,473 | 217 | 194.3 | 40.3 | 37.3 | 36.6 | 39.4 | 25.4 | 19.6 |
| 1966 | 787.8 | 3,193.4 | 533.7 | 2,163.4 | 85.8 | 347.8 | 255.0 | 1,165 | 217 | 196.6 | 43.9 | 40.7 | 39.4 | 42.5 | 26.1 | 20.2 |
| 1967 | 833.6 | 3,278.0 | 571.9 | 2,248.9 | 87.2 | 342.9 | 251.5 | 1,292 | 240 | 198.7 | 44.8 | 41.4 | 39.4 | 42.5 | 26.2 | 20.8 |
| 1968 | 910.6 | 3,432.3 | 621.4 | 2,342.3 | 96.8 | 364.9 | 262.5 | 1,508 | 318 | 200.7 | 47.3 | 43.8 | 40.8 | 45.0 | 26.8 | 21.7 |
| 1969 | 982.2 | 3,531.8 | 668.4 | 2,403.5 | 104.9 | 377.2 | 282.4 | 1,467 | 413 | 202.7 | 49.5 | 45.7 | 42.7 | 48.4 | 27.9 | 22.9 |
| 1970 | 1,035.6 | 3,535.7 | 727.1 | 2,482.4 | 105.9 | 361.6 | 280.8 | 1,434 | 401 | 205.1 | 47.9 | 43.6 | 40.0 | 47.9 | 29.0 | 24.2 |
| 1971 | 1,125.4 | 3,650.3 | 790.2 | 2,563.1 | 122.4 | 397.0 | 280.6 | 2,052 | 497 | 207.7 | 48.5 | 44.3 | 41.6 | 50.0 | 29.9 | 25.2 |
| 1972 | 1,237.3 | 3,844.9 | 855.3 | 2,657.9 | 139.1 | 432.3 | 306.1 | 2,357 | 576 | 209.9 | 53.2 | 48.9 | 50.2 | 62.5 | 31.3 | 26.1 |
| 1973 | 1,382.6 | 4,064.1 | 965.0 | 2,836.6 | 153.8 | 452.1 | 350.7 | 2,045 | 567 | 211.9 | 57.5 | 53.3 | 53.5 | 67.7 | 35.3 | 27.7 |
| 1974 | 1,496.9 | 4,050.1 | 1,054.2 | 2,852.3 | 155.2 | 419.9 | 353.5 | 1,338 | 329 | 213.9 | 57.2 | 53.1 | 49.8 | 70.8 | 41.9 | 30.7 |
| 1975 | 1,630.6 | 4,039.1 | 1,159.2 | 2,871.4 | 152.6 | 378.0 | 318.4 | 1,160 | 213 | 216.0 | 52.0 | 47.5 | 42.6 | 61.3 | 45.8 | 33.6 |
| 1976 | 1,819.0 | 4,251.0 | 1,273.0 | 2,975.0 | 172.1 | 402.2 | 334.1 | 1,538 | 246 | 218.0 | 56.0 | 51.7 | 47.6 | 67.7 | 47.9 | 35.6 |
| 1977 | 2,026.9 | 4,445.9 | 1,401.4 | 3,073.9 | 200.5 | 439.8 | 371.6 | 1,987 | 277 | 220.2 | 60.1 | 56.1 | 53.2 | 70.6 | 50.9 | 37.8 |
| 1978 | 2,291.4 | 4,700.3 | 1,580.1 | 3,241.2 | 239.9 | 492.1 | 424.1 | 2,020 | 276 | 222.6 | 63.4 | 59.5 | 58.1 | 73.6 | 54.8 | 40.7 |
| 1979 | 2,557.5 | 4,852.9 | 1,769.5 | 3,357.7 | 272.9 | 517.8 | 466.6 | 1,745 | 277 | 225.1 | 65.3 | 61.2 | 59.5 | 74.8 | 61.8 | 45.2 |
| 1980 | 2,784.2 | 4,852.2 | 1,973.3 | 3,439.0 | 273.9 | 477.3 | 466.3 | 1,292 | 222 | 227.7 | 63.5 | 58.9 | 58.0 | 74.6 | 70.4 | 51.3 |
| 1981 | 3,115.9 | 4,969.5 | 2,200.2 | 3,509.1 | 289.1 | 461.1 | 492.6 | 1,084 | 241 | 230.0 | 64.3 | 59.5 | 58.5 | 75.7 | 76.9 | 56.7 |
| 1982 | 3,242.1 | 4,874.6 | 2,347.3 | 3,529.2 | 279.3 | 419.9 | 474.2 | 1,062 | 240 | 232.2 | 60.9 | 56.2 | 55.7 | 74.3 | 78.4 | 60.1 |
| 1983 | 3,514.5 | 5,075.8 | 2,522.4 | 3,643.0 | 311.6 | 450.0 | 469.4 | 1,703 | 296 | 234.3 | 62.5 | 58.8 | 63.0 | 79.0 | 79.4 | 62.1 |
| 1984 | 3,902.4 | 5,435.1 | 2,810.0 | 3,913.6 | 369.0 | 513.9 | 552.0 | 1,750 | 295 | 236.3 | 68.1 | 64.6 | 71.5 | 83.2 | 81.4 | 64.8 |
| 1985 | 4,180.7 | 5,645.8 | 3,002.0 | 4,054.0 | 401.4 | 542.1 | 589.0 | 1,742 | 284 | 238.5 | 68.8 | 65.7 | 73.5 | 81.4 | 81.0 | 67.1 |
| 1986 | 4,422.2 | 5,844.8 | 3,187.6 | 4,213.1 | 429.9 | 568.2 | 573.1 | 1,805 | 244 | 240.7 | 69.5 | 67.1 | 76.6 | 84.8 | 78.6 | 68.3 |
| 1987 | 4,692.3 | 6,028.1 | 3,363.1 | 4,320.5 | 441.6 | 567.3 | 572.5 | 1,621 | 233 | 242.8 | 72.8 | 70.7 | 81.4 | 87.7 | 80.6 | 70.8 |
| 1988 | 5,049.6 | 6,275.9 | 3,640.8 | 4,525.0 | 455.6 | 566.2 | 603.6 | 1,488 | 218 | 245.0 | 76.3 | 74.3 | 86.4 | 91.3 | 83.8 | 73.7 |
| 1989 | 5,438.7 | 6,508.7 | 3,894.5 | 4,660.7 | 469.8 | 562.2 | 637.0 | 1,376 | 198 | 247.3 | 77.0 | 74.8 | 89.5 | 92.5 | 88.0 | 77.3 |
| 1990 | 5,743.8 | 6,615.0 | 4,166.8 | 4,798.8 | 468.5 | 539.6 | 641.7 | 1,193 | 188 | 249.9 | 77.6 | 75.2 | 86.3 | 92.4 | 91.2 | 81.5 |
| 1991 | 5,916.7 | 6,599.0 | 4,343.7 | 4,844.6 | 424.2 | 473.1 | 610.1 | 1,014 | 171 | 252.7 | 76.3 | 73.7 | 80.8 | 92.3 | 91.4 | 84.9 |
| 1992 | 6,244.4 | 6,799.2 | 4,613.7 | 5,023.6 | 452.1 | 492.3 | 630.6 | 1,200 | 211 | 255.4 | 78.3 | 76.3 | 81.6 | 94.5 | 91.9 | 87.4 |
| 1993 | 6,553.0 | 6,967.6 | 4,790.2 | 5,093.2 | 482.7 | 513.2 | 683.6 | 1,288 | 254 | 258.1 | 80.9 | 78.9 | 89.0 | 95.5 | 93.3 | 90.1 |
| 1994 | 6,935.7 | 7,223.9 | 5,021.7 | 5,230.4 | 519.5 | 541.1 | 744.6 | 1,457 | 304 | 260.7 | 85.2 | 83.7 | 90.5 | 99.7 | 94.4 | 92.4 |
| 1995 | 7,253.8 | 7,394.3 | 5,320.8 | 5,423.9 | 538.1 | 548.5 | 817.5 | 1,354 | 340 | 263.0 | 89.3 | 88.1 | 91.1 | 101.4 | 97.8 | 95.0 |
| 1996 | 7,575.9 | 7,575.9 | 5,588.5 | 5,588.5 | 583.6 | 583.6 | 899.4 | 1,475 | 363 | 265.5 | 93.2 | 92.2 | 88.9 | 98.0 | 100.2 | 97.8 |
| 1997 | 8,110.9 | 7,955.8 | 5,886.6 | 5,854.5 | 618.2 | 606.4 | 1,009.3 | 1,474 | 354 | 267.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1998 | 8,511.0 | 8,247.1 | 6,027.8 | 6,168.6 | 655.4 | 635.1 | 1,135.9 | 1,617 | 373 | 270.3 | 105.6 | 106.5 | 99.1 | 101.0 | 101.5 | 101.6 |
| 1999[r] | 9,274.3 | 8,858.8 | 6,639.2 | 6,328.4 | 765.9 | 731.6 | 1,228.4 | 1,641 | 349 | 273.2 | 110.1 | 111.8 | 102.7 | 102.2 | 110.5 | 103.8 |
| 2000 | 9,824.6 | 9,191.3 | 7,120.2 | 6,630.3 | 820.3 | 767.5 | 1,324.2 | 1,569 | 251 | 282.1 | 115.3 | 117.4 | 119.4 | 100.5 | 122.0 | 107.3 |
| 2001 | 10,082.2 | 9,214.2 | 7,393.2 | 6748.0 | 842.5 | 770.0 | 1,255.1 | 1,603 | 193 | 284.8 | 111.2 | 112.6 | 113.2 | 95.3 | 123.4 | 110.3 |
| 2002 | 10,445.6 | 9,440.2 | 7,829.1 | 7049.8 | 846.1 | 764.6 | 1,183.4 | 1,706 | 168 | 287.5 | 110.5 | 111.5 | 101.7 | 94.3 | 120.5 | 112.1 |

[a]U.S. Council of Economic Advisors (39,40).
[b]U.S. Department of Commerce, Bureau of the Census (70).
[c]U.S. Council of Economic Advisors (39); series (1965-1999) revised.
[d]U.S. Department of Commerce, Bureau of the Census (56); National Association of Home Builders (26, 27); Manufactured Housing Institute (25).
[e]U.S. Federal Reserve System, Board of Governors (78).
[f]U.S. Department of Labor, Bureau of Labor Statistics (75).
[r]Revised.

**Table 2—Number of households and housing market indicators, 1965–2002**

| Year | Number of house-holds[a] | New home mortgage interest rates[b] | New housing units | | | | | | | | Expenditures for residential upkeep and improvements[f] | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | New housing starts | | | | | | | | |
| | | | | | Single family | | Multi-family | | Mobile homes | | | |
| | | | Total units | Total starts[c,d] | Number starts[c] | Floor area[e] | Number starts[c,d] | Floor area[e] | Number shipments[c] | Floor area[e] | | |
| | *Millions* | *Average percent* | *Thousand units* | *Thousand units* | *Thousand units* | *Average square feet* | *Thousand units* | *Average square feet* | *Thousand units* | *Average square feet* | *Million current dollars* | *Million 1996 dollars* |
| 1965 | 57.4 | 5.81 | 1,727 | 1,510 | 965 | 1,498 | 545 | 1,053 | 217 | 650 | 11,442 | 52,009 |
| 1966 | 58.4 | 6.25 | 1,413 | 1,196 | 780 | 1,544 | 416 | 1,076 | 217 | 660 | 11,691 | 50,830 |
| 1967 | 59.2 | 6.46 | 1,562 | 1,322 | 845 | 1,585 | 477 | 1,094 | 240 | 670 | 11,687 | 49,312 |
| 1968 | 60.8 | 6.97 | 1,863 | 1,545 | 900 | 1,642 | 645 | 1,123 | 318 | 670 | 12,703 | 50,812 |
| 1969 | 62.2 | 7.81 | 1,913 | 1,500 | 811 | 1,616 | 689 | 1,095 | 413 | 684 | 13,535 | 50,504 |
| 1970 | 63.4 | 8.45 | 1,870 | 1,469 | 815 | 1,482 | 654 | 995 | 401 | 732 | 14,770 | 52,007 |
| 1971 | 64.8 | 7.74 | 2,582 | 2,085 | 1,153 | 1,520 | 932 | 1,011 | 497 | 780 | 16,299 | 53,792 |
| 1972 | 66.7 | 7.60 | 2,955 | 2,379 | 1,311 | 1,555 | 1,068 | 1,035 | 576 | 780 | 17,498 | 54,342 |
| 1973 | 68.3 | 7.96 | 2,625 | 2,058 | 1,133 | 1,660 | 925 | 1,031 | 567 | 882 | 18,512 | 52,891 |
| 1974 | 69.9 | 8.92 | 1,682 | 1,353 | 889 | 1,695 | 464 | 1,021 | 329 | 910 | 21,114 | 53,184 |
| 1975 | 71.1 | 9.00 | 1,384 | 1,171 | 896 | 1,645 | 275 | 1,000 | 213 | 952 | 25,239 | 58,154 |
| 1976 | 72.9 | 9.00 | 1,794 | 1,548 | 1,166 | 1,700 | 382 | 940 | 246 | 966 | 29,034 | 63,811 |
| 1977 | 74.1 | 9.02 | 2,279 | 2,002 | 1,451 | 1,720 | 551 | 938 | 277 | 1,000 | 31,280 | 63,707 |
| 1978 | 76.0 | 9.56 | 2,312 | 2,036 | 1,433 | 1,755 | 603 | 902 | 276 | 1,010 | 37,461 | 68,610 |
| 1979 | 77.3 | 10.78 | 2,037 | 1,760 | 1,194 | 1,760 | 566 | 938 | 277 | 1,050 | 42,231 | 69,118 |
| 1980 | 80.8 | 12.66 | 1,535 | 1,313 | 852 | 1,740 | 461 | 979 | 222 | 1,050 | 46,338 | 68,345 |
| 1981 | 82.4 | 14.70 | 1,341 | 1,100 | 705 | 1,720 | 395 | 980 | 241 | 1,015 | 46,351 | 63,582 |
| 1982 | 83.5 | 15.14 | 1,312 | 1,072 | 663 | 1,710 | 409 | 990 | 240 | 1,000 | 45,291 | 59,830 |
| 1983 | 83.9 | 12.57 | 2,009 | 1,713 | 1,068 | 1,725 | 645 | 942 | 296 | 1,035 | 49,295 | 63,936 |
| 1984 | 85.4 | 12.38 | 2,051 | 1,756 | 1,084 | 1,780 | 672 | 914 | 295 | 1,060 | 70,597 | 105,369 |
| 1985 | 86.8 | 11.55 | 2,029 | 1,745 | 1,072 | 1,785 | 673 | 922 | 284 | 1,080 | 82,127 | 120,245 |
| 1986 | 88.5 | 10.17 | 2,049 | 1,805 | 1,179 | 1,825 | 626 | 911 | 244 | 1,110 | 94,329 | 132,113 |
| 1987 | 89.5 | 9.31 | 1,854 | 1,621 | 1,146 | 1,905 | 475 | 980 | 233 | 1,140 | 98,413 | 131,744 |
| 1988 | 91.1 | 9.19 | 1,706 | 1,488 | 1,081 | 1,995 | 407 | 990 | 218 | 1,175 | 106,864 | 137,534 |
| 1989 | 92.8 | 10.13 | 1,574 | 1,376 | 1,003 | 2,035 | 373 | 1,000 | 198 | 1,195 | 108,054 | 133,730 |
| 1990 | 93.3 | 10.05 | 1,381 | 1,193 | 895 | 2,080 | 298 | 1,005 | 188 | 1,205 | 115,432 | 138,408 |
| 1991 | 94.3 | 9.32 | 1,185 | 1,014 | 840 | 2,075 | 174 | 1,020 | 171 | 1,225 | 107,692 | 128,052 |
| 1992 | 94.6 | 8.24 | 1,411 | 1,200 | 1,030 | 2,095 | 170 | 1,040 | 211 | 1,255 | 115,569 | 134,696 |
| 1993 | 95.3 | 7.20 | 1,542 | 1,288 | 1,126 | 2,095 | 162 | 1,065 | 254 | 1,295 | 121,899 | 135,443 |
| 1994 | 96.0 | 7.49 | 1,761 | 1,457 | 1,198 | 2,100 | 259 | 1,035 | 304 | 1,330 | 130,625 | 138,963 |
| 1995 | 97.3 | 7.87 | 1,694 | 1,354 | 1,076 | 2,095 | 278 | 1,080 | 340 | 1,355 | 124,971 | 127,391 |
| 1996 | 98.7 | 7.80 | 1,838 | 1,475 | 1,161 | 2,120 | 314 | 1,070 | 363 | 1,380 | 131,362 | 131,362 |
| 1997 | 99.9 | 7.71 | 1,828 | 1,474 | 1,134 | 2,150 | 340 | 1,095 | 354 | 1,420 | 133,577 | 129,812 |
| 1998 | 101.0 | 7.07 | 1,990 | 1,617 | 1,271 | 2,190 | 346 | 1,065 | 373 | 1,450 | 133,693 | 126,603 |
| 1999[r] | 103.9 | 7.04 | 2,012 | 1,663 | 1,303 | 2,223 | 341 | 1,104 | 349 | 1,465 | 142,900 | 129,438 |
| 2000 | 104.7 | 7.52 | 1,824 | 1,573 | 1,231 | 2,266 | 342 | 1,114 | 251 | 1,505 | 152,975 | 132,561 |
| 2001 | 108.2 | 7.00 | 1,796 | 1,603 | 1,273 | 2,324 | 330 | 1,171 | 193 | 1,540 | 157,765 | 131,911 |
| 2002 | 109.3 | 6.43 | 1,874 | 1,706 | 1,359 | 2,320 | 347 | 1,166 | 168 | 1,595 | 173,324 | 141,952 |

[a]U.S. Department of Commerce, Bureau of the Census (62).

[b]U.S. Council of Economic Advisors (39).

[c]U.S. Department of Commerce, Bureau of the Census (55, 57, 67); U.S. Department of Commerce, Bureau of Economic Analysis (72); National Association of Home Builders (26,27).

[d]Data for privately owned housing starts from 1986 to present.

[e]U.S. Department of Agriculture, Forest Service, estimates based on data from the Manufactured Housing Institute; U.S. Department of Commerce, Bureau of the Census, and U.S. Department of Housing and Urban Development (56,57,71); Manufactured Housing Institute (25).

[f]U.S. Department of Commerce, Bureau of the Census (65).

[r]Revised.

**Table 3—Average hourly earnings[a] in timber-based industries and all manufacturing in the United States, 1972–2002[b]**

| Year | Lumber and wood products except furniture | | Logging camps and logging contractors | | Sawmills and planing mills | | Millwork, plywood, and structural members | | Paper and allied products | | Furniture and fixtures | | Manufacturing | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *U.S. dollars* | *Index 1996=100* | *U.S. dollars* | *Index 1996=100* | *U.S. dollars* | *Index 1996=100* | *U.S. dollars* | *Index 1996=100* | *U.S. dollars* | *Index 1996=100* | *U.S. dollars* | *Index 1996=100* | *U.S. dollars* | *Index 1996=100* |
| 1972 | 3.33 | 31.9 | 4.25 | 36.1 | 3.29 | 31.1 | 3.37 | 35.5 | 3.95 | 26.9 | 3.08 | 30.3 | 3.82 | 29.9 |
| 1973 | 3.61 | 34.6 | 4.56 | 38.8 | 3.62 | 34.2 | 3.62 | 34.4 | 4.20 | 28.6 | 3.29 | 32.4 | 4.09 | 32.0 |
| 1974 | 3.89 | 37.3 | 4.91 | 41.8 | 3.88 | 36.6 | 3.91 | 37.2 | 4.53 | 30.9 | 3.53 | 34.8 | 4.42 | 34.6 |
| 1975 | 4.26 | 40.8 | 5.28 | 44.9 | 4.34 | 41.0 | 4.26 | 40.5 | 5.01 | 34.1 | 3.78 | 37.2 | 4.83 | 37.8 |
| 1976 | 4.72 | 45.2 | 6.03 | 51.3 | 4.86 | 45.9 | 4.67 | 44.4 | 5.47 | 37.3 | 4.34 | 42.8 | 5.68 | 44.4 |
| 1977 | 5.10 | 48.9 | 6.58 | 56.0 | 5.28 | 49.9 | 5.04 | 48.0 | 5.96 | 40.6 | 4.34 | 42.8 | 5.68 | 44.4 |
| 1978 | 5.60 | 53.6 | 7.25 | 61.6 | 5.83 | 55.1 | 5.55 | 52.8 | 6.52 | 44.4 | 4.68 | 46.1 | 6.17 | 48.3 |
| 1979 | 6.07 | 58.1 | 7.97 | 67.8 | 6.32 | 59.7 | 5.95 | 56.6 | 7.13 | 48.6 | 5.06 | 49.9 | 6.70 | 52.4 |
| 1980 | 6.55 | 62.7 | 8.64 | 73.5 | 6.70 | 63.3 | 6.41 | 61.0 | 7.84 | 53.4 | 5.49 | 54.1 | 7.27 | 56.9 |
| 1981 | 6.99 | 67.0 | 9.11 | 77.5 | 7.19 | 67.9 | 6.89 | 65.6 | 8.60 | 58.6 | 5.91 | 58.2 | 7.99 | 62.5 |
| 1982 | 7.43 | 71.2 | 9.79 | 83.2 | 7.73 | 73.0 | 7.33 | 69.7 | 9.32 | 63.5 | 6.31 | 62.2 | 8.49 | 66.4 |
| 1983 | 7.80 | 74.7 | 10.17 | 86.5 | 8.20 | 77.4 | 7.64 | 72.7 | 9.93 | 67.6 | 6.62 | 65.2 | 8.83 | 69.1 |
| 1984 | 8.03 | 76.9 | 10.70 | 91.0 | 8.42 | 79.5 | 7.81 | 74.3 | 10.41 | 70.9 | 6.84 | 67.4 | 9.19 | 71.9 |
| 1985 | 8.22 | 78.7 | 10.92 | 92.9 | 8.52 | 80.5 | 8.06 | 76.7 | 10.83 | 73.8 | 7.17 | 70.6 | 9.54 | 74.6 |
| 1986 | 8.34 | 79.9 | 10.82 | 92.0 | 8.58 | 81.0 | 8.23 | 78.3 | 11.18 | 76.2 | 7.46 | 73.5 | 9.73 | 76.1 |
| 1987 | 8.40 | 80.5 | 10.68 | 90.8 | 8.58 | 81.0 | 8.35 | 79.4 | 11.43 | 77.9 | 7.67 | 75.6 | 9.91 | 77.5 |
| 1988 | 8.61 | 82.5 | 10.78 | 91.7 | 8.75 | 82.6 | 8.55 | 81.4 | 11.69 | 79.6 | 7.94 | 78.2 | 10.18 | 79.7 |
| 1989 | 8.84 | 84.7 | 11.13 | 94.6 | 9.03 | 85.3 | 8.73 | 83.1 | 11.96 | 81.5 | 8.25 | 81.3 | 10.48 | 82.0 |
| 1990 | 9.08 | 87.0 | 11.22 | 95.4 | 9.22 | 87.1 | 9.04 | 86.0 | 12.31 | 83.9 | 8.52 | 83.9 | 10.83 | 84.7 |
| 1991 | 9.24 | 88.5 | 11.06 | 94.0 | 9.37 | 88.5 | 9.28 | 88.3 | 12.72 | 86.6 | 5.76 | 56.7 | 11.18 | 87.5 |
| 1992 | 9.44 | 90.4 | 11.17 | 95.0 | 9.59 | 90.6 | 9.48 | 90.2 | 13.07 | 89.0 | 9.01 | 88.8 | 11.46 | 89.7 |
| 1993 | 9.61 | 92.0 | 11.37 | 96.7 | 9.78 | 92.4 | 9.65 | 91.8 | 13.42 | 91.4 | 9.27 | 91.3 | 11.74 | 91.9 |
| 1994 | 9.84 | 94.3 | 11.44 | 97.3 | 10.05 | 94.9 | 9.89 | 94.1 | 13.77 | 93.8 | 9.55 | 94.1 | 12.06 | 94.4 |
| 1995 | 10.12 | 96.9 | 11.64 | 99.0 | 10.31 | 97.4 | 10.12 | 96.3 | 14.23 | 96.9 | 9.82 | 96.7 | 12.37 | 96.8 |
| 1996 | 10.44 | 100.0 | 11.76 | 100.0 | 10.59 | 100.0 | 10.51 | 100.0 | 14.68 | 100.0 | 10.15 | 100.0 | 12.78 | 100.0 |
| 1997 | 10.76 | 103.1 | 12.16 | 103.4 | 10.85 | 102.5 | 10.89 | 103.6 | 15.06 | 102.6 | 10.55 | 103.9 | 13.17 | 103.1 |
| 1998 | 11.10 | 106.3 | 12.48 | 106.1 | 11.12 | 105.0 | 11.25 | 107.0 | 15.51 | 105.7 | 10.90 | 107.4 | 13.49 | 105.6 |
| 1999 | 11.46 | 109.8 | 13.24 | 112.6 | 11.40 | 107.6 | 11.59 | 110.3 | 15.97 | 108.8 | 11.23 | 110.6 | 13.91 | 108.8 |
| 2000 | 11.94 | 114.4 | 13.70 | 116.5 | 11.90 | 112.4 | 12.08 | 114.9 | 16.25 | 110.7 | 11.74 | 115.7 | 14.37 | 112.4 |
| 2001 | 12.26 | 117.4 | 14.40 | 122.4 | 12.19 | 115.1 | 12.45 | 118.5 | 16.87 | 114.9 | 12.24 | 120.6 | 14.83 | 116.0 |
| 2002 | 12.50 | 119.7 | 14.76 | 125.5 | 12.42 | 117.3 | 12.60 | 119.9 | 17.50 | 119.2 | 12.65 | 124.6 | 15.30 | 119.7 |

[a]For production or nonsupervisory workers.

[b]U.S. Department of Commerce, Bureau of Economic Analysis (72); U.S. Department of Labor, Bureau of Labor Statistics (75).

**Table 4—Average employment in lumber-producing and lumber-dependent industries in the United States, in thousand people, 1972–2002[a]**

| | Lumber-producing | | Lumber-dependent | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | Logging | Sawmills and planning mills, general | Millwork | Wood kitchen cabinets | Wood containers | Wood buildings and mobile homes | Misc. wood products | Lumber, plywood, and millwork | Lumber and other building materials | Residential building construction | Operative builders | Special trade contractors |
| 1972 | 69.0 | 182.0 | 78.5 | 38.1 | 45.8 | 110.5 | 86.3 | [z] | 268.3 | 577.6 | 93.6 | 1,950.6 |
| 1973 | 75.9 | 185.9 | 83.3 | 41.9 | 47.5 | 115.0 | 91.1 | [z] | 286.1 | 594.2 | 101.8 | 2,086.7 |
| 1974 | 80.7 | 191.3 | 75.1 | 38.5 | 46.3 | 82.2 | 90.0 | [z] | 287.6 | 576.0 | 92.1 | 2,029.0 |
| 1975 | 73.5 | 169.6 | 67.6 | 31.5 | 38.9 | 63.1 | 78.1 | [z] | 267.9 | 479.9 | 68.3 | 1,778.8 |
| 1976 | 81.5 | 184.4 | 75.2 | 36.9 | 41.2 | 71.4 | 84.5 | [z] | 283.4 | 513.8 | 67.2 | 1,805.8 |
| 1977 | 84.2 | 189.3 | 80.8 | 44.2 | 42.0 | 82.1 | 87.0 | [z] | 302.1 | 578.1 | 75.4 | 1,982.7 |
| 1978 | 84.8 | 192.3 | 85.5 | 50.0 | 44.4 | 87.3 | 91.3 | [z] | 325.5 | 637.3 | 81.9 | 2,172.6 |
| 1979 | 88.5 | 196.4 | 84.5 | 54.1 | 46.9 | 83.4 | 92.7 | [z] | 337.5 | 625.1 | 83.3 | 2,292.6 |
| 1980 | 87.5 | 178.2 | 76.3 | 48.4 | 42.5 | 65.6 | 87.9 | [z] | 325.3 | 554.3 | 66.6 | 2,278.3 |
| 1981 | 82.1 | 168.4 | 74.8 | 47.0 | 41.2 | 66.7 | 87.5 | [z] | 315.1 | 508.1 | 59.7 | 2,228.6 |
| 1982 | 75.4 | 148.1 | 70.4 | 42.0 | 37.6 | 60.0 | 78.9 | 77.2 | 298.3 | 446.9 | 47.9 | 2,119.2 |
| 1983 | 82.9 | 160.3 | 81.1 | 48.7 | 37.8 | 69.3 | 81.2 | 83.1 | 320.9 | 492.9 | 54.8 | 2,173.6 |
| 1984 | 87.5 | 166.5 | 90.3 | 57.0 | 41.0 | 73.5 | 84.4 | 92.9 | 346.8 | 578.9 | 57.9 | 2,461.7 |
| 1985 | 84.4 | 160.2 | 95.0 | 60.4 | 40.9 | 72.0 | 83.3 | 97.2 | 363.2 | 622.6 | 58.4 | 2,652.2 |
| 1986 | 84.1 | 158.3 | 100.9 | 65.4 | 40.8 | 69.4 | 84.2 | 100.1 | 380.4 | 665.4 | 57.0 | 2,770.6 |
| 1987 | 85.4 | 163.7 | 109.0 | 70.8 | 41.9 | 69.0 | 87.4 | 106.5 | 412.8 | 692.3 | 53.5 | 2,901.4 |
| 1988 | 88.0 | 165.8 | 111.7 | 72.7 | 43.8 | 68.0 | 89.8 | 116.2 | 436.6 | 710.6 | 46.6 | 3,005.2 |
| 1989 | 86.9 | 163.2 | 109.6 | 73.6 | 44.7 | 64.4 | 87.3 | 119.4 | 441.0 | 680.9 | 41.9 | 3,072.1 |
| 1990 | 84.6 | 160.1 | 106.6 | 72.3 | 45.1 | 59.4 | 84.8 | 117.9 | 432.8 | 642.8 | 38.0 | 3,051.0 |
| 1991 | 78.7 | 148.0 | 97.9 | 64.6 | 44.0 | 54.1 | 80.2 | 109.7 | 417.1 | 553.7 | 30.7 | 2,783.3 |
| 1992 | 78.7 | 144.6 | 100.3 | 65.7 | 43.5 | 56.4 | 80.8 | 110.1 | 429.3 | 528.2 | 27.2 | 2,704.1 |
| 1993 | 81.1 | 145.2 | 103.3 | 68.8 | 45.9 | 64.2 | 83.8 | 113.1 | 450.6 | 560.8 | 27.2 | 2,835.6 |
| 1994 | 82.1 | 150.3 | 110.2 | 74.7 | 49.3 | 73.5 | 87.7 | 119.5 | 491.9 | 604.7 | 27.9 | 3,058.4 |
| 1995 | 82.5 | 148.0 | 111.4 | 76.0 | 51.2 | 81.4 | 87.8 | 123.5 | 512.6 | 608.8 | 26.6 | 3,201.1 |
| 1996 | 80.7 | 143.5 | 113.9 | 78.4 | 52.4 | 89.1 | 88.6 | 126.0 | 535.2 | 642.0 | 26.2 | 3,383.6 |
| 1997 | 82.2 | 144.6 | 117.4 | 81.4 | 54.5 | 93.4 | 89.1 | 130.0 | 562.6 | 672.5 | 26.6 | 3,582.3 |
| 1998 | 80.0 | 144.1 | 121.4 | 87.6 | 55.8 | 99.7 | 87.6 | 134.3 | 576.7 | 706.1 | 27.5 | 3,803.6 |
| 1999 | 79.0 | 141.7 | 124.8 | 95.6 | 56.8 | 102.9 | 85.4 | 142.2 | 612.3 | 767.3 | 29.9 | 4,084.2 |
| 2000 | 79.0 | 142.2 | 126.5 | 103.1 | 58.4 | 90.3 | 83.5 | 145.4 | 643.4 | 798.4 | 32.0 | 4,251.2 |
| 2001 | 73.5 | 134.1 | 123.2 | 103.6 | 56.2 | 76.9 | 79.5 | 137.8 | 680.5 | 753.4 | 33.0 | 4,300.5 |
| 2002 | 69.1 | 131.7 | 122.3 | 107.2 | 55.1 | 70.7 | 75.2 | 138.6 | 709.2 | 773.9 | 32.8 | 4,194.2 |

[a]U.S. Department of Commerce, Bureau of Economic Analysis (72); U.S. Department of Labor, Bureau of Labor Statistics (75).

[z]Not available.

**Table 5a—Production, imports, exports, and consumption of timber products, by major product, 1965–2002 (million cubic feet, roundwood equivalent)[a]**

| | | | Industrial roundwood use | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | All products | | Total | | | | Lumber | | | | Plywood and veneer | | | | Pulpwood-based products | | | | Other industrial products, production and consumption[e] | Logs[b] | | Pulpwood chip[c] | | Fuel-wood production and consumption |
| Year | Production | Consumption | Production | Imports | Exports | Consumption | Production | Imports | Exports | Consumption | Production | Imports | Exports | Consumption | Production | Imports[d] | Exports[d] | Consumption | | Imports | Exports | Imports | Exports | |
| 1965 | 12,276 | 13,325 | 11,230 | 1,610 | 554 | 12,287 | 6,233 | 829 | 148 | 6,914 | 1,070 | 69 | 3 | 1,137 | 3,176 | 701 | 213 | 3,665 | 560 | 11 | 191 | z | 7 | 1,038 |
| 1966 | 12,578 | 13,598 | 11,520 | 1,679 | 641 | 12,558 | 6,222 | 826 | 182 | 6,867 | 1,118 | 82 | 4 | 1,196 | 3,392 | 755 | 232 | 3,915 | 565 | 15 | 223 | z | 17 | 1,040 |
| 1967 | 12,445 | 13,245 | 11,332 | 1,619 | 772 | 12,179 | 6,037 | 816 | 197 | 6,655 | 1,100 | 81 | 7 | 1,175 | 3,365 | 709 | 253 | 3,822 | 515 | 12 | 315 | z | 47 | 1,066 |
| 1968 | 13,013 | 13,851 | 11,814 | 1,816 | 877 | 12,753 | 6,112 | 975 | 181 | 6,906 | 1,238 | 124 | 6 | 1,355 | 3,539 | 705 | 280 | 3,964 | 515 | 13 | 411 | z | 101 | 1,098 |
| 1969 | 13,208 | 14,106 | 11,963 | 1,945 | 901 | 13,006 | 5,965 | 1,001 | 182 | 6,784 | 1,153 | 138 | 16 | 1,276 | 3,861 | 792 | 320 | 4,333 | 600 | 13 | 383 | z | 146 | 1,100 |
| 1970 | 14,702 | 15,487 | 13,287 | 2,019 | 1,084 | 14,222 | 6,511 | 1,089 | 221 | 7,379 | 1,197 | 133 | 12 | 1,318 | 4,488 | 773 | 413 | 4,849 | 652 | 23 | 438 | z | 150 | 1,265 |
| 1971 | 13,656 | 14,744 | 12,300 | 2,105 | 894 | 13,511 | 6,182 | 1,201 | 184 | 7,199 | 1,378 | 166 | 8 | 1,535 | 3,773 | 725 | 336 | 4,162 | 602 | 13 | 366 | z | 123 | 1,233 |
| 1972 | 13,994 | 15,162 | 12,567 | 2,394 | 1,070 | 13,892 | 6,339 | 1,492 | 232 | 7,598 | 1,512 | 206 | 18 | 1,700 | 3,698 | 690 | 317 | 4,070 | 517 | 6 | 502 | z | 157 | 1,270 |
| 1973 | 14,213 | 15,208 | 12,795 | 2,416 | 1,204 | 14,006 | 6,490 | 1,516 | 327 | 7,679 | 1,496 | 165 | 34 | 1,628 | 3,775 | 729 | 305 | 4,199 | 495 | 5 | 538 | z | 216 | 1,202 |
| 1974 | 13,909 | 14,662 | 12,352 | 2,169 | 1,175 | 13,346 | 6,114 | 1,228 | 314 | 7,028 | 1,287 | 107 | 45 | 1,349 | 4,100 | 822 | 393 | 4,529 | 428 | 12 | 423 | z | 240 | 1,316 |
| 1975 | 12,774 | 13,233 | 11,317 | 1,747 | 1,090 | 11,974 | 5,884 | 1,036 | 285 | 6,635 | 1,277 | 125 | 64 | 1,338 | 3,345 | 572 | 314 | 3,602 | 385 | 14 | 427 | z | 198 | 1,259 |
| 1976 | 13,580 | 14,263 | 12,102 | 2,121 | 1,193 | 13,031 | 6,026 | 1,298 | 295 | 7,029 | 1,466 | 154 | 59 | 1,562 | 3,715 | 655 | 319 | 4,052 | 375 | 13 | 520 | z | 245 | 1,232 |
| 1977 | 14,218 | 15,382 | 12,529 | 2,513 | 1,089 | 13,954 | 6,461 | 1,692 | 268 | 7,885 | 1,551 | 148 | 26 | 1,674 | 3,641 | 648 | 304 | 3,985 | 385 | 25 | 491 | z | 261 | 1,428 |
| 1978 | 15,012 | 16,448 | 12,930 | 2,843 | 1,183 | 14,591 | 6,586 | 1,925 | 304 | 8,207 | 1,587 | 167 | 25 | 1,729 | 3,817 | 735 | 309 | 4,243 | 395 | 15 | 545 | z | 225 | 1,857 |
| 1979 | 15,730 | 16,828 | 13,221 | 2,758 | 1,381 | 14,599 | 6,516 | 1,808 | 366 | 7,958 | 1,541 | 137 | 32 | 1,646 | 4,136 | 792 | 359 | 4,568 | 405 | 21 | 623 | z | 280 | 2,230 |
| 1980 | 14,998 | 15,641 | 12,074 | 2,390 | 1,469 | 12,995 | 5,623 | 1,524 | 407 | 6,739 | 1,265 | 81 | 30 | 1,316 | 4,250 | 765 | 510 | 4,505 | 415 | 20 | 522 | z | 278 | 2,645 |
| 1981 | 14,495 | 15,313 | 11,458 | 2,345 | 1,307 | 12,496 | 5,158 | 1,497 | 397 | 6,258 | 1,275 | 99 | 53 | 1,321 | 4,195 | 734 | 452 | 4,476 | 425 | 16 | 405 | z | 220 | 2,817 |
| 1982 | 15,037 | 15,868 | 11,320 | 2,317 | 1,309 | 12,328 | 5,133 | 1,478 | 332 | 6,279 | 1,220 | 122 | 35 | 1,307 | 4,019 | 698 | 429 | 4,288 | 435 | 19 | 513 | z | 178 | 3,540 |
| 1983 | 16,433 | 17,716 | 12,879 | 2,872 | 1,432 | 14,319 | 6,121 | 1,902 | 384 | 7,638 | 1,483 | 179 | 44 | 1,618 | 4,270 | 766 | 444 | 4,592 | 445 | 26 | 560 | z | 156 | 3,397 |
| 1984 | 17,138 | 18,789 | 13,368 | 3,144 | 1,349 | 15,163 | 6,491 | 2,080 | 350 | 8,220 | 1,493 | 161 | 28 | 1,627 | 4,370 | 880 | 412 | 4,838 | 455 | 24 | 559 | z | 145 | 3,626 |
| 1985 | 16,999 | 18,882 | 13,400 | 3,404 | 1,376 | 15,428 | 6,404 | 2,275 | 317 | 8,362 | 1,485 | 194 | 25 | 1,654 | 4,432 | 918 | 419 | 4,931 | 465 | 16 | 615 | z | 144 | 3,454 |
| 1986 | 18,328 | 20,017 | 14,644 | 3,379 | 1,538 | 16,484 | 7,105 | 2,196 | 394 | 8,907 | 1,598 | 199 | 45 | 1,751 | 4,881 | 972 | 514 | 5,338 | 475 | 13 | 585 | z | 151 | 3,533 |
| 1987 | 18,472 | 20,087 | 15,385 | 3,528 | 1,755 | 17,158 | 7,611 | 2,263 | 510 | 9,364 | 1,639 | 240 | 57 | 1,823 | 4,982 | 1,012 | 531 | 5,463 | 495 | 13 | 657 | z | 158 | 2,929 |
| 1988 | 18,736 | 19,691 | 15,618 | 3,279 | 2,106 | 16,790 | 7,667 | 2,045 | 704 | 9,009 | 1,598 | 201 | 72 | 1,728 | 5,075 | 1,021 | 563 | 5,533 | 510 | 11 | 767 | z | 218 | 2,901 |
| 1989 | 18,572 | 19,565 | 15,722 | 3,376 | 2,383 | 16,715 | 7,541 | 2,225 | 655 | 9,112 | 1,454 | 114 | 97 | 1,471 | 5,149 | 1,022 | 608 | 5,564 | 555 | 6 | 753 | z | 271 | 2,850 |
| 1990 | 18,477 | 19,214 | 15,577 | 3,044 | 2,307 | 16,314 | 7,317 | 1,905 | 589 | 8,633 | 1,423 | 97 | 109 | 1,410 | 5,313 | 1,038 | 646 | 5,704 | 562 | 4 | 674 | z | 288 | 2,900 |
| 1991 | 18,823 | 19,268 | 15,187 | 2,864 | 2,420 | 15,632 | 7,039 | 1,810 | 646 | 8,203 | 1,267 | 83 | 95 | 1,255 | 5,397 | 969 | 746 | 5,620 | 551 | 2 | 602 | z | 332 | 3,636 |
| 1992 | 18,065 | 18,776 | 15,215 | 3,056 | 2,344 | 15,926 | 6,982 | 1,955 | 561 | 8,376 | 1,294 | 100 | 106 | 1,288 | 5,516 | 992 | 801 | 5,706 | 546 | 7 | 524 | 2 | 351 | 2,850 |
| 1993 | 17,358 | 18,637 | 14,914 | 3,423 | 2,143 | 16,193 | 6,894 | 2,238 | 533 | 8,599 | 1,293 | 100 | 100 | 1,293 | 5,423 | 1,065 | 724 | 5,764 | 517 | 15 | 460 | 5 | 326 | 2,444 |
| 1994 | 17,365 | 18,861 | 15,164 | 3,636 | 2,141 | 16,660 | 7,085 | 2,409 | 514 | 8,979 | 1,320 | 94 | 86 | 1,328 | 5,576 | 1,102 | 758 | 5,920 | 401 | 18 | 429 | 14 | 354 | 2,201 |
| 1995 | 17,604 | 19,248 | 15,454 | 3,929 | 2,285 | 17,098 | 6,857 | 2,545 | 462 | 8,939 | 1,303 | 107 | 89 | 1,321 | 6,079 | 1,245 | 905 | 6,419 | 387 | 13 | 451 | 19 | 377 | 2,150 |
| 1996 | 17,268 | 18,934 | 15,344 | 3,935 | 2,269 | 17,010 | 6,975 | 2,664 | 454 | 9,185 | 1,281 | 97 | 87 | 1,291 | 5,908 | 1,144 | 891 | 6,161 | 342 | 18 | 422 | 12 | 416 | 1,924 |
| 1997 | 17,362 | 19,127 | 15,662 | 4,063 | 2,297 | 17,427 | 7,210 | 2,675 | 457 | 9,428 | 1,213 | 114 | 103 | 1,224 | 6,101 | 1,250 | 930 | 6,422 | 330 | 20 | 384 | 4 | 424 | 1,700 |
| 1998 | 17,319 | 19,655 | 15,687 | 4,310 | 1,974 | 18,023 | 7,222 | 2,791 | 354 | 9,658 | 1,201 | 131 | 55 | 1,277 | 6,230 | 1,353 | 835 | 6,748 | 305 | 30 | 316 | 7 | 414 | 1,632 |
| 1999 | 17,308 | 19,808 | 15,683 | 4,449 | 1,949 | 18,183 | 7,533 | 2,884 | 410 | 10,007 | 1,208 | 151 | 55 | 1,304 | 5,910 | 1,366 | 750 | 6,526 | 298 | 47 | 326 | 2 | 409 | 1,625 |
| 2000 | 17,252 | 19,845 | 15,630 | 4,647 | 2,054 | 18,223 | 7,384 | 2,943 | 435 | 9,892 | 1,187 | 154 | 51 | 1,290 | 5,983 | 1,476 | 792 | 6,667 | 300 | 72 | 422 | 2 | 354 | 1,622 |
| 2001 | 16,527 | 19,429 | 14,906 | 4,724 | 1,821 | 17,808 | 7,051 | 3,007 | 359 | 9,699 | 1,088 | 176 | 39 | 1,225 | 5,780 | 1,467 | 757 | 6,490 | 320 | 73 | 403 | 1 | 264 | 1,621 |
| 2002 | 16,483 | 19,614 | 14,963 | 4,886 | 1,754 | 18,094 | 7,301 | 3,154 | 359 | 10,097 | 1,067 | 209 | 34 | 1,241 | 5,699 | 1,435 | 784 | 6,351 | 317 | 86 | 388 | 2 | 189 | 1,520 |

[a]U.S. Department of Agriculture, Forest Service (21); U.S. Geological Survey (80); Data may not add to totals because of rounding; Data have been revised.

[b]Prior to 2000, pulpwood logs are not included in logs.

[c]Prior to 1989, pulpwood chips are not included in total production.

[d]Includes pulpwood and the pulpwood equivalent of wood pulp and paper and board.

[e]Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items.

[z]Not available.

**Table 5b—Production, imports, exports, and consumption of timber products, by major product, 1965–2002 (thousand cubic meters, roundwood equivalent)[a]**

| | All products | | Industrial roundwood use | | | | | | | | | | | | | | | | | | | | Fuel-wood production and consumption |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Total | | | | Lumber | | | | Plywood and veneer | | | | Pulpwood-based products | | | | Other industrial products, production and consumption[e] | Logs[b] | | Pulpwood chip[c] | | |
| Year | Production | Consumption | Production | Imports | Exports | Consumption | Production | Imports | Exports | Consumption | Production | Imports | Exports | Consumption | Production | Imports[d] | Exports[d] | Consumption | | Imports | Exports | Imports | Exports | |
| 1965 | 347,613 | 377,313 | 318,010 | 45,577 | 15,688 | 347,920 | 176,489 | 23,473 | 4,185 | 195,777 | 30,305 | 1,941 | 74 | 32,194 | 89,947 | 19,855 | 6,018 | 103,784 | 15,858 | 308 | 5,413 | z | 209 | 29,393 |
| 1966 | 356,161 | 385,067 | 326,221 | 47,542 | 18,150 | 355,617 | 176,197 | 23,402 | 5,149 | 194,450 | 31,672 | 2,318 | 117 | 33,878 | 96,051 | 21,389 | 6,583 | 110,857 | 15,999 | 433 | 6,301 | z | 491 | 29,450 |
| 1967 | 352,413 | 375,067 | 320,898 | 45,836 | 21,874 | 344,881 | 170,941 | 23,101 | 5,592 | 188,450 | 31,153 | 2,300 | 196 | 33,278 | 95,287 | 20,087 | 7,153 | 108,221 | 14,583 | 349 | 8,933 | z | 1,329 | 30,186 |
| 1968 | 368,480 | 392,210 | 334,537 | 51,437 | 24,844 | 361,118 | 173,064 | 27,605 | 5,118 | 195,551 | 35,044 | 3,498 | 161 | 38,368 | 100,213 | 19,977 | 7,933 | 112,257 | 14,583 | 358 | 11,632 | z | 2,850 | 31,092 |
| 1969 | 374,021 | 399,444 | 338,743 | 55,065 | 25,523 | 368,296 | 168,918 | 28,336 | 5,150 | 192,105 | 32,646 | 3,916 | 453 | 36,119 | 109,334 | 22,441 | 9,064 | 122,711 | 16,990 | 371 | 10,855 | z | 4,129 | 31,149 |
| 1970 | 416,319 | 438,536 | 376,240 | 57,160 | 30,701 | 402,715 | 184,380 | 30,829 | 6,250 | 208,959 | 33,884 | 3,778 | 349 | 37,328 | 127,099 | 21,899 | 11,686 | 137,311 | 18,463 | 654 | 12,415 | z | 4,257 | 35,821 |
| 1971 | 386,711 | 417,516 | 348,312 | 59,594 | 25,320 | 382,601 | 175,057 | 34,001 | 5,208 | 203,850 | 39,010 | 4,692 | 238 | 43,479 | 106,831 | 20,520 | 9,506 | 117,845 | 17,047 | 380 | 10,367 | z | 3,484 | 34,915 |
| 1972 | 396,276 | 429,332 | 355,869 | 67,780 | 30,290 | 393,369 | 179,490 | 42,236 | 6,565 | 215,162 | 42,805 | 5,831 | 519 | 48,125 | 104,705 | 19,536 | 8,977 | 115,264 | 14,640 | 178 | 14,229 | z | 4,444 | 35,963 |
| 1973 | 402,482 | 430,656 | 362,316 | 68,406 | 34,104 | 396,619 | 183,771 | 42,938 | 9,273 | 217,436 | 42,371 | 4,678 | 949 | 46,101 | 106,910 | 20,639 | 8,635 | 118,913 | 14,017 | 152 | 15,247 | z | 6,128 | 34,037 |
| 1974 | 393,850 | 415,179 | 349,779 | 61,425 | 33,282 | 377,914 | 173,140 | 34,767 | 8,894 | 199,013 | 36,442 | 3,039 | 1,281 | 38,193 | 116,108 | 23,272 | 11,138 | 128,242 | 12,120 | 347 | 11,969 | z | 6,806 | 37,265 |
| 1975 | 361,710 | 374,728 | 320,465 | 49,480 | 30,863 | 339,077 | 166,608 | 29,345 | 8,069 | 187,884 | 36,163 | 3,551 | 1,812 | 37,897 | 94,712 | 16,197 | 8,903 | 102,006 | 10,902 | 387 | 12,080 | z | 5,594 | 35,651 |
| 1976 | 384,533 | 403,872 | 342,698 | 60,065 | 33,791 | 368,986 | 170,639 | 36,768 | 8,364 | 199,042 | 41,515 | 4,369 | 1,681 | 44,217 | 105,204 | 18,559 | 9,026 | 114,738 | 10,619 | 370 | 14,721 | z | 6,949 | 34,887 |
| 1977 | 402,613 | 435,574 | 354,796 | 71,162 | 30,843 | 395,134 | 182,953 | 47,914 | 7,581 | 223,287 | 43,933 | 4,194 | 748 | 47,398 | 103,103 | 18,354 | 8,610 | 112,847 | 10,902 | 700 | 13,904 | z | 7,377 | 40,440 |
| 1978 | 425,104 | 465,751 | 366,145 | 80,507 | 33,495 | 413,161 | 186,505 | 54,521 | 8,616 | 232,410 | 44,926 | 4,729 | 694 | 48,965 | 108,088 | 20,818 | 8,743 | 120,163 | 11,185 | 439 | 15,442 | z | 6,369 | 52,590 |
| 1979 | 445,438 | 476,523 | 374,381 | 78,090 | 39,093 | 413,386 | 184,521 | 51,187 | 10,366 | 225,343 | 43,630 | 3,873 | 903 | 46,607 | 117,110 | 22,428 | 10,172 | 129,365 | 11,468 | 602 | 17,652 | z | 7,920 | 63,137 |
| 1980 | 424,693 | 442,903 | 341,899 | 67,679 | 41,590 | 367,993 | 159,213 | 43,162 | 11,536 | 190,839 | 35,815 | 2,285 | 847 | 37,257 | 120,349 | 21,654 | 14,436 | 127,567 | 11,752 | 578 | 14,770 | z | 7,884 | 74,910 |
| 1981 | 410,460 | 433,630 | 324,444 | 66,410 | 37,003 | 353,858 | 146,058 | 42,386 | 11,242 | 177,202 | 36,094 | 2,793 | 1,492 | 37,403 | 118,778 | 20,772 | 12,790 | 126,760 | 12,035 | 458 | 11,479 | z | 6,243 | 79,773 |
| 1982 | 425,817 | 449,324 | 320,538 | 65,618 | 37,060 | 349,080 | 145,341 | 41,863 | 9,405 | 177,799 | 34,554 | 3,464 | 989 | 37,013 | 113,793 | 19,761 | 12,134 | 121,419 | 12,318 | 530 | 14,531 | z | 5,035 | 100,244 |
| 1983 | 465,336 | 501,675 | 364,708 | 81,339 | 40,561 | 405,474 | 173,314 | 53,846 | 10,888 | 216,272 | 42,007 | 5,067 | 1,233 | 45,828 | 120,923 | 21,679 | 12,577 | 130,025 | 12,601 | 747 | 15,863 | z | 4,426 | 96,202 |
| 1984 | 485,301 | 532,052 | 378,538 | 89,034 | 38,209 | 429,383 | 183,798 | 58,887 | 9,905 | 232,779 | 42,287 | 4,559 | 797 | 46,070 | 123,739 | 24,923 | 11,677 | 136,985 | 12,884 | 665 | 15,830 | z | 4,094 | 102,669 |
| 1985 | 481,347 | 534,688 | 379,447 | 96,377 | 38,955 | 436,869 | 181,337 | 64,425 | 8,968 | 236,793 | 42,040 | 5,500 | 701 | 46,839 | 125,496 | 26,003 | 11,878 | 139,621 | 13,167 | 450 | 17,408 | z | 4,081 | 97,818 |
| 1986 | 518,982 | 566,820 | 414,662 | 95,678 | 43,565 | 466,776 | 201,204 | 62,180 | 11,156 | 252,227 | 45,242 | 5,626 | 1,282 | 49,585 | 138,208 | 27,517 | 14,568 | 151,157 | 13,451 | 356 | 16,558 | z | 4,275 | 100,044 |
| 1987 | 523,073 | 568,796 | 435,647 | 99,901 | 49,695 | 485,853 | 215,532 | 64,072 | 14,451 | 265,153 | 46,423 | 6,802 | 1,605 | 51,620 | 141,062 | 28,653 | 15,026 | 154,689 | 14,017 | 374 | 18,613 | z | 4,483 | 82,944 |
| 1988 | 530,553 | 557,585 | 442,251 | 92,840 | 59,640 | 475,450 | 217,114 | 57,908 | 19,922 | 255,100 | 45,262 | 5,703 | 2,042 | 48,923 | 143,700 | 28,921 | 15,944 | 156,676 | 14,442 | 309 | 21,733 | z | 6,167 | 82,135 |
| 1989 | 525,916 | 554,016 | 445,213 | 95,586 | 67,486 | 473,313 | 213,540 | 63,005 | 18,534 | 258,011 | 41,164 | 3,242 | 2,755 | 41,650 | 145,805 | 28,952 | 17,208 | 157,549 | 15,716 | 178 | 21,316 | z | 7,672 | 80,703 |
| 1990 | 523,213 | 544,085 | 441,094 | 86,198 | 65,326 | 461,966 | 207,204 | 53,945 | 16,689 | 244,460 | 40,292 | 2,733 | 3,093 | 39,933 | 150,436 | 29,391 | 18,297 | 161,530 | 15,914 | 105 | 19,083 | z | 8,165 | 82,119 |
| 1991 | 533,020 | 545,608 | 430,059 | 81,104 | 68,516 | 442,648 | 199,322 | 51,250 | 18,286 | 232,286 | 35,885 | 2,344 | 2,681 | 35,548 | 152,827 | 27,437 | 21,126 | 159,138 | 15,603 | 62 | 17,035 | z | 9,387 | 102,961 |
| 1992 | 511,534 | 531,690 | 430,830 | 86,541 | 66,384 | 450,987 | 197,700 | 55,366 | 15,888 | 237,178 | 36,653 | 2,832 | 3,001 | 36,485 | 156,204 | 28,081 | 22,695 | 161,590 | 15,472 | 197 | 14,852 | 64 | 9,949 | 80,703 |
| 1993 | 491,517 | 527,752 | 422,311 | 96,924 | 60,689 | 458,545 | 195,211 | 63,361 | 15,085 | 243,487 | 36,628 | 2,827 | 2,837 | 36,618 | 153,560 | 30,160 | 20,499 | 163,221 | 14,643 | 425 | 13,028 | 150 | 9,240 | 69,207 |
| 1994 | 491,734 | 534,083 | 429,408 | 102,965 | 60,616 | 471,757 | 200,618 | 68,203 | 14,552 | 254,268 | 37,378 | 2,657 | 2,436 | 37,599 | 157,887 | 31,215 | 21,457 | 167,645 | 11,355 | 500 | 12,155 | 390 | 10,015 | 62,326 |
| 1995 | 498,482 | 545,043 | 437,601 | 111,259 | 64,698 | 484,162 | 194,168 | 72,065 | 13,094 | 253,139 | 36,883 | 3,035 | 2,515 | 37,403 | 172,136 | 35,261 | 25,634 | 181,763 | 10,959 | 364 | 12,773 | 534 | 10,682 | 60,882 |
| 1996 | 488,966 | 536,153 | 434,484 | 111,439 | 64,252 | 481,671 | 197,505 | 75,443 | 12,845 | 260,103 | 36,275 | 2,752 | 2,458 | 36,570 | 167,291 | 32,383 | 25,222 | 174,452 | 9,684 | 521 | 11,938 | 341 | 11,789 | 54,482 |
| 1997 | 491,641 | 541,625 | 443,502 | 115,042 | 65,058 | 493,486 | 204,169 | 75,744 | 12,950 | 266,964 | 34,357 | 3,234 | 2,930 | 34,660 | 172,776 | 35,385 | 26,322 | 181,839 | 9,345 | 578 | 10,862 | 101 | 11,994 | 48,139 |
| 1998 | 490,420 | 556,578 | 444,207 | 122,058 | 55,901 | 510,365 | 204,493 | 79,022 | 10,036 | 273,478 | 33,999 | 3,700 | 1,553 | 36,147 | 176,409 | 38,311 | 23,642 | 191,078 | 8,637 | 839 | 8,958 | 186 | 11,711 | 46,213 |
| 1999 | 490,118 | 560,904 | 444,103 | 125,985 | 55,199 | 514,899 | 213,317 | 81,653 | 11,602 | 283,368 | 34,199 | 4,277 | 1,563 | 36,914 | 167,345 | 38,677 | 21,230 | 184,791 | 8,438 | 1,333 | 9,232 | 45 | 11,572 | 46,015 |
| 2000 | 488,536 | 561,956 | 442,605 | 131,581 | 58,161 | 516,025 | 209,094 | 83,340 | 12,320 | 280,114 | 33,604 | 4,357 | 1,438 | 36,523 | 169,426 | 41,783 | 22,417 | 188,792 | 8,495 | 2,036 | 11,950 | 65 | 10,036 | 45,930 |
| 2001 | 467,989 | 550,183 | 422,087 | 133,772 | 51,578 | 504,281 | 199,663 | 85,153 | 10,176 | 274,640 | 30,819 | 4,973 | 1,093 | 34,698 | 163,680 | 41,538 | 21,433 | 183,786 | 9,049 | 2,078 | 11,411 | 29 | 7,466 | 45,902 |
| 2002 | 466,735 | 555,423 | 423,693 | 138,361 | 49,673 | 512,381 | 206,756 | 89,323 | 10,156 | 285,922 | 30,207 | 5,909 | 972 | 35,144 | 161,391 | 40,632 | 22,195 | 179,829 | 8,989 | 2,431 | 11,000 | 66 | 5,351 | 43,042 |

[a]U.S. Department of Agriculture, Forest Service (21); U.S. Geological Survey (80); Data may not add to totals because of rounding; Data have been revised.

[b]Prior to 2000, pulpwood logs are not included in logs.

[c]Prior to 1989, pulpwood chips are not included in total production.

[d]Includes pulpwood and the pulpwood equivalent of wood pulp and paper and board.

[e]Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items.

[z]Not available.

**Table 6a—Production, imports, exports, and consumption of softwood timber products, by major product, 1965–2002 (million cubic feet, roundwood equivalent)[a]**

| | | | Industrial roundwood use | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | All products | | Total | | | | Lumber | | | | Plywood and veneer | | | | Pulpwood-based products | | | | Other industrial products, production and consumption[e] | Logs[b] | | Pulpwood chip[c] | | Fuel-wood production and consumption |
| Year | Production | Consumption | Production | Imports | Exports | Consumption | Production | Imports | Exports | Consumption | Production | Imports | Exports | Consumption | Production | Imports[d] | Exports[d] | Consumption | | Imports | Exports | Imports | Exports | |
| 1965 | 8,506 | 9,337 | 8,319 | 1,297 | 465 | 9,150 | 4,583 | 771 | 130 | 5,223 | 945 | 14 | 2 | 957 | 2,313 | 510 | 155 | 2,668 | 300 | 2 | 178 | z | z | 187 |
| 1966 | 8,663 | 9,456 | 8,476 | 1,322 | 529 | 9,269 | 4,514 | 753 | 147 | 5,120 | 990 | 17 | 4 | 1,003 | 2,451 | 546 | 168 | 2,829 | 310 | 7 | 210 | z | z | 187 |
| 1967 | 8,624 | 9,267 | 8,432 | 1,296 | 653 | 9,075 | 4,408 | 756 | 163 | 5,002 | 981 | 16 | 6 | 991 | 2,458 | 518 | 184 | 2,791 | 285 | 5 | 300 | z | z | 192 |
| 1968 | 9,170 | 9,864 | 8,972 | 1,464 | 770 | 9,666 | 4,583 | 915 | 163 | 5,334 | 1,111 | 25 | 5 | 1,131 | 2,602 | 518 | 206 | 2,914 | 281 | 5 | 396 | z | z | 198 |
| 1969 | 9,181 | 9,933 | 8,983 | 1,535 | 783 | 9,735 | 4,437 | 923 | 164 | 5,195 | 1,035 | 29 | 15 | 1,049 | 2,812 | 577 | 233 | 3,155 | 330 | 7 | 371 | z | z | 198 |
| 1970 | 10,303 | 11,005 | 10,075 | 1,652 | 950 | 10,777 | 4,838 | 1,021 | 201 | 5,658 | 1,082 | 27 | 9 | 1,099 | 3,376 | 587 | 313 | 3,650 | 353 | 17 | 427 | z | z | 228 |
| 1971 | 9,621 | 10,573 | 9,405 | 1,710 | 759 | 10,357 | 4,702 | 1,138 | 149 | 5,691 | 1,253 | 33 | 7 | 1,278 | 2,760 | 530 | 245 | 3,045 | 334 | 9 | 357 | z | z | 216 |
| 1972 | 9,855 | 10,875 | 9,632 | 1,945 | 926 | 10,652 | 4,849 | 1,413 | 197 | 6,066 | 1,379 | 42 | 17 | 1,404 | 2,623 | 489 | 225 | 2,887 | 294 | 2 | 487 | z | z | 222 |
| 1973 | 9,942 | 10,845 | 9,731 | 1,957 | 1,053 | 10,635 | 4,947 | 1,421 | 293 | 6,075 | 1,374 | 34 | 31 | 1,377 | 2,603 | 501 | 210 | 2,894 | 287 | 1 | 520 | z | z | 211 |
| 1974 | 9,532 | 10,281 | 9,301 | 1,744 | 994 | 10,051 | 4,630 | 1,149 | 279 | 5,500 | 1,190 | 22 | 41 | 1,171 | 2,823 | 565 | 270 | 3,118 | 255 | 7 | 404 | z | z | 230 |
| 1975 | 9,064 | 9,552 | 8,844 | 1,438 | 950 | 9,331 | 4,602 | 992 | 250 | 5,344 | 1,198 | 25 | 59 | 1,164 | 2,393 | 409 | 225 | 2,577 | 235 | 11 | 416 | z | z | 220 |
| 1976 | 9,596 | 10,306 | 9,381 | 1,754 | 1,045 | 10,090 | 4,624 | 1,248 | 261 | 5,612 | 1,382 | 32 | 54 | 1,360 | 2,630 | 463 | 225 | 2,868 | 240 | 11 | 505 | z | z | 216 |
| 1977 | 9,899 | 11,094 | 9,709 | 2,141 | 946 | 10,904 | 4,966 | 1,632 | 233 | 6,365 | 1,460 | 31 | 22 | 1,469 | 2,566 | 456 | 214 | 2,808 | 240 | 22 | 477 | z | z | 190 |
| 1978 | 10,185 | 11,606 | 9,900 | 2,417 | 997 | 11,321 | 5,009 | 1,862 | 235 | 6,637 | 1,495 | 37 | 22 | 1,509 | 2,629 | 505 | 212 | 2,922 | 240 | 13 | 528 | z | z | 285 |
| 1979 | 10,506 | 11,672 | 10,096 | 2,348 | 1,182 | 11,262 | 4,877 | 1,742 | 296 | 6,322 | 1,452 | 29 | 30 | 1,451 | 2,920 | 558 | 253 | 3,225 | 245 | 19 | 603 | z | z | 410 |
| 1980 | 9,556 | 10,403 | 8,981 | 2,057 | 1,210 | 9,828 | 4,011 | 1,473 | 320 | 5,164 | 1,187 | 18 | 27 | 1,178 | 3,041 | 547 | 365 | 3,223 | 245 | 18 | 497 | z | z | 575 |
| 1981 | 9,191 | 10,131 | 8,601 | 1,996 | 1,056 | 9,541 | 3,839 | 1,446 | 310 | 4,976 | 1,200 | 21 | 49 | 1,172 | 2,937 | 514 | 317 | 3,134 | 245 | 14 | 380 | z | z | 590 |
| 1982 | 9,000 | 9,861 | 8,380 | 1,958 | 1,097 | 9,241 | 3,726 | 1,442 | 268 | 4,899 | 1,125 | 25 | 32 | 1,118 | 2,782 | 476 | 298 | 2,960 | 248 | 16 | 498 | z | z | 620 |
| 1983 | 10,110 | 11,343 | 9,515 | 2,405 | 1,172 | 10,748 | 4,577 | 1,856 | 298 | 6,135 | 1,379 | 39 | 41 | 1,377 | 2,767 | 488 | 291 | 2,964 | 249 | 23 | 542 | z | z | 595 |
| 1984 | 10,351 | 11,890 | 9,716 | 2,633 | 1,094 | 11,255 | 4,715 | 2,022 | 258 | 6,480 | 1,390 | 36 | 26 | 1,401 | 2,821 | 555 | 271 | 3,105 | 250 | 19 | 539 | z | z | 635 |
| 1985 | 10,334 | 12,032 | 9,729 | 2,830 | 1,132 | 11,427 | 4,713 | 2,212 | 246 | 6,678 | 1,392 | 46 | 22 | 1,415 | 2,772 | 561 | 267 | 3,066 | 256 | 11 | 597 | z | z | 605 |
| 1986 | 11,209 | 12,763 | 10,591 | 2,782 | 1,228 | 12,144 | 5,259 | 2,135 | 303 | 7,092 | 1,501 | 47 | 42 | 1,507 | 3,011 | 591 | 321 | 3,281 | 257 | 8 | 562 | z | z | 619 |
| 1987 | 11,748 | 13,219 | 11,235 | 2,879 | 1,408 | 12,706 | 5,629 | 2,174 | 381 | 7,422 | 1,537 | 62 | 53 | 1,546 | 3,158 | 632 | 341 | 3,449 | 277 | 11 | 633 | z | z | 513 |
| 1988 | 11,796 | 12,825 | 11,288 | 2,683 | 1,654 | 12,317 | 5,603 | 1,992 | 495 | 7,100 | 1,497 | 51 | 66 | 1,482 | 3,182 | 631 | 358 | 3,456 | 270 | 9 | 735 | z | z | 508 |
| 1989 | 11,711 | 12,686 | 11,169 | 2,828 | 1,853 | 12,144 | 5,423 | 2,164 | 504 | 7,083 | 1,357 | 30 | 90 | 1,296 | 3,223 | 628 | 386 | 3,465 | 294 | 3 | 719 | 3 | 154 | 542 |
| 1990 | 11,520 | 12,287 | 10,968 | 2,537 | 1,769 | 11,736 | 5,154 | 1,865 | 439 | 6,580 | 1,328 | 26 | 101 | 1,253 | 3,376 | 644 | 417 | 3,603 | 298 | 2 | 639 | 0 | 174 | 551 |
| 1991 | 11,386 | 12,030 | 10,694 | 2,405 | 1,761 | 11,338 | 5,078 | 1,773 | 482 | 6,370 | 1,178 | 23 | 83 | 1,118 | 3,433 | 608 | 483 | 3,558 | 292 | 1 | 556 | 0 | 157 | 691 |
| 1992 | 11,039 | 11,982 | 10,498 | 2,545 | 1,602 | 11,440 | 4,979 | 1,910 | 389 | 6,500 | 1,209 | 29 | 91 | 1,147 | 3,436 | 599 | 509 | 3,526 | 260 | 6 | 489 | 1 | 125 | 542 |
| 1993 | 10,457 | 11,868 | 9,992 | 2,840 | 1,430 | 11,403 | 4,752 | 2,183 | 350 | 6,585 | 1,205 | 29 | 88 | 1,146 | 3,261 | 611 | 443 | 3,430 | 225 | 14 | 422 | 4 | 127 | 465 |
| 1994 | 10,627 | 12,265 | 10,209 | 3,018 | 1,380 | 11,847 | 4,916 | 2,344 | 321 | 6,940 | 1,219 | 27 | 75 | 1,172 | 3,336 | 622 | 460 | 3,498 | 213 | 15 | 387 | 9 | 138 | 418 |
| 1995 | 10,518 | 12,307 | 10,166 | 3,224 | 1,435 | 11,955 | 4,645 | 2,483 | 278 | 6,850 | 1,195 | 31 | 77 | 1,149 | 3,580 | 686 | 539 | 3,727 | 205 | 9 | 408 | 14 | 132 | 352 |
| 1996 | 10,473 | 12,359 | 10,158 | 3,262 | 1,376 | 12,044 | 4,791 | 2,599 | 264 | 7,126 | 1,176 | 30 | 75 | 1,130 | 3,507 | 613 | 534 | 3,587 | 181 | 13 | 381 | 7 | 122 | 315 |
| 1997 | 10,619 | 12,563 | 10,340 | 3,307 | 1,362 | 12,285 | 4,994 | 2,596 | 244 | 7,346 | 1,105 | 35 | 92 | 1,048 | 3,589 | 661 | 548 | 3,701 | 175 | 13 | 332 | 1 | 146 | 278 |
| 1998 | 10,738 | 13,093 | 10,428 | 3,491 | 1,137 | 12,782 | 4,995 | 2,695 | 170 | 7,520 | 1,089 | 43 | 46 | 1,085 | 3,771 | 725 | 509 | 3,987 | 162 | 24 | 263 | 5 | 149 | 310 |
| 1999 | 10,738 | 13,194 | 10,429 | 3,563 | 1,107 | 12,885 | 5,272 | 2,766 | 204 | 7,834 | 1,092 | 53 | 46 | 1,099 | 3,494 | 702 | 444 | 3,752 | 158 | 41 | 266 | 1 | 146 | 309 |
| 2000 | 10,738 | 13,251 | 10,430 | 3,698 | 1,185 | 12,943 | 5,181 | 2,805 | 209 | 7,777 | 1,063 | 58 | 43 | 1,078 | 3,568 | 771 | 474 | 3,865 | 159 | 62 | 330 | 1 | 129 | 308 |
| 2001 | 10,359 | 13,089 | 10,051 | 3,787 | 1,057 | 12,781 | 4,981 | 2,895 | 147 | 7,729 | 939 | 73 | 31 | 982 | 3,430 | 755 | 451 | 3,734 | 272 | 64 | 307 | 1 | 121 | 308 |
| 2002 | 10,489 | 13,378 | 10,200 | 3,915 | 1,026 | 13,089 | 5,246 | 3,026 | 146 | 8,125 | 947 | 92 | 27 | 1,012 | 3,347 | 722 | 462 | 3,607 | 269 | 75 | 279 | 1 | 112 | 289 |

[a]U.S. Department of Agriculture, Forest Service (21); U.S. Geological Survey (80); Data may not add to totals because of rounding; Data have been revised.

[b]Prior to 2000, pulpwood logs are not included in logs.

[c]Prior to 1989, pulpwood chips are not included in total production.

[d]Includes pulpwood and the pulpwood equivalent of wood pulp and paper and board.

[e]Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items.

[z]Not available.

**Table 6b—Production, imports, exports, and consumption of softwood timber products, by major product, 1965–2002 (thousand cubic meters, roundwood equivalent)[a]**

| | | | Industrial roundwood use | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | All products | | Total | | | | Lumber | | | | Plywood and veneer | | | | Pulpwood-based products | | | | Other industrial products, production and consumption[e] | Logs[b] | | Pulpwood chip[c] | | Fuelwood production and consumption |
| Year | Production | Consumption | Production | Imports | Exports | Consumption | Production | Imports | Exports | Consumption | Production | Imports | Exports | Consumption | Production | Imports[d] | Exports[d] | Consumption | | Imports | Exports | Imports | Exports | |
| 1965 | 240,852 | 264,401 | 235,561 | 36,729 | 13,180 | 259,110 | 129,769 | 21,824 | 3,692 | 147,901 | 26,765 | 396 | 65 | 27,097 | 65,488 | 14,448 | 4,380 | 75,557 | 8,495 | 61 | 5,044 | z | z | 5,291 |
| 1966 | 245,310 | 267,766 | 240,009 | 37,435 | 14,980 | 262,465 | 127,815 | 21,326 | 4,162 | 144,978 | 28,048 | 469 | 103 | 28,413 | 69,409 | 15,448 | 4,755 | 80,103 | 8,778 | 193 | 5,959 | z | z | 5,301 |
| 1967 | 244,210 | 262,402 | 238,777 | 36,694 | 18,502 | 256,969 | 124,829 | 21,410 | 4,605 | 141,634 | 27,784 | 465 | 181 | 28,068 | 69,601 | 14,665 | 5,223 | 79,043 | 8,070 | 154 | 8,493 | z | z | 5,433 |
| 1968 | 259,656 | 279,306 | 254,059 | 41,446 | 21,795 | 273,710 | 129,772 | 25,902 | 4,624 | 151,050 | 31,448 | 716 | 139 | 32,025 | 73,669 | 14,677 | 5,830 | 82,516 | 7,968 | 150 | 11,202 | z | z | 5,597 |
| 1969 | 259,988 | 281,283 | 254,381 | 43,462 | 22,167 | 275,676 | 125,632 | 26,133 | 4,657 | 147,109 | 29,304 | 808 | 422 | 29,691 | 79,618 | 16,331 | 6,597 | 89,353 | 9,335 | 189 | 10,492 | z | z | 5,607 |
| 1970 | 291,754 | 311,619 | 285,307 | 46,778 | 26,914 | 305,171 | 136,985 | 28,922 | 5,684 | 160,224 | 30,627 | 759 | 259 | 31,127 | 95,599 | 16,615 | 8,867 | 103,347 | 9,992 | 482 | 12,103 | z | z | 6,448 |
| 1971 | 272,441 | 299,393 | 266,327 | 48,436 | 21,484 | 293,278 | 133,148 | 32,237 | 4,222 | 161,163 | 35,470 | 943 | 212 | 36,201 | 78,161 | 15,003 | 6,951 | 86,213 | 9,448 | 252 | 10,100 | z | z | 6,115 |
| 1972 | 279,058 | 307,935 | 272,760 | 55,090 | 26,214 | 301,636 | 137,318 | 40,022 | 5,578 | 171,762 | 39,039 | 1,176 | 471 | 39,743 | 74,285 | 13,841 | 6,360 | 81,765 | 8,314 | 51 | 13,804 | z | z | 6,298 |
| 1973 | 281,514 | 307,104 | 275,553 | 55,420 | 29,830 | 301,143 | 140,075 | 40,231 | 8,286 | 172,020 | 38,917 | 950 | 873 | 38,994 | 73,697 | 14,200 | 5,940 | 81,957 | 8,133 | 39 | 14,731 | z | z | 5,961 |
| 1974 | 269,909 | 291,131 | 263,383 | 49,371 | 28,149 | 284,604 | 131,105 | 32,548 | 7,907 | 155,746 | 33,696 | 614 | 1,158 | 33,153 | 79,940 | 16,001 | 7,653 | 88,288 | 7,210 | 207 | 11,431 | z | z | 6,527 |
| 1975 | 256,670 | 270,483 | 250,426 | 40,714 | 26,900 | 264,240 | 130,302 | 28,102 | 7,082 | 151,321 | 33,926 | 722 | 1,678 | 32,970 | 67,764 | 11,580 | 6,360 | 72,984 | 6,654 | 310 | 11,779 | z | z | 6,244 |
| 1976 | 271,742 | 291,825 | 265,632 | 49,664 | 29,582 | 285,715 | 130,945 | 35,345 | 7,377 | 158,913 | 39,137 | 894 | 1,533 | 38,497 | 74,461 | 13,120 | 6,377 | 81,204 | 6,796 | 305 | 14,294 | z | z | 6,110 |
| 1977 | 280,305 | 314,155 | 274,925 | 60,630 | 26,781 | 308,774 | 140,612 | 46,219 | 6,594 | 180,237 | 41,356 | 869 | 632 | 41,593 | 72,662 | 12,911 | 6,057 | 79,516 | 6,796 | 632 | 13,498 | z | z | 5,380 |
| 1978 | 288,417 | 328,642 | 280,347 | 68,453 | 28,229 | 320,571 | 141,832 | 52,739 | 6,643 | 187,928 | 42,320 | 1,051 | 636 | 42,735 | 74,458 | 14,305 | 6,010 | 82,754 | 6,796 | 358 | 14,940 | z | z | 8,070 |
| 1979 | 297,507 | 330,524 | 285,897 | 66,493 | 33,476 | 318,914 | 138,091 | 49,332 | 8,393 | 179,030 | 41,110 | 819 | 843 | 41,086 | 82,690 | 15,807 | 7,172 | 91,325 | 6,938 | 536 | 17,068 | z | z | 11,610 |
| 1980 | 270,602 | 294,585 | 254,320 | 58,244 | 34,261 | 278,303 | 113,592 | 41,716 | 9,070 | 146,237 | 33,606 | 517 | 773 | 33,350 | 86,102 | 15,495 | 10,335 | 91,262 | 6,938 | 517 | 14,083 | z | z | 16,282 |
| 1981 | 260,264 | 286,877 | 243,557 | 56,519 | 29,906 | 270,170 | 108,722 | 40,950 | 8,775 | 140,897 | 33,971 | 607 | 1,394 | 33,183 | 83,160 | 14,565 | 8,970 | 88,755 | 6,938 | 397 | 10,767 | z | z | 16,707 |
| 1982 | 254,839 | 279,226 | 237,282 | 55,443 | 31,056 | 261,670 | 105,496 | 40,822 | 7,585 | 138,733 | 31,864 | 707 | 910 | 31,661 | 78,792 | 13,466 | 8,451 | 83,807 | 7,021 | 448 | 14,109 | z | z | 17,557 |
| 1983 | 286,296 | 321,208 | 269,447 | 68,107 | 33,195 | 304,359 | 129,618 | 52,561 | 8,446 | 173,733 | 39,062 | 1,092 | 1,150 | 39,004 | 78,352 | 13,810 | 8,241 | 83,921 | 7,057 | 645 | 15,358 | z | z | 16,849 |
| 1984 | 293,099 | 336,685 | 275,118 | 74,555 | 30,969 | 318,704 | 133,526 | 57,270 | 7,310 | 183,485 | 39,371 | 1,030 | 730 | 39,670 | 79,874 | 15,726 | 7,666 | 87,934 | 7,086 | 529 | 15,262 | z | z | 17,981 |
| 1985 | 292,616 | 340,706 | 275,485 | 80,141 | 32,052 | 323,574 | 133,445 | 62,631 | 6,965 | 189,111 | 39,408 | 1,290 | 628 | 40,070 | 78,485 | 15,899 | 7,555 | 86,830 | 7,242 | 321 | 16,904 | z | z | 17,132 |
| 1986 | 317,419 | 361,415 | 299,897 | 78,776 | 34,780 | 343,893 | 148,923 | 60,469 | 8,576 | 200,816 | 42,513 | 1,330 | 1,176 | 42,667 | 85,272 | 16,742 | 9,103 | 92,911 | 7,263 | 236 | 15,926 | z | z | 17,522 |
| 1987 | 332,674 | 374,328 | 318,148 | 81,512 | 39,859 | 359,801 | 159,408 | 61,550 | 10,781 | 210,178 | 43,534 | 1,747 | 1,496 | 43,785 | 89,420 | 17,903 | 9,645 | 97,677 | 7,849 | 311 | 17,936 | z | z | 14,527 |
| 1988 | 334,029 | 363,166 | 319,644 | 75,982 | 46,845 | 348,781 | 158,666 | 56,404 | 14,026 | 201,044 | 42,399 | 1,445 | 1,869 | 41,975 | 90,115 | 17,879 | 10,139 | 97,854 | 7,654 | 253 | 20,810 | z | z | 14,385 |
| 1989 | 331,625 | 359,230 | 316,282 | 80,075 | 52,470 | 343,887 | 153,563 | 61,281 | 14,276 | 200,568 | 38,426 | 842 | 2,556 | 36,712 | 91,266 | 17,781 | 10,940 | 98,108 | 8,329 | 95 | 20,350 | 75 | 4,347 | 15,343 |
| 1990 | 326,206 | 347,942 | 310,594 | 71,840 | 50,104 | 332,330 | 145,955 | 52,802 | 12,421 | 186,336 | 37,600 | 732 | 2,851 | 35,482 | 95,589 | 18,243 | 11,816 | 102,016 | 8,435 | 58 | 18,089 | 3 | 4,927 | 15,612 |
| 1991 | 322,410 | 340,641 | 302,835 | 68,099 | 49,868 | 321,067 | 143,794 | 50,213 | 13,639 | 180,368 | 33,366 | 645 | 2,360 | 31,650 | 97,201 | 17,205 | 13,663 | 100,742 | 8,269 | 34 | 15,752 | 2 | 4,453 | 19,574 |
| 1992 | 312,601 | 339,283 | 297,258 | 72,054 | 45,372 | 323,940 | 140,986 | 54,084 | 11,004 | 184,067 | 34,237 | 822 | 2,582 | 32,477 | 97,296 | 16,948 | 14,402 | 99,842 | 7,354 | 167 | 13,837 | 33 | 3,548 | 15,343 |
| 1993 | 296,109 | 336,056 | 282,952 | 80,432 | 40,485 | 322,899 | 134,563 | 61,814 | 9,920 | 186,457 | 34,108 | 813 | 2,480 | 32,441 | 92,350 | 17,298 | 12,532 | 97,116 | 6,378 | 388 | 11,955 | 119 | 3,598 | 13,157 |
| 1994 | 300,929 | 347,311 | 289,080 | 85,465 | 39,083 | 335,462 | 139,219 | 66,381 | 9,081 | 196,518 | 34,528 | 774 | 2,116 | 33,186 | 94,454 | 17,626 | 13,024 | 99,055 | 6,018 | 427 | 10,960 | 257 | 3,901 | 11,849 |
| 1995 | 297,838 | 348,497 | 287,872 | 91,296 | 40,637 | 338,531 | 131,539 | 70,317 | 7,878 | 193,978 | 33,845 | 891 | 2,189 | 32,547 | 101,385 | 19,437 | 15,275 | 105,547 | 5,808 | 247 | 11,560 | 404 | 3,735 | 9,966 |
| 1996 | 296,563 | 349,975 | 287,644 | 92,363 | 38,951 | 341,057 | 135,677 | 73,584 | 7,469 | 201,792 | 33,293 | 843 | 2,134 | 32,002 | 99,310 | 17,371 | 15,115 | 101,566 | 5,133 | 379 | 10,791 | 186 | 3,441 | 8,919 |
| 1997 | 300,692 | 355,753 | 292,811 | 93,637 | 38,576 | 347,872 | 141,404 | 73,518 | 6,910 | 208,012 | 31,281 | 994 | 2,597 | 29,679 | 101,630 | 18,708 | 15,525 | 104,812 | 4,953 | 381 | 9,412 | 36 | 4,132 | 7,880 |
| 1998 | 304,082 | 370,746 | 295,296 | 98,854 | 32,190 | 361,960 | 141,448 | 76,314 | 4,806 | 212,956 | 30,825 | 1,206 | 1,301 | 30,730 | 106,775 | 20,541 | 14,412 | 112,904 | 4,577 | 666 | 7,457 | 128 | 4,214 | 8,786 |
| 1999 | 304,059 | 373,619 | 295,311 | 100,902 | 31,342 | 364,871 | 149,298 | 78,317 | 5,770 | 221,845 | 30,923 | 1,508 | 1,315 | 31,116 | 98,935 | 19,889 | 12,575 | 106,249 | 4,472 | 1,152 | 7,542 | 37 | 4,140 | 8,748 |
| 2000 | 304,075 | 375,230 | 295,343 | 104,702 | 33,548 | 366,498 | 146,699 | 79,419 | 5,907 | 220,212 | 30,104 | 1,637 | 1,219 | 30,522 | 101,035 | 21,838 | 13,419 | 109,454 | 4,502 | 1,768 | 9,357 | 39 | 3,646 | 8,732 |
| 2001 | 293,328 | 370,645 | 284,601 | 107,243 | 29,926 | 361,919 | 141,038 | 81,968 | 4,150 | 218,856 | 26,603 | 2,063 | 867 | 27,798 | 97,128 | 21,382 | 12,777 | 105,732 | 7,702 | 1,807 | 8,701 | 23 | 3,430 | 8,727 |
| 2002 | 297,025 | 378,826 | 288,842 | 110,864 | 29,064 | 370,643 | 148,544 | 85,679 | 4,141 | 230,083 | 26,816 | 2,594 | 757 | 28,653 | 94,764 | 20,457 | 13,078 | 102,143 | 7,630 | 2,111 | 7,904 | 23 | 3,185 | 8,183 |

[a]U.S. Department of Agriculture, Forest Service (21); U.S. Geological Survey (80); Data may not add to totals because of rounding; Data have been revised.

[b]Prior to 2000, pulpwood logs are not included in logs.

[c]Prior to 1989, pulpwood chips are not included in total production.

[d]Includes pulpwood and the pulpwood equivalent of wood pulp and paper and board.

[e]Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items.

[z]Not available.

**Table 7a—Production, imports, exports, and consumption of hardwood timber products, by major product, 1965–2002 (million cubic feet, roundwood equivalent)[a]**

| | | | Industrial roundwood use | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | All products | | Total | | | | Lumber | | | | Plywood and veneer | | | | Pulpwood-based products | | | | Other industrial products, production and consumption[e] | Logs[b] | | Pulpwood chip[c] | | Fuelwood production and consumption |
| Year | Production | Consumption | Production | Imports | Exports | Consumption | Production | Imports | Exports | Consumption | Production | Imports | Exports | Consumption | Production | Imports[d] | Exports[d] | Consumption | | Imports | Exports | Imports | Exports | |
| 1965 | 3,763 | 3,987 | 2,912 | 312 | 89 | 3,136 | 1,650 | 58 | 17 | 1,691 | 125 | 55 | 0 | 180 | 864 | 191 | 58 | 997 | 260 | 9 | 13 | z | z | 851 |
| 1966 | 3,897 | 4,142 | 3,045 | 357 | 112 | 3,290 | 1,709 | 73 | 35 | 1,747 | 128 | 65 | 0 | 193 | 941 | 210 | 65 | 1,086 | 255 | 8 | 12 | z | z | 853 |
| 1967 | 3,774 | 3,979 | 2,900 | 323 | 119 | 3,105 | 1,628 | 60 | 35 | 1,653 | 119 | 65 | 1 | 184 | 907 | 191 | 68 | 1,030 | 230 | 7 | 16 | z | z | 874 |
| 1968 | 3,742 | 3,987 | 2,842 | 353 | 108 | 3,087 | 1,529 | 60 | 17 | 1,572 | 127 | 98 | 1 | 224 | 937 | 187 | 74 | 1,050 | 234 | 7 | 15 | z | z | 900 |
| 1969 | 3,881 | 4,173 | 2,979 | 410 | 119 | 3,271 | 1,529 | 78 | 17 | 1,589 | 118 | 110 | 1 | 227 | 1,049 | 216 | 87 | 1,178 | 270 | 6 | 13 | z | z | 902 |
| 1970 | 4,249 | 4,482 | 3,211 | 367 | 134 | 3,445 | 1,674 | 67 | 20 | 1,721 | 115 | 107 | 3 | 219 | 1,112 | 187 | 100 | 1,199 | 299 | 6 | 11 | z | z | 1,037 |
| 1971 | 3,912 | 4,171 | 2,895 | 394 | 135 | 3,154 | 1,480 | 62 | 35 | 1,507 | 125 | 132 | 1 | 257 | 1,012 | 195 | 90 | 1,117 | 268 | 5 | 9 | z | z | 1,017 |
| 1972 | 3,983 | 4,287 | 2,935 | 448 | 144 | 3,239 | 1,489 | 78 | 35 | 1,533 | 133 | 164 | 2 | 296 | 1,074 | 201 | 92 | 1,183 | 223 | 4 | 15 | z | z | 1,048 |
| 1973 | 4,055 | 4,363 | 3,064 | 459 | 151 | 3,372 | 1,543 | 96 | 35 | 1,604 | 122 | 132 | 3 | 251 | 1,173 | 227 | 95 | 1,305 | 208 | 4 | 18 | z | z | 991 |
| 1974 | 4,137 | 4,381 | 3,051 | 426 | 181 | 3,295 | 1,484 | 78 | 35 | 1,528 | 97 | 86 | 4 | 178 | 1,277 | 257 | 123 | 1,411 | 173 | 5 | 19 | z | z | 1,086 |
| 1975 | 3,512 | 3,681 | 2,473 | 310 | 140 | 2,643 | 1,282 | 44 | 35 | 1,291 | 79 | 100 | 5 | 174 | 952 | 163 | 90 | 1,025 | 150 | 3 | 11 | z | z | 1,039 |
| 1976 | 3,738 | 3,957 | 2,722 | 367 | 149 | 2,941 | 1,402 | 50 | 35 | 1,417 | 84 | 123 | 5 | 202 | 1,086 | 192 | 94 | 1,184 | 135 | 2 | 15 | z | z | 1,016 |
| 1977 | 4,059 | 4,288 | 2,821 | 372 | 143 | 3,050 | 1,495 | 60 | 35 | 1,520 | 91 | 117 | 4 | 205 | 1,075 | 192 | 90 | 1,177 | 145 | 2 | 14 | z | z | 1,238 |
| 1978 | 4,602 | 4,842 | 3,030 | 426 | 186 | 3,270 | 1,578 | 63 | 70 | 1,571 | 92 | 130 | 2 | 220 | 1,188 | 230 | 97 | 1,321 | 155 | 3 | 18 | z | z | 1,572 |
| 1979 | 4,944 | 5,156 | 3,125 | 410 | 198 | 3,336 | 1,640 | 66 | 70 | 1,636 | 89 | 108 | 2 | 195 | 1,216 | 234 | 106 | 1,343 | 160 | 2 | 21 | z | z | 1,820 |
| 1980 | 5,163 | 5,238 | 3,093 | 333 | 259 | 3,167 | 1,611 | 51 | 87 | 1,575 | 78 | 62 | 3 | 138 | 1,209 | 218 | 145 | 1,282 | 170 | 2 | 24 | z | z | 2,070 |
| 1981 | 5,084 | 5,183 | 2,856 | 349 | 251 | 2,955 | 1,319 | 51 | 87 | 1,282 | 75 | 77 | 3 | 149 | 1,258 | 219 | 135 | 1,342 | 180 | 2 | 25 | z | z | 2,227 |
| 1982 | 5,860 | 6,007 | 2,940 | 359 | 212 | 3,087 | 1,407 | 37 | 64 | 1,380 | 95 | 97 | 3 | 189 | 1,236 | 222 | 130 | 1,328 | 187 | 3 | 15 | z | z | 2,920 |
| 1983 | 6,166 | 6,373 | 3,364 | 467 | 260 | 3,571 | 1,543 | 45 | 86 | 1,502 | 104 | 140 | 3 | 241 | 1,503 | 278 | 153 | 1,628 | 196 | 4 | 18 | z | z | 2,802 |
| 1984 | 6,643 | 6,899 | 3,652 | 511 | 256 | 3,909 | 1,775 | 57 | 92 | 1,741 | 103 | 125 | 2 | 226 | 1,549 | 325 | 142 | 1,732 | 205 | 5 | 20 | z | z | 2,991 |
| 1985 | 6,521 | 6,850 | 3,671 | 573 | 244 | 4,001 | 1,691 | 63 | 71 | 1,684 | 93 | 149 | 3 | 239 | 1,660 | 357 | 153 | 1,864 | 209 | 5 | 18 | z | z | 2,849 |
| 1986 | 6,967 | 7,254 | 4,053 | 597 | 310 | 4,340 | 1,846 | 60 | 91 | 1,816 | 96 | 152 | 4 | 244 | 1,869 | 381 | 193 | 2,057 | 219 | 4 | 22 | z | z | 2,914 |
| 1987 | 6,566 | 6,868 | 4,149 | 649 | 347 | 4,451 | 1,982 | 89 | 130 | 1,941 | 102 | 179 | 4 | 277 | 1,824 | 380 | 190 | 2,013 | 218 | 2 | 24 | z | z | 2,416 |
| 1988 | 6,722 | 6,866 | 4,330 | 595 | 452 | 4,473 | 2,064 | 53 | 208 | 1,909 | 101 | 150 | 6 | 245 | 1,892 | 390 | 205 | 2,077 | 240 | 2 | 33 | z | z | 2,393 |
| 1989 | 6,861 | 6,879 | 4,553 | 548 | 530 | 4,571 | 2,118 | 61 | 150 | 2,029 | 97 | 85 | 7 | 174 | 1,926 | 395 | 221 | 2,099 | 261 | 3 | 34 | 5 | 117 | 2,308 |
| 1990 | 6,957 | 6,927 | 4,609 | 507 | 538 | 4,578 | 2,163 | 40 | 151 | 2,053 | 95 | 71 | 9 | 157 | 1,937 | 394 | 229 | 2,102 | 264 | 2 | 35 | 1 | 114 | 2,349 |
| 1991 | 7,438 | 7,238 | 4,493 | 459 | 659 | 4,294 | 1,961 | 37 | 164 | 1,833 | 89 | 60 | 11 | 138 | 1,964 | 361 | 264 | 2,062 | 259 | 1 | 45 | 0 | 174 | 2,945 |
| 1992 | 7,025 | 6,795 | 4,717 | 512 | 742 | 4,487 | 2,003 | 45 | 172 | 1,876 | 85 | 71 | 15 | 142 | 2,080 | 393 | 293 | 2,181 | 287 | 1 | 36 | 1 | 226 | 2,308 |
| 1993 | 6,901 | 6,770 | 4,921 | 582 | 714 | 4,790 | 2,142 | 55 | 182 | 2,014 | 89 | 71 | 13 | 148 | 2,162 | 454 | 281 | 2,334 | 292 | 1 | 38 | 1 | 199 | 1,979 |
| 1994 | 6,738 | 6,596 | 4,956 | 618 | 760 | 4,813 | 2,168 | 64 | 193 | 2,039 | 101 | 67 | 11 | 156 | 2,240 | 480 | 298 | 2,422 | 188 | 3 | 42 | 5 | 216 | 1,783 |
| 1995 | 7,086 | 6,941 | 5,288 | 705 | 850 | 5,143 | 2,212 | 62 | 184 | 2,089 | 107 | 76 | 12 | 172 | 2,499 | 559 | 366 | 2,692 | 182 | 4 | 43 | 5 | 245 | 1,798 |
| 1996 | 6,795 | 6,575 | 5,186 | 674 | 894 | 4,966 | 2,183 | 66 | 190 | 2,059 | 105 | 67 | 11 | 161 | 2,401 | 530 | 357 | 2,574 | 161 | 5 | 41 | 5 | 295 | 1,609 |
| 1997 | 6,743 | 6,564 | 5,322 | 756 | 935 | 5,142 | 2,217 | 79 | 213 | 2,082 | 109 | 79 | 12 | 176 | 2,512 | 589 | 381 | 2,720 | 155 | 7 | 51 | 2 | 278 | 1,422 |
| 1998 | 6,580 | 6,563 | 5,259 | 819 | 837 | 5,241 | 2,226 | 96 | 185 | 2,137 | 112 | 88 | 9 | 191 | 2,459 | 624 | 326 | 2,761 | 143 | 6 | 53 | 2 | 265 | 1,322 |
| 1999 | 6,571 | 6,614 | 5,255 | 886 | 842 | 5,298 | 2,261 | 118 | 206 | 2,173 | 116 | 98 | 9 | 205 | 2,416 | 663 | 306 | 2,774 | 140 | 6 | 60 | 0 | 262 | 1,316 |
| 2000 | 6,514 | 6,594 | 5,200 | 949 | 869 | 5,280 | 2,203 | 138 | 226 | 2,115 | 124 | 96 | 8 | 212 | 2,415 | 704 | 318 | 2,802 | 141 | 9 | 92 | 1 | 226 | 1,314 |
| 2001 | 6,168 | 6,340 | 4,855 | 937 | 765 | 5,027 | 2,070 | 112 | 213 | 1,970 | 149 | 103 | 8 | 244 | 2,350 | 712 | 306 | 2,756 | 48 | 10 | 96 | 0 | 143 | 1,313 |
| 2002 | 5,993 | 6,236 | 4,762 | 971 | 728 | 5,005 | 2,056 | 129 | 212 | 1,972 | 120 | 117 | 8 | 229 | 2,353 | 712 | 322 | 2,743 | 48 | 11 | 109 | 2 | 76 | 1,231 |

[a]U.S. Department of Agriculture, Forest Service (21); U.S. Geological Survey (80); Data may not add to totals because of rounding; Data have been revised.

[b]Prior to 2000, pulpwood logs are not included in logs.

[c]Prior to 1989, pulpwood chips are not included in total production.

[d]Includes pulpwood and the pulpwood equivalent of wood pulp and paper and board.

[e]Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items.

[z]Not available.

**Table 7b—Production, imports, exports, and consumption of hardwood timber products, by major product, 1965–2002 (thousand cubic meters, roundwood equivalent)[a]**

| | | | Industrial roundwood use | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | All products | | Total | | | | Lumber | | | | Plywood and veneer | | | | Pulpwood-based products | | | | Other industrial products, production and consumption[e] | Logs[b] | | Pulpwood chip[c] | | Fuelwood production and consumption |
| Year | Production | Consumption | Production | Imports | Exports | Consumption | Production | Imports | Exports | Consumption | Production | Imports | Exports | Consumption | Production | Imports[d] | Exports[d] | Consumption | | Imports | Exports | Imports | Exports | |
| 1965 | 106,552 | 112,912 | 82,449 | 8,848 | 2,510 | 88,810 | 46,720 | 1,649 | 493 | 47,876 | 3,540 | 1,544 | 10 | 5,097 | 24,458 | 5,407 | 1,638 | 28,227 | 7,362 | 0 | 369 | z | z | 24,102 |
| 1966 | 110,360 | 117,301 | 86,212 | 10,106 | 3,171 | 93,152 | 48,383 | 2,076 | 987 | 49,472 | 3,625 | 1,849 | 14 | 5,465 | 26,642 | 5,941 | 1,828 | 30,754 | 7,221 | 241 | 342 | z | z | 24,149 |
| 1967 | 106,874 | 112,665 | 82,121 | 9,142 | 3,372 | 87,913 | 46,113 | 1,691 | 987 | 46,817 | 3,370 | 1,835 | 15 | 5,210 | 25,687 | 5,421 | 1,930 | 29,178 | 6,513 | 195 | 439 | z | z | 24,752 |
| 1968 | 105,974 | 112,903 | 80,478 | 9,991 | 3,049 | 87,408 | 43,292 | 1,702 | 493 | 44,501 | 3,596 | 2,782 | 23 | 6,343 | 26,545 | 5,299 | 2,104 | 29,741 | 6,615 | 208 | 430 | z | z | 25,495 |
| 1969 | 109,904 | 118,161 | 84,362 | 11,603 | 3,356 | 92,619 | 43,286 | 2,203 | 493 | 44,996 | 3,341 | 3,108 | 32 | 6,428 | 29,716 | 6,110 | 2,467 | 33,359 | 7,655 | 182 | 363 | z | z | 25,542 |
| 1970 | 120,307 | 126,917 | 90,934 | 10,382 | 3,787 | 97,544 | 47,395 | 1,907 | 566 | 48,735 | 3,256 | 3,019 | 90 | 6,201 | 31,499 | 5,284 | 2,819 | 33,965 | 8,471 | 172 | 312 | z | z | 29,373 |
| 1971 | 110,785 | 118,124 | 81,985 | 11,159 | 3,835 | 89,324 | 41,909 | 1,765 | 987 | 42,687 | 3,540 | 3,749 | 26 | 7,277 | 28,671 | 5,517 | 2,555 | 31,632 | 7,599 | 128 | 267 | z | z | 28,800 |
| 1972 | 112,774 | 121,397 | 83,110 | 12,690 | 4,076 | 91,733 | 42,172 | 2,214 | 987 | 43,399 | 3,766 | 4,655 | 48 | 8,382 | 30,420 | 5,695 | 2,616 | 33,499 | 6,326 | 127 | 425 | z | z | 29,664 |
| 1973 | 114,839 | 123,552 | 86,763 | 12,986 | 4,274 | 95,477 | 43,696 | 2,707 | 987 | 45,416 | 3,455 | 3,727 | 76 | 7,108 | 33,213 | 6,438 | 2,695 | 36,956 | 5,884 | 113 | 516 | z | z | 28,076 |
| 1974 | 117,135 | 124,049 | 86,396 | 12,054 | 5,132 | 93,310 | 42,035 | 2,218 | 987 | 43,267 | 2,747 | 2,425 | 123 | 5,040 | 36,168 | 7,271 | 3,485 | 39,953 | 4,909 | 140 | 538 | z | z | 30,739 |
| 1975 | 99,447 | 104,244 | 70,039 | 8,766 | 3,963 | 74,837 | 36,307 | 1,243 | 987 | 36,563 | 2,237 | 2,829 | 134 | 4,927 | 26,948 | 4,617 | 2,543 | 29,022 | 4,248 | 77 | 300 | z | z | 29,407 |
| 1976 | 105,842 | 112,047 | 77,066 | 10,401 | 4,210 | 83,271 | 39,694 | 1,422 | 987 | 40,129 | 2,379 | 3,475 | 147 | 5,720 | 30,743 | 5,439 | 2,648 | 33,534 | 3,823 | 64 | 427 | z | z | 28,777 |
| 1977 | 114,931 | 121,419 | 79,871 | 10,532 | 4,062 | 86,360 | 42,341 | 1,696 | 987 | 43,050 | 2,577 | 3,325 | 116 | 5,805 | 30,441 | 5,443 | 2,553 | 33,331 | 4,106 | 68 | 406 | z | z | 35,060 |
| 1978 | 130,318 | 137,110 | 85,798 | 12,054 | 5,266 | 92,590 | 44,672 | 1,783 | 1,973 | 44,482 | 2,605 | 3,678 | 58 | 6,230 | 33,630 | 6,512 | 2,733 | 37,409 | 4,389 | 81 | 502 | z | z | 44,520 |
| 1979 | 140,012 | 145,999 | 88,485 | 11,597 | 5,617 | 94,473 | 46,431 | 1,856 | 1,973 | 46,313 | 2,520 | 3,054 | 60 | 5,522 | 34,420 | 6,621 | 3,000 | 38,041 | 4,531 | 66 | 583 | z | z | 51,527 |
| 1980 | 146,207 | 148,317 | 87,579 | 9,435 | 7,329 | 89,690 | 45,622 | 1,446 | 2,467 | 44,601 | 2,209 | 1,768 | 74 | 3,908 | 34,247 | 6,160 | 4,101 | 36,306 | 4,814 | 61 | 688 | z | z | 58,628 |
| 1981 | 143,952 | 146,754 | 80,887 | 9,891 | 7,096 | 83,688 | 37,336 | 1,436 | 2,467 | 36,306 | 2,124 | 2,187 | 98 | 4,219 | 35,618 | 6,207 | 3,820 | 38,005 | 5,097 | 61 | 712 | z | z | 63,066 |
| 1982 | 165,942 | 170,097 | 83,255 | 10,175 | 6,004 | 87,410 | 39,845 | 1,041 | 1,820 | 39,066 | 2,690 | 2,757 | 79 | 5,352 | 35,001 | 6,294 | 3,683 | 37,613 | 5,297 | 83 | 422 | z | z | 82,687 |
| 1983 | 174,614 | 180,467 | 95,261 | 13,232 | 7,366 | 101,114 | 43,696 | 1,285 | 2,442 | 42,539 | 2,945 | 3,975 | 83 | 6,824 | 42,570 | 7,869 | 4,335 | 46,104 | 5,544 | 102 | 505 | z | z | 79,353 |
| 1984 | 188,108 | 195,367 | 103,420 | 14,479 | 7,241 | 110,679 | 50,273 | 1,617 | 2,595 | 49,294 | 2,917 | 3,530 | 67 | 6,400 | 43,865 | 9,197 | 4,010 | 49,051 | 5,798 | 136 | 569 | z | z | 84,688 |
| 1985 | 184,649 | 193,982 | 103,963 | 16,236 | 6,903 | 113,295 | 47,892 | 1,794 | 2,003 | 47,682 | 2,631 | 4,210 | 73 | 6,768 | 47,011 | 10,103 | 4,324 | 52,791 | 5,925 | 129 | 504 | z | z | 80,687 |
| 1986 | 197,288 | 205,405 | 114,765 | 16,902 | 8,785 | 122,883 | 52,281 | 1,711 | 2,580 | 51,412 | 2,729 | 4,296 | 107 | 6,918 | 52,936 | 10,775 | 5,465 | 58,246 | 6,187 | 120 | 633 | z | z | 82,522 |
| 1987 | 185,916 | 194,469 | 117,499 | 18,389 | 9,836 | 126,052 | 56,124 | 2,521 | 3,670 | 54,975 | 2,889 | 5,055 | 109 | 7,835 | 51,642 | 10,750 | 5,381 | 57,012 | 6,167 | 63 | 676 | z | z | 68,417 |
| 1988 | 190,357 | 194,419 | 122,607 | 16,858 | 12,795 | 126,669 | 58,448 | 1,504 | 5,895 | 54,057 | 2,863 | 4,257 | 173 | 6,948 | 53,585 | 11,041 | 5,805 | 58,822 | 6,788 | 55 | 923 | z | z | 67,750 |
| 1989 | 194,291 | 194,786 | 128,930 | 15,511 | 15,016 | 129,426 | 59,976 | 1,724 | 4,257 | 57,443 | 2,738 | 2,400 | 199 | 4,939 | 54,539 | 11,171 | 6,268 | 59,442 | 7,386 | 83 | 966 | 133 | 3,325 | 65,360 |
| 1990 | 197,007 | 196,143 | 130,500 | 14,358 | 15,223 | 129,636 | 61,249 | 1,143 | 4,267 | 58,125 | 2,692 | 2,000 | 242 | 4,451 | 54,847 | 11,148 | 6,481 | 59,514 | 7,480 | 46 | 994 | 21 | 3,238 | 66,507 |
| 1991 | 210,610 | 204,967 | 127,224 | 13,004 | 18,648 | 121,581 | 55,528 | 1,037 | 4,647 | 51,918 | 2,519 | 1,699 | 320 | 3,898 | 55,626 | 10,232 | 7,463 | 58,396 | 7,333 | 27 | 1,283 | 9 | 4,934 | 83,386 |
| 1992 | 198,932 | 192,407 | 133,572 | 14,486 | 21,012 | 127,046 | 56,714 | 1,282 | 4,884 | 53,112 | 2,416 | 2,010 | 419 | 4,008 | 58,908 | 11,133 | 8,293 | 61,748 | 8,118 | 30 | 1,015 | 31 | 6,401 | 65,360 |
| 1993 | 195,408 | 191,696 | 139,359 | 16,492 | 20,204 | 135,646 | 60,648 | 1,546 | 5,165 | 57,030 | 2,520 | 2,014 | 357 | 4,177 | 61,210 | 12,863 | 7,967 | 66,106 | 8,265 | 37 | 1,074 | 31 | 5,642 | 56,049 |
| 1994 | 190,805 | 186,772 | 140,328 | 17,500 | 21,533 | 136,295 | 61,399 | 1,822 | 5,471 | 57,749 | 2,850 | 1,883 | 320 | 4,413 | 63,433 | 13,589 | 8,433 | 68,590 | 5,337 | 73 | 1,195 | 134 | 6,114 | 50,477 |
| 1995 | 200,644 | 196,546 | 149,729 | 19,963 | 24,061 | 145,631 | 62,629 | 1,748 | 5,216 | 59,161 | 3,038 | 2,145 | 326 | 4,856 | 70,751 | 15,824 | 10,359 | 76,217 | 5,151 | 117 | 1,213 | 129 | 6,946 | 50,915 |
| 1996 | 192,403 | 186,177 | 146,839 | 19,077 | 25,302 | 140,614 | 61,828 | 1,859 | 5,376 | 58,311 | 2,982 | 1,909 | 324 | 4,568 | 67,982 | 15,012 | 10,107 | 72,887 | 4,552 | 142 | 1,147 | 155 | 8,348 | 45,563 |
| 1997 | 190,949 | 185,872 | 150,691 | 21,405 | 26,482 | 145,614 | 62,765 | 2,226 | 6,040 | 58,951 | 3,075 | 2,239 | 334 | 4,981 | 71,146 | 16,677 | 10,796 | 77,027 | 4,392 | 197 | 1,449 | 66 | 7,862 | 40,259 |
| 1998 | 186,339 | 185,832 | 148,911 | 23,204 | 23,711 | 148,405 | 63,045 | 2,707 | 5,230 | 60,522 | 3,174 | 2,495 | 252 | 5,417 | 69,634 | 17,771 | 9,230 | 78,174 | 4,059 | 174 | 1,502 | 58 | 7,497 | 37,427 |
| 1999 | 186,060 | 187,286 | 148,793 | 25,082 | 23,856 | 150,019 | 64,019 | 3,336 | 5,831 | 61,524 | 3,276 | 2,774 | 247 | 5,798 | 68,409 | 18,788 | 8,656 | 78,542 | 3,966 | 181 | 1,690 | 8 | 7,432 | 37,267 |
| 2000 | 184,460 | 186,725 | 147,262 | 26,879 | 24,614 | 149,527 | 62,395 | 3,920 | 6,413 | 59,902 | 3,500 | 2,720 | 219 | 6,001 | 68,391 | 19,945 | 8,998 | 79,338 | 3,993 | 268 | 2,593 | 26 | 6,389 | 37,198 |
| 2001 | 174,661 | 179,537 | 137,486 | 26,529 | 21,653 | 142,362 | 58,626 | 3,185 | 6,026 | 55,785 | 4,216 | 2,910 | 226 | 6,900 | 66,553 | 20,156 | 8,655 | 78,054 | 1,346 | 271 | 2,710 | 6 | 4,035 | 37,175 |
| 2002 | 169,710 | 176,597 | 134,851 | 27,496 | 20,609 | 141,738 | 58,211 | 3,643 | 6,015 | 55,839 | 3,391 | 3,315 | 215 | 6,491 | 66,627 | 20,175 | 9,117 | 77,686 | 1,359 | 320 | 3,096 | 43 | 2,166 | 34,859 |

[a]U.S. Department of Agriculture, Forest Service (21); U.S. Geological Survey (80); Data may not add to totals because of rounding; Data have been revised.

[b]Prior to 2000, pulpwood logs are not included in logs.

[c]Prior to 1989, pulpwood chips are not included in total production.

[d]Includes pulpwood and the pulpwood equivalent of wood pulp and paper and board.

[e]Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items.

[z]Not available.

**Table 8a—Production, imports, exports, and consumption of timber products (excludes additives and fillers) in tons, by major product, 1965–2002 (million tons,[a] air-dry weight of wood)[b]**

| | | | The weight of wood in products | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | All products | | Total | | | | Lumber[c] | | | | Plywood and veneer[d] | | | | Panel products[e] | | | | Wood pulp[f] | | | | Other industrial products, production and consumption[n] | Logs[g] | | Pulpwood chip | | Fuel-wood production and consumption |
| Year | Production | Consumption | Production | Imports | Exports | Consumption | Production | Imports | Exports | Consumption | Production | Imports | Exports | Consumption[h] | Production[i] | Imports[j] | Exports[k] | Consumption | Production | Imports[l] | Exports[m] | Consumption | | Imports | Exports | Imports | Exports | |
| 1965 | 122.6 | 131.7 | 104.4 | 16.1 | 7.0 | 113.5 | 46.5 | 5.3 | 0.9 | 50.8 | 6.8 | 0.7 | 0.0 | 7.5 | 2.9 | 0.2 | 0.0 | 3.2 | 36.6 | 9.7 | 2.9 | 43.3 | 8.5 | 0.2 | 3.0 | z | 0.1 | 18.2 |
| 1966 | 126.8 | 135.7 | 108.6 | 17.2 | 8.3 | 117.5 | 46.6 | 5.4 | 1.2 | 50.7 | 7.1 | 0.8 | 0.0 | 7.9 | 3.2 | 0.2 | 0.0 | 3.3 | 39.4 | 10.5 | 3.2 | 46.7 | 8.6 | 0.2 | 3.4 | z | 0.3 | 18.2 |
| 1967 | 126.5 | 132.4 | 107.8 | 16.4 | 10.5 | 113.7 | 45.1 | 5.2 | 1.3 | 49.0 | 7.0 | 0.8 | 0.1 | 7.8 | 3.4 | 0.2 | 0.0 | 3.5 | 39.0 | 10.0 | 3.6 | 45.4 | 7.8 | 0.2 | 4.9 | z | 0.7 | 18.7 |
| 1968 | 135.4 | 140.4 | 116.2 | 18.1 | 13.1 | 121.2 | 45.2 | 6.2 | 1.1 | 50.3 | 7.8 | 1.2 | 0.0 | 9.0 | 4.0 | 0.3 | 0.0 | 4.3 | 43.4 | 10.2 | 4.0 | 49.5 | 7.8 | 0.2 | 6.4 | z | 1.5 | 19.2 |
| 1969 | 138.3 | 143.8 | 119.1 | 19.4 | 13.9 | 124.6 | 44.2 | 6.5 | 1.1 | 49.5 | 7.3 | 1.4 | 0.1 | 8.6 | 4.6 | 0.3 | 0.0 | 4.9 | 45.6 | 11.1 | 4.5 | 52.2 | 9.1 | 0.2 | 5.9 | z | 2.2 | 19.3 |
| 1970 | 141.3 | 143.3 | 119.2 | 18.5 | 16.5 | 121.1 | 42.7 | 6.2 | 1.2 | 47.7 | 7.6 | 1.3 | 0.1 | 8.8 | 4.6 | 0.2 | 0.1 | 4.8 | 44.8 | 10.4 | 5.5 | 49.6 | 9.9 | 0.4 | 6.8 | z | 2.8 | 22.1 |
| 1971 | 144.8 | 151.0 | 123.2 | 20.3 | 14.1 | 129.4 | 45.5 | 7.6 | 1.2 | 51.9 | 8.7 | 1.7 | 0.1 | 10.3 | 5.9 | 0.3 | 0.1 | 6.1 | 46.1 | 10.4 | 4.8 | 51.7 | 9.2 | 0.2 | 5.7 | z | 2.3 | 21.6 |
| 1972 | 152.9 | 158.6 | 130.7 | 23.1 | 17.5 | 136.4 | 46.5 | 9.5 | 1.5 | 54.5 | 9.5 | 2.1 | 0.1 | 11.4 | 7.0 | 0.5 | 0.1 | 7.4 | 49.1 | 11.0 | 5.0 | 55.1 | 7.9 | 0.1 | 7.8 | z | 2.9 | 22.2 |
| 1973 | 156.4 | 160.3 | 135.4 | 23.7 | 19.7 | 139.3 | 47.7 | 9.7 | 2.1 | 55.3 | 9.4 | 1.7 | 0.2 | 10.8 | 7.6 | 0.5 | 0.1 | 7.9 | 50.9 | 11.9 | 5.0 | 57.8 | 7.5 | 0.0 | 8.3 | z | 4.0 | 21.0 |
| 1974 | 149.0 | 151.0 | 126.0 | 21.2 | 19.2 | 128.0 | 43.1 | 7.4 | 1.9 | 48.6 | 8.0 | 1.1 | 0.3 | 8.8 | 6.8 | 0.3 | 0.1 | 7.0 | 50.5 | 12.3 | 5.9 | 56.9 | 6.5 | 0.2 | 6.6 | z | 4.4 | 23.0 |
| 1975 | 136.4 | 135.5 | 114.4 | 16.6 | 17.5 | 113.5 | 40.1 | 6.0 | 1.7 | 44.4 | 7.9 | 1.3 | 0.5 | 8.7 | 6.0 | 0.1 | 0.1 | 6.0 | 44.2 | 9.0 | 5.0 | 48.3 | 5.9 | 0.2 | 6.6 | z | 3.7 | 22.0 |
| 1976 | 150.3 | 150.9 | 128.7 | 20.8 | 20.2 | 129.3 | 44.3 | 8.2 | 1.9 | 50.6 | 9.0 | 1.6 | 0.4 | 10.1 | 7.4 | 0.2 | 0.1 | 7.5 | 49.7 | 10.6 | 5.2 | 55.1 | 5.7 | 0.2 | 8.1 | z | 4.5 | 21.6 |
| 1977 | 159.6 | 163.9 | 134.6 | 23.9 | 19.6 | 138.9 | 47.3 | 10.7 | 1.7 | 56.3 | 9.5 | 1.5 | 0.2 | 10.8 | 8.4 | 0.3 | 0.1 | 8.6 | 51.2 | 11.1 | 5.2 | 57.1 | 5.9 | 0.4 | 7.6 | z | 4.8 | 25.0 |
| 1978 | 170.3 | 177.0 | 137.8 | 26.8 | 20.1 | 144.5 | 48.4 | 12.2 | 2.0 | 58.5 | 9.8 | 1.7 | 0.2 | 11.2 | 8.7 | 0.4 | 0.1 | 9.0 | 52.3 | 12.3 | 5.2 | 59.5 | 6.0 | 0.2 | 8.5 | z | 4.2 | 32.5 |
| 1979 | 179.5 | 182.5 | 140.4 | 26.4 | 23.4 | 143.5 | 48.4 | 11.5 | 2.4 | 57.5 | 9.6 | 1.4 | 0.2 | 10.7 | 8.2 | 0.4 | 0.1 | 8.5 | 53.3 | 12.8 | 5.8 | 60.3 | 6.2 | 0.3 | 9.7 | z | 5.2 | 39.0 |
| 1980 | 177.5 | 176.5 | 131.2 | 23.3 | 24.4 | 130.2 | 42.9 | 9.8 | 2.8 | 49.9 | 8.0 | 0.8 | 0.2 | 8.6 | 7.0 | 0.3 | 0.1 | 7.2 | 53.8 | 12.1 | 8.0 | 57.8 | 6.3 | 0.3 | 8.1 | z | 5.2 | 46.3 |
| 1981 | 173.1 | 175.1 | 123.8 | 22.9 | 20.9 | 125.8 | 38.3 | 9.5 | 2.7 | 45.1 | 8.2 | 1.0 | 0.4 | 8.8 | 6.7 | 0.3 | 0.1 | 6.9 | 53.8 | 11.9 | 7.3 | 58.3 | 6.5 | 0.3 | 6.3 | z | 4.1 | 49.3 |
| 1982 | 184.0 | 185.6 | 122.1 | 22.2 | 20.7 | 123.6 | 38.3 | 9.3 | 2.2 | 45.4 | 8.0 | 1.2 | 0.3 | 9.0 | 5.7 | 0.4 | 0.1 | 6.1 | 52.2 | 11.0 | 6.9 | 56.3 | 6.6 | 0.3 | 8.0 | z | 3.3 | 62.0 |
| 1983 | 195.5 | 200.9 | 136.1 | 27.4 | 22.0 | 141.4 | 45.7 | 12.1 | 2.6 | 55.2 | 9.7 | 1.8 | 0.3 | 11.2 | 7.4 | 0.6 | 0.1 | 7.9 | 54.9 | 12.5 | 7.4 | 60.0 | 6.8 | 0.4 | 8.7 | z | 2.9 | 59.5 |
| 1984 | 207.8 | 217.5 | 144.3 | 31.0 | 21.2 | 154.1 | 49.5 | 13.5 | 2.4 | 60.6 | 9.9 | 1.7 | 0.2 | 11.4 | 7.6 | 0.8 | 0.1 | 8.3 | 59.0 | 14.6 | 7.1 | 66.5 | 6.9 | 0.4 | 8.7 | z | 2.7 | 63.4 |
| 1985 | 201.2 | 212.4 | 140.8 | 32.9 | 21.8 | 151.9 | 48.8 | 14.9 | 2.2 | 61.5 | 9.9 | 2.0 | 0.2 | 11.8 | 7.7 | 0.8 | 0.1 | 8.4 | 55.1 | 14.9 | 7.1 | 62.9 | 7.1 | 0.2 | 9.5 | z | 2.7 | 60.5 |
| 1986 | 211.5 | 221.9 | 149.7 | 33.9 | 23.5 | 160.1 | 54.4 | 14.5 | 2.7 | 66.1 | 10.9 | 2.1 | 0.4 | 12.6 | 7.9 | 0.9 | 0.1 | 8.6 | 57.4 | 15.5 | 8.4 | 64.5 | 7.2 | 0.2 | 9.1 | 0.8 | 2.8 | 61.8 |
| 1987 | 209.9 | 219.6 | 158.7 | 36.1 | 26.4 | 168.3 | 58.8 | 15.2 | 3.6 | 70.3 | 11.3 | 2.6 | 0.5 | 13.4 | 8.1 | 0.9 | 0.2 | 8.8 | 59.8 | 16.7 | 9.0 | 67.5 | 7.5 | 0.2 | 10.2 | 0.6 | 2.9 | 51.3 |
| 1988 | 214.4 | 217.7 | 163.7 | 35.0 | 31.7 | 167.0 | 59.5 | 13.6 | 5.2 | 68.0 | 11.2 | 2.2 | 0.6 | 12.7 | 8.3 | 0.8 | 0.2 | 8.9 | 61.0 | 17.2 | 9.8 | 68.5 | 7.8 | 0.2 | 11.9 | 1.0 | 4.0 | 50.8 |
| 1989 | 215.0 | 216.8 | 165.2 | 34.8 | 33.1 | 166.9 | 59.5 | 15.1 | 4.7 | 69.8 | 10.6 | 1.3 | 0.9 | 11.0 | 8.4 | 0.5 | 0.3 | 8.6 | 61.6 | 17.0 | 10.5 | 68.1 | 8.4 | 0.1 | 11.7 | 0.8 | 5.0 | 49.9 |
| 1990 | 214.2 | 214.0 | 163.4 | 32.4 | 32.5 | 163.3 | 58.2 | 12.9 | 4.3 | 66.8 | 10.4 | 1.1 | 1.0 | 10.5 | 8.2 | 0.5 | 0.4 | 8.3 | 62.3 | 17.1 | 11.1 | 68.3 | 8.6 | 0.1 | 10.4 | 0.7 | 5.3 | 50.8 |
| 1991 | 220.9 | 216.5 | 157.3 | 29.7 | 34.1 | 152.9 | 53.4 | 11.6 | 4.6 | 60.5 | 9.3 | 1.0 | 0.9 | 9.4 | 8.1 | 0.4 | 0.4 | 8.1 | 62.5 | 16.1 | 12.8 | 65.8 | 8.4 | 0.0 | 9.3 | 0.7 | 6.1 | 63.6 |
| 1992 | 209.7 | 207.3 | 159.8 | 32.2 | 34.6 | 157.4 | 55.3 | 13.3 | 4.2 | 64.4 | 9.6 | 1.2 | 1.0 | 9.8 | 8.7 | 0.4 | 0.5 | 8.6 | 63.3 | 16.8 | 14.2 | 65.8 | 8.3 | 0.0 | 8.1 | 0.5 | 6.5 | 49.9 |
| 1993 | 201.1 | 205.4 | 158.3 | 36.3 | 32.0 | 162.6 | 55.1 | 15.2 | 4.0 | 66.3 | 9.7 | 1.2 | 0.9 | 9.9 | 9.1 | 0.5 | 0.5 | 9.1 | 63.5 | 18.4 | 13.3 | 68.5 | 7.9 | 0.2 | 7.1 | 0.8 | 6.0 | 42.8 |
| 1994 | 199.0 | 204.4 | 160.5 | 38.2 | 32.8 | 165.9 | 56.6 | 16.4 | 4.0 | 69.0 | 10.0 | 1.1 | 0.8 | 10.3 | 9.6 | 0.8 | 0.6 | 9.8 | 65.1 | 19.3 | 14.3 | 70.1 | 6.1 | 0.3 | 6.7 | 0.4 | 6.5 | 38.5 |
| 1995 | 196.5 | 202.1 | 158.9 | 40.6 | 35.0 | 164.5 | 55.1 | 17.3 | 3.6 | 68.8 | 9.9 | 1.3 | 0.9 | 10.3 | 8.9 | 0.8 | 0.7 | 9.0 | 65.1 | 20.2 | 15.9 | 69.5 | 5.9 | 0.2 | 7.0 | 0.8 | 7.0 | 37.6 |
| 1996 | 192.7 | 197.1 | 159.0 | 40.0 | 35.6 | 163.4 | 55.9 | 18.2 | 3.6 | 70.5 | 9.7 | 1.2 | 0.8 | 10.1 | 9.5 | 0.8 | 0.6 | 9.7 | 64.4 | 18.7 | 16.3 | 66.9 | 5.2 | 0.3 | 6.5 | 0.9 | 7.7 | 33.7 |
| 1997 | 191.3 | 197.5 | 161.6 | 42.6 | 36.4 | 167.7 | 57.6 | 18.3 | 3.7 | 72.3 | 9.2 | 1.4 | 1.0 | 9.6 | 9.6 | 0.9 | 0.6 | 9.8 | 66.4 | 20.9 | 17.4 | 69.9 | 5.0 | 0.3 | 5.9 | 0.8 | 7.8 | 29.8 |
| 1998 | 187.7 | 200.7 | 159.1 | 44.5 | 31.5 | 172.1 | 57.7 | 19.1 | 2.9 | 74.0 | 9.2 | 1.6 | 0.6 | 10.2 | 9.6 | 1.3 | 0.4 | 10.5 | 65.4 | 21.6 | 15.1 | 71.8 | 4.6 | 0.5 | 4.9 | 0.5 | 7.7 | 28.6 |
| 1999 | 188.7 | 204.6 | 160.3 | 47.5 | 31.7 | 176.1 | 60.0 | 19.8 | 3.3 | 76.5 | 9.3 | 1.8 | 0.6 | 10.5 | 9.9 | 1.5 | 0.4 | 11.0 | 63.9 | 23.3 | 14.8 | 72.5 | 4.5 | 0.7 | 5.1 | 0.3 | 7.6 | 28.4 |
| 2000 | 187.8 | 204.9 | 159.4 | 49.8 | 32.7 | 176.5 | 58.8 | 20.3 | 3.5 | 75.6 | 9.2 | 1.9 | 0.5 | 10.6 | 9.8 | 1.6 | 0.5 | 11.0 | 63.8 | 24.6 | 15.1 | 73.3 | 4.6 | 1.1 | 6.5 | 0.3 | 6.6 | 28.4 |
| 2001 | 176.8 | 197.5 | 148.4 | 49.9 | 29.1 | 169.2 | 56.1 | 20.6 | 3.0 | 73.7 | 8.1 | 2.0 | 0.4 | 9.7 | 8.7 | 2.1 | 0.4 | 10.3 | 59.6 | 23.8 | 14.2 | 69.2 | 4.9 | 1.1 | 6.2 | 0.2 | 4.9 | 28.4 |
| 2002 | 175.4 | 198.7 | 148.8 | 51.7 | 28.5 | 172.1 | 57.8 | 21.7 | 3.0 | 76.5 | 8.1 | 2.4 | 0.4 | 10.2 | 9.3 | 2.3 | 0.4 | 11.2 | 59.3 | 23.8 | 15.2 | 67.9 | 4.8 | 1.3 | 6.0 | 0.1 | 3.5 | 26.6 |

[a]Conversion factors taken from GTR-RM-199 (51).

[b]U.S. Department of Agriculture, Forest Service (21); Pine Chemicals Association (31); Data may not add to totals because of rounding; Data for wood pulp have been revised; Air-dry weight contains 15% moisture content.

[c]Includes hardwood & softwood pallets. Pallets equate 20% of lumber.

[d]Includes hardwood & softwood plywood and laminated veneer lumber. LVL begins in 1980.

[e]Includes hardboard, particleboard, insulating board, OSB, and MDF.

[f]Excludes wood pulp used in hardboard and insulating board. Includes wood pulp and other. Wood pulp/1000 added to other/100 (Table 42).

[g]Prior to 2000, pulpwood logs are not included in logs.

[h]Excludes veneer produced and consumed in industries other than the plywood industry.

[i]Doesn't include OSB until 1980.

[j]Doesn't include OSB.

[k]Doesn't include OSB, MDF, and paperboard until 1967.

[l]Includes both wood pulp and the wood pulp equivalent of paper and board except hardboard and insulating board.

[m]Includes pulpwood (except chips), wood pulp, and the wood pulp equivalent of paper and board except hardboard and insulating board.

[n]Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items.

[z]Not available.

**Table 8b—Production, imports, exports, and consumption of timber products (excludes additives and fillers) in tons, by major product, 1965–2002 (thousand metric tons,[a] air-dry weight of wood)[b]**

| | The weight of wood in products | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | All products | | Total | | | | Lumber[c] | | | | Plywood and veneer[d] | | | | Panel products[e] | | | | Wood pulp[f] | | | | Other industrial products, production and consumption[n] | Logs[g] | | Pulpwood chip | | Fuel-wood production and consumption |
| Year | Production | Consumption | Production | Imports | Exports | Consumption | Production | Imports | Exports | Consumption | Production | Imports | Exports | Consumption[h] | Production[i] | Imports[j] | Exports[k] | Consumption | Production | Imports[l] | Exports[m] | Consumption | | Imports | Exports | Imports | Exports | |
| 1965 | 111,188 | 119,465 | 94,712 | 14,613 | 6,336 | 102,989 | 42,142 | 4,836 | 859 | 46,120 | 6,198 | 626 | 18 | 6,806 | 2,663 | 224 | 22 | 2,865 | 33,203 | 8,773 | 2,660 | 39,316 | 7,729 | 153 | 2,687 | z | 91 | 16,476 |
| 1966 | 115,016 | 123,083 | 98,509 | 15,564 | 7,497 | 106,576 | 42,257 | 4,863 | 1,100 | 46,021 | 6,463 | 749 | 28 | 7,184 | 2,860 | 181 | 27 | 3,013 | 35,730 | 9,556 | 2,941 | 42,345 | 7,798 | 215 | 3,128 | z | 272 | 16,507 |
| 1967 | 114,715 | 120,073 | 97,795 | 14,913 | 9,555 | 103,153 | 40,898 | 4,761 | 1,188 | 44,471 | 6,340 | 743 | 47 | 7,036 | 3,044 | 180 | 26 | 3,199 | 35,335 | 9,056 | 3,225 | 41,166 | 7,108 | 173 | 4,435 | z | 635 | 16,920 |
| 1968 | 122,832 | 127,364 | 105,404 | 16,439 | 11,907 | 109,936 | 41,008 | 5,658 | 1,036 | 45,630 | 7,105 | 1,129 | 40 | 8,194 | 3,672 | 246 | 30 | 3,888 | 39,376 | 9,228 | 3,665 | 44,939 | 7,108 | 178 | 5,775 | z | 1,361 | 17,428 |
| 1969 | 125,455 | 130,455 | 107,995 | 17,633 | 12,633 | 112,996 | 40,124 | 5,852 | 1,036 | 44,940 | 6,619 | 1,263 | 108 | 7,775 | 4,202 | 275 | 42 | 4,435 | 41,385 | 10,059 | 4,063 | 47,381 | 8,281 | 184 | 5,389 | z | 1,995 | 17,460 |
| 1970 | 128,161 | 129,948 | 108,082 | 16,748 | 14,961 | 109,869 | 38,739 | 5,617 | 1,124 | 43,232 | 6,848 | 1,221 | 91 | 7,978 | 4,183 | 191 | 46 | 4,328 | 40,626 | 9,395 | 5,014 | 45,007 | 8,999 | 325 | 6,164 | z | 2,523 | 20,079 |
| 1971 | 131,357 | 136,915 | 111,786 | 18,372 | 12,814 | 117,344 | 41,244 | 6,934 | 1,100 | 47,078 | 7,861 | 1,516 | 58 | 9,320 | 5,331 | 258 | 55 | 5,534 | 41,829 | 9,475 | 4,390 | 46,915 | 8,309 | 189 | 5,147 | z | 2,064 | 19,571 |
| 1972 | 138,714 | 143,839 | 118,556 | 20,955 | 15,830 | 123,680 | 42,185 | 8,621 | 1,365 | 49,441 | 8,613 | 1,884 | 125 | 10,372 | 6,360 | 409 | 69 | 6,700 | 44,565 | 9,952 | 4,574 | 49,943 | 7,136 | 88 | 7,064 | z | 2,634 | 20,158 |
| 1973 | 141,844 | 145,413 | 122,765 | 21,482 | 17,913 | 126,334 | 43,225 | 8,804 | 1,895 | 50,135 | 8,490 | 1,510 | 226 | 9,774 | 6,888 | 412 | 92 | 7,208 | 46,129 | 10,755 | 4,499 | 52,385 | 6,832 | 0 | 7,570 | z | 3,631 | 19,079 |
| 1974 | 135,125 | 136,943 | 114,237 | 19,258 | 17,440 | 116,055 | 39,089 | 6,711 | 1,718 | 44,082 | 7,278 | 982 | 308 | 7,952 | 6,177 | 281 | 124 | 6,333 | 45,811 | 11,112 | 5,315 | 51,608 | 5,907 | 172 | 5,942 | z | 4,033 | 20,888 |
| 1975 | 123,706 | 122,908 | 103,723 | 15,091 | 15,889 | 102,925 | 36,377 | 5,440 | 1,542 | 40,276 | 7,168 | 1,146 | 431 | 7,884 | 5,442 | 107 | 102 | 5,447 | 40,110 | 8,198 | 4,503 | 43,805 | 5,314 | 199 | 5,997 | z | 3,315 | 19,983 |
| 1976 | 136,278 | 136,843 | 116,723 | 18,896 | 18,331 | 117,288 | 40,175 | 7,470 | 1,718 | 45,927 | 8,171 | 1,410 | 400 | 9,180 | 6,723 | 198 | 111 | 6,810 | 45,053 | 9,619 | 4,676 | 49,996 | 5,176 | 199 | 7,308 | z | 4,117 | 19,555 |
| 1977 | 144,783 | 148,678 | 122,115 | 21,702 | 17,807 | 126,010 | 42,898 | 9,684 | 1,542 | 51,041 | 8,611 | 1,352 | 183 | 9,780 | 7,596 | 292 | 104 | 7,784 | 46,422 | 10,026 | 4,704 | 51,744 | 5,314 | 347 | 6,903 | z | 4,371 | 22,668 |
| 1978 | 154,456 | 160,578 | 124,978 | 24,352 | 18,230 | 131,100 | 43,929 | 11,022 | 1,846 | 53,105 | 8,853 | 1,516 | 165 | 10,203 | 7,869 | 408 | 78 | 8,199 | 47,435 | 11,188 | 4,700 | 53,923 | 5,452 | 218 | 7,667 | z | 3,774 | 29,478 |
| 1979 | 162,773 | 165,522 | 127,383 | 23,954 | 21,205 | 130,132 | 43,906 | 10,426 | 2,200 | 52,133 | 8,706 | 1,247 | 216 | 9,737 | 7,393 | 390 | 73 | 7,710 | 48,331 | 11,592 | 5,260 | 54,663 | 5,590 | 299 | 8,763 | z | 4,693 | 35,390 |
| 1980 | 161,015 | 160,042 | 119,026 | 21,145 | 22,118 | 118,053 | 38,873 | 8,904 | 2,529 | 45,248 | 7,278 | 732 | 208 | 7,802 | 6,341 | 280 | 78 | 6,543 | 48,801 | 10,942 | 7,299 | 52,445 | 5,728 | 287 | 7,333 | z | 4,672 | 41,989 |
| 1981 | 157,004 | 158,828 | 112,289 | 20,784 | 18,960 | 114,113 | 34,744 | 8,599 | 2,440 | 40,903 | 7,419 | 898 | 367 | 7,950 | 6,073 | 297 | 126 | 6,244 | 48,788 | 10,763 | 6,628 | 52,923 | 5,866 | 227 | 5,699 | z | 3,699 | 44,715 |
| 1982 | 166,933 | 168,329 | 110,743 | 20,140 | 18,743 | 112,140 | 34,748 | 8,404 | 2,000 | 41,153 | 7,257 | 1,118 | 248 | 8,128 | 5,211 | 398 | 49 | 5,559 | 47,325 | 9,956 | 6,248 | 51,033 | 6,004 | 263 | 7,214 | z | 2,984 | 56,189 |
| 1983 | 177,339 | 182,218 | 123,415 | 24,866 | 19,986 | 128,295 | 41,467 | 10,992 | 2,381 | 50,078 | 8,806 | 1,635 | 308 | 10,133 | 6,677 | 576 | 61 | 7,192 | 49,826 | 11,292 | 6,739 | 54,379 | 6,142 | 371 | 7,875 | z | 2,623 | 53,924 |
| 1984 | 188,447 | 197,289 | 130,898 | 28,083 | 19,240 | 139,740 | 44,917 | 12,253 | 2,212 | 54,957 | 9,003 | 1,501 | 205 | 10,299 | 6,893 | 722 | 66 | 7,549 | 53,520 | 13,277 | 6,472 | 60,325 | 6,280 | 330 | 7,859 | z | 2,426 | 57,549 |
| 1985 | 182,531 | 192,606 | 127,701 | 29,810 | 19,735 | 137,776 | 44,266 | 13,480 | 1,955 | 55,791 | 9,018 | 1,849 | 184 | 10,683 | 6,952 | 734 | 108 | 7,578 | 49,986 | 13,524 | 6,426 | 57,083 | 6,418 | 223 | 8,642 | z | 2,418 | 54,830 |
| 1986 | 191,835 | 201,266 | 135,757 | 30,768 | 21,338 | 145,188 | 49,323 | 13,107 | 2,474 | 59,956 | 9,848 | 1,921 | 340 | 11,429 | 7,185 | 773 | 124 | 7,833 | 52,093 | 14,062 | 7,646 | 58,509 | 6,556 | 177 | 8,221 | 729 | 2,533 | 56,078 |
| 1987 | 190,402 | 199,165 | 143,909 | 32,723 | 23,960 | 152,672 | 53,315 | 13,748 | 3,307 | 63,755 | 10,239 | 2,330 | 428 | 12,141 | 7,362 | 784 | 165 | 7,982 | 54,264 | 15,151 | 8,163 | 61,252 | 6,832 | 186 | 9,241 | 524 | 2,657 | 46,492 |
| 1988 | 194,498 | 197,490 | 148,458 | 31,771 | 28,778 | 151,451 | 53,981 | 12,367 | 4,696 | 61,651 | 10,130 | 1,991 | 557 | 11,564 | 7,497 | 753 | 221 | 8,028 | 55,368 | 15,620 | 8,859 | 62,129 | 7,039 | 153 | 10,790 | 887 | 3,655 | 46,039 |
| 1989 | 195,038 | 196,633 | 149,801 | 31,606 | 30,011 | 151,397 | 53,943 | 13,703 | 4,300 | 63,346 | 9,623 | 1,177 | 783 | 10,018 | 7,618 | 474 | 294 | 7,798 | 55,828 | 15,447 | 9,504 | 61,771 | 7,660 | 88 | 10,583 | 716 | 4,546 | 45,237 |
| 1990 | 194,250 | 194,100 | 148,220 | 29,351 | 29,501 | 148,070 | 52,745 | 11,727 | 3,916 | 60,556 | 9,429 | 1,001 | 887 | 9,543 | 7,466 | 429 | 346 | 7,549 | 56,510 | 15,498 | 10,039 | 61,969 | 7,757 | 52 | 9,474 | 643 | 4,838 | 46,030 |
| 1991 | 200,346 | 196,371 | 142,633 | 26,924 | 30,898 | 138,659 | 48,475 | 10,493 | 4,134 | 54,833 | 8,472 | 866 | 790 | 8,548 | 7,391 | 340 | 369 | 7,362 | 56,670 | 14,587 | 11,585 | 59,673 | 7,605 | 31 | 8,458 | 607 | 5,562 | 57,712 |
| 1992 | 190,199 | 188,005 | 144,963 | 29,174 | 31,368 | 142,768 | 50,143 | 12,048 | 3,817 | 58,374 | 8,715 | 1,053 | 901 | 8,867 | 7,862 | 406 | 463 | 7,805 | 57,433 | 15,201 | 12,919 | 59,716 | 7,541 | 0 | 7,373 | 464 | 5,896 | 45,237 |
| 1993 | 182,407 | 186,294 | 143,615 | 32,915 | 29,028 | 147,502 | 49,955 | 13,805 | 3,667 | 60,093 | 8,754 | 1,060 | 855 | 8,959 | 8,268 | 465 | 469 | 8,264 | 57,558 | 16,692 | 12,094 | 62,156 | 7,137 | 211 | 6,468 | 682 | 5,475 | 38,792 |
| 1994 | 180,521 | 185,422 | 145,585 | 34,690 | 29,789 | 150,486 | 51,292 | 14,895 | 3,594 | 62,592 | 9,037 | 1,004 | 743 | 9,298 | 8,706 | 690 | 545 | 8,852 | 59,047 | 17,506 | 12,937 | 63,616 | 5,535 | 248 | 6,035 | 346 | 5,935 | 34,935 |
| 1995 | 178,214 | 183,332 | 144,088 | 36,848 | 31,730 | 149,206 | 49,973 | 15,736 | 3,265 | 62,445 | 8,946 | 1,157 | 774 | 9,329 | 8,074 | 719 | 615 | 8,178 | 59,082 | 18,328 | 14,405 | 63,005 | 5,341 | 181 | 6,342 | 727 | 6,330 | 34,126 |
| 1996 | 174,750 | 178,774 | 144,211 | 36,304 | 32,280 | 148,235 | 50,679 | 16,494 | 3,241 | 63,932 | 8,840 | 1,052 | 765 | 9,126 | 8,621 | 723 | 588 | 8,755 | 58,439 | 16,974 | 14,773 | 60,641 | 4,720 | 259 | 5,927 | 802 | 6,986 | 30,539 |
| 1997 | 173,543 | 179,128 | 146,560 | 38,603 | 33,018 | 152,145 | 52,269 | 16,589 | 3,320 | 65,538 | 8,383 | 1,247 | 915 | 8,714 | 8,670 | 804 | 540 | 8,934 | 60,184 | 18,966 | 15,743 | 63,407 | 4,555 | 287 | 5,393 | 710 | 7,107 | 26,983 |
| 1998 | 170,222 | 181,996 | 144,318 | 40,386 | 28,612 | 156,092 | 52,368 | 17,344 | 2,613 | 67,098 | 8,352 | 1,429 | 499 | 9,282 | 8,711 | 1,186 | 392 | 9,504 | 59,291 | 19,551 | 13,721 | 65,121 | 4,210 | 417 | 4,448 | 460 | 6,939 | 25,904 |
| 1999 | 171,167 | 185,536 | 145,374 | 43,119 | 28,750 | 159,743 | 54,465 | 17,973 | 3,008 | 69,429 | 8,396 | 1,653 | 506 | 9,543 | 9,008 | 1,378 | 408 | 9,978 | 57,951 | 21,167 | 13,387 | 65,731 | 4,113 | 662 | 4,583 | 286 | 6,857 | 25,793 |
| 2000 | 170,324 | 185,801 | 144,579 | 45,173 | 29,696 | 160,056 | 53,350 | 18,392 | 3,218 | 68,525 | 8,385 | 1,688 | 470 | 9,602 | 8,929 | 1,487 | 424 | 9,992 | 57,894 | 22,297 | 13,705 | 66,486 | 4,141 | 1,011 | 5,933 | 298 | 5,947 | 25,745 |
| 2001 | 160,371 | 179,151 | 134,642 | 45,217 | 26,437 | 153,422 | 50,846 | 18,718 | 2,717 | 66,847 | 7,330 | 1,851 | 350 | 8,830 | 7,866 | 1,875 | 378 | 9,363 | 54,100 | 21,584 | 12,902 | 62,782 | 4,410 | 1,032 | 5,665 | 157 | 4,424 | 25,729 |
| 2002 | 159,126 | 180,208 | 135,000 | 46,905 | 25,823 | 156,082 | 52,415 | 19,664 | 2,712 | 69,368 | 7,358 | 2,202 | 324 | 9,236 | 8,407 | 2,100 | 343 | 10,164 | 53,807 | 21,599 | 13,813 | 61,593 | 4,381 | 1,207 | 5,461 | 132 | 3,171 | 24,126 |

[a]Conversion factors taken from GTR-RM-199 (51).

[b]U.S. Department of Agriculture, Forest Service (21); Pine Chemicals Association (31); Data may not add to totals because of rounding; Data for wood pulp have been revised; Air-dry weight contains 15% moisture content.

[c]Includes hardwood & softwood pallets. Pallets equate 20% of lumber.

[d]Includes hardwood & softwood plywood and laminated veneer lumber. LVL begins in 1980.

[e]Includes hardboard, particleboard, insulating board, OSB, and MDF.

[f]Excludes wood pulp used in hardboard and insulating board. Includes wood pulp and other. Wood pulp/1000 added to other/100 (Table 42).

[g]Prior to 2000, pulpwood logs are not included in logs.

[h]Excludes veneer produced and consumed in industries other than the plywood industry.

[i]Doesn't include OSB until 1980.

[j]Doesn't include OSB.

[k]Doesn't include OSB, MDF, and paperboard until 1967.

[l]Includes both wood pulp and the wood pulp equivalent of paper and board except hardboard and insulating board.

[m]Includes pulpwood (except chips), wood pulp, and the wood pulp equivalent of paper and board except hardboard and insulating board.

[n]Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items.

[z]Not available.

**Table 9—U.S. annual industrial wood product production in thousands of short tons, product weight (includes additives and fillers) , 1965–2002[a]**

| Year | Total | Softwood plywood[b] | Oriented strand-board[b] | Laminated veneer lumber[b] | Hardwood plywood and veneer[c] | Softwood lumber[d] | Hardwood lumber[d] | Lumber made at pallet plants[e] | Particle-board pro-duction[f] | Hard-board pro-duction[g] | Medium-density fiberboard production[f] | Pulp paper and board[h] | Other industrial products, production and con-sumption[i] | Insulating board[j] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1965 | 108,868 | 6,807 | z | z | 1,345 | 28,599 | 15,929 | 171 | 1,059 | 913 | 105 | 43,465 | 9,240 | 1,234 |
| 1966 | 113,194 | 7,140 | z | z | 1,362 | 28,162 | 16,488 | 203 | 1,333 | 964 | 117 | 46,971 | 9,323 | 1,131 |
| 1967 | 110,997 | 7,086 | z | z | 1,257 | 27,503 | 15,712 | 204 | 1,510 | 949 | 130 | 46,969 | 8,498 | 1,178 |
| 1968 | 116,505 | 8,036 | z | z | 1,318 | 28,589 | 14,740 | 225 | 1,956 | 1,160 | 145 | 50,561 | 8,498 | 1,276 |
| 1969 | 119,987 | 7,489 | z | z | 1,227 | 27,669 | 14,727 | 262 | 2,365 | 1,327 | 161 | 53,530 | 9,900 | 1,330 |
| 1970 | 119,523 | 7,842 | z | z | 1,179 | 26,876 | 14,057 | 247 | 2,434 | 1,370 | 179 | 53,408 | 10,758 | 1,173 |
| 1971 | 124,453 | 9,097 | z | z | 1,263 | 29,326 | 14,254 | 270 | 3,317 | 1,633 | 198 | 53,753 | 9,933 | 1,410 |
| 1972 | 130,569 | 10,021 | z | z | 1,332 | 30,239 | 14,334 | 303 | 4,330 | 1,812 | 220 | 58,009 | 8,531 | 1,439 |
| 1973 | 134,386 | 10,011 | z | z | 1,186 | 30,836 | 14,837 | 363 | 4,866 | 1,891 | 245 | 60,548 | 8,168 | 1,437 |
| 1974 | 126,340 | 8,683 | z | z | 919 | 27,046 | 14,257 | 402 | 4,324 | 1,767 | 272 | 60,403 | 7,062 | 1,205 |
| 1975 | 113,646 | 8,777 | z | z | 690 | 26,112 | 12,325 | 312 | 3,520 | 1,775 | 302 | 52,393 | 6,353 | 1,087 |
| 1976 | 128,233 | 10,084 | z | z | 711 | 29,873 | 13,462 | 383 | 4,485 | 2,120 | 394 | 59,283 | 6,188 | 1,251 |
| 1977 | 134,926 | 10,596 | z | z | 779 | 31,923 | 14,343 | 462 | 5,019 | 2,411 | 620 | 61,149 | 6,353 | 1,271 |
| 1978 | 139,305 | 10,918 | z | z | 778 | 32,704 | 15,120 | 529 | 5,231 | 2,445 | 714 | 63,085 | 6,518 | 1,262 |
| 1979 | 141,932 | 10,748 | z | z | 755 | 32,509 | 15,706 | 580 | 4,748 | 2,402 | 713 | 65,873 | 6,683 | 1,215 |
| 1980 | 134,084 | 8,932 | 84 | 53 | 681 | 27,530 | 15,452 | 505 | 4,148 | 1,919 | 693 | 66,217 | 6,848 | 1,021 |
| 1981 | 129,344 | 9,161 | 169 | 70 | 641 | 24,797 | 12,622 | 494 | 4,035 | 1,908 | 726 | 66,931 | 7,013 | 780 |
| 1982 | 124,212 | 8,666 | 348 | 70 | 909 | 23,222 | 13,494 | 447 | 3,365 | 1,746 | 627 | 63,483 | 7,178 | 657 |
| 1983 | 141,762 | 10,653 | 838 | 88 | 971 | 29,020 | 14,794 | 505 | 4,231 | 2,282 | 849 | 69,352 | 7,343 | 836 |
| 1984 | 150,006 | 10,897 | 1,276 | 88 | 988 | 30,434 | 17,027 | 591 | 4,494 | 2,137 | 892 | 72,742 | 7,508 | 934 |
| 1985 | 148,775 | 11,030 | 1,668 | 123 | 881 | 30,577 | 16,196 | 650 | 4,684 | 1,969 | 963 | 71,459 | 7,673 | 904 |
| 1986 | 160,772 | 12,096 | 2,196 | 140 | 912 | 34,435 | 17,680 | 721 | 5,067 | 1,819 | 1,098 | 75,964 | 7,838 | 806 |
| 1987 | 170,449 | 12,523 | 2,548 | 158 | 1,000 | 37,415 | 19,006 | 797 | 5,212 | 1,705 | 1,264 | 79,830 | 8,168 | 823 |
| 1988 | 174,787 | 12,359 | 2,878 | 193 | 1,019 | 37,224 | 19,813 | 876 | 5,385 | 1,599 | 1,320 | 82,847 | 8,415 | 859 |
| 1989 | 175,777 | 11,695 | 3,191 | 210 | 1,011 | 36,653 | 20,345 | 943 | 5,425 | 1,624 | 1,364 | 83,257 | 9,158 | 901 |
| 1990 | 176,550 | 11,440 | 3,386 | 280 | 1,009 | 34,941 | 20,792 | 996 | 5,352 | 1,570 | 1,336 | 85,307 | 9,273 | 868 |
| 1991 | 171,867 | 10,200 | 3,508 | 280 | 982 | 32,373 | 18,847 | 1,005 | 5,304 | 1,530 | 1,347 | 86,546 | 9,092 | 853 |
| 1992 | 179,502 | 10,572 | 4,158 | 298 | 934 | 33,706 | 19,276 | 1,046 | 5,597 | 1,648 | 1,499 | 90,885 | 9,016 | 868 |
| 1993 | 180,831 | 10,563 | 4,376 | 368 | 992 | 32,165 | 20,620 | 960 | 5,964 | 1,640 | 1,633 | 92,154 | 8,532 | 866 |
| 1994 | 185,905 | 10,740 | 4,679 | 403 | 1,182 | 33,297 | 20,900 | 863 | 6,387 | 1,627 | 1,759 | 96,595 | 6,617 | 857 |
| 1995 | 185,630 | 10,591 | 4,939 | 490 | 1,209 | 31,467 | 21,337 | 768 | 5,906 | 1,541 | 1,557 | 98,582 | 6,386 | 857 |
| 1996 | 186,758 | 10,490 | 5,821 | 560 | 1,171 | 32,476 | 21,074 | 660 | 6,270 | 1,650 | 1,752 | 98,334 | 5,643 | 857 |
| 1997 | 193,114 | 9,824 | 6,584 | 665 | 1,229 | 33,844 | 21,386 | 733 | 6,372 | 1,407 | 1,948 | 102,822 | 5,445 | 857 |
| 1998 | 191,746 | 9,721 | 7,017 | 718 | 1,288 | 33,853 | 21,480 | 744 | 6,459 | 1,344 | 1,970 | 101,262 | 5,033 | 857 |
| 1999 | 196,307 | 9,743 | 7,258 | 838 | 1,323 | 35,736 | 21,814 | 735 | 6,773 | 1,371 | 1,987 | 102,955 | 4,917 | 857 |
| 2000 | 193,162 | 9,557 | 7,441 | 833 | 1,487 | 35,113 | 21,259 | 735 | 6,756 | 1,182 | 2,093 | 100,900 | 4,950 | 857 |
| 2001 | 182,832 | 8,269 | 7,833 | 935 | 1,381 | 33,756 | 19,970 | 735 | 5,760 | 1,038 | 1,946 | 95,080 | 5,273 | 857 |
| 2002 | 186,558 | 8,313 | 8,391 | 977 | 1,376 | 35,555 | 19,828 | 735 | 6,207 | 912 | 2,280 | 95,890 | 5,238 | 857 |

[a]Sources are for recent production data (some earlier data are Forest Service estimates or from Dept. of Commerce).

[b]APA—The Engineered Wood Association (10).

[c]Dept. of Commerce (to 1988); 1989-1990 data from Hardwood Plywood & Veneer Association; later estimates based on trends in value of shipments (Dept. of Commerce); hardwood veneer based on Census of Manufactures data and trend in value of shipments.

[d]1965-1976 based on Commerce Department data and Forest Service estimates; 1976-1998 American Forest & Paper Association (AF&PA) Statistical Roundup (4) (1996 hardwood estimated by Forest Service; 1997-1998 hardwood estimate from Miller Freeman).
[Note that Commerce Dept. reported hardwood lumber production is understood to underestimate actual production as reflected in Forest Service estimates since 1900.]

[e]Forest Service estimate of lumber cut from roundwood at pallet plants.
Other lumber (e.g., purchased lumber) used by pallet makers is accounted for under hardwood and softwood lumber production.

[f]Composite Panel Association (based on production data 1959-1977, and 1995-1997; otherwise based on shipments; 1998 data are estimated) (16).

[g]Shipments data from American Hardboard Association (1965-1997) and as reported by Miller Freeman (1999); 1998 figure is estimated (8).

[h]AF&PA, formerly API (Statistics of Paper, Paperboard & Woodpulp) (5). Paper and paperboard production includes "Total Paper", "Total Paperboard", and "Building Paper" production. Total production of pulp, paper and paperboard includes market pulp produced for export.

[i]Data through 1988 was obtained from USDA Forest Service (48). Miscellaneous wood product production for 1996 based on timber product output tables in (draft) 1997 RPA Inventory Data Tables; intervening and subsequent data are extrapolated.

[j]Derived using earlier data from Commerce Department MA26A reports (in square feet of product output) to convert tonnage reported in AF&PA and earlier API reports.

[z]Not available.

**Table 10—Industrial wood productivity, 1965-2002**[a]

| | Industrial wood productivity (industrial wood product output per unit of roundwood input) | | Total industrial wood product production (from table 9) | Roundwood equivalents of production | | | | | Recovered paper utilization rate | U.S. population | Per capita industrial wood product production |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Hardwoods[b] | Softwoods[c] | Totals | | | | | |
| Year | *Lbs/ft³* | *Tons/ton* | *Thousand tons* | *Million ft³* | *Million ft³* | *Million ft³* | *Thousand short tons*[d] | *Thousand metric tons* | (%) | *Millions* | *Lb/capita* |
| 1965 | 19.28 | 0.6929 | 108,261 | 2,912 | 8,319 | 11,230 | 156,247 | 141,744 | 23.5% | 194.3 | 1,114 |
| 1966 | 19.52 | 0.7007 | 112,432 | 3,045 | 8,476 | 11,520 | 160,461 | 145,567 | 22.6% | 196.6 | 1,144 |
| 1967 | 19.44 | 0.6991 | 110,134 | 2,900 | 8,432 | 11,332 | 157,547 | 142,924 | 21.2% | 198.7 | 1,109 |
| 1968 | 19.54 | 0.7052 | 115,421 | 2,842 | 8,972 | 11,814 | 163,678 | 148,485 | 20.4% | 200.7 | 1,150 |
| 1969 | 19.85 | 0.7149 | 118,703 | 2,979 | 8,983 | 11,963 | 166,052 | 150,639 | 22.1% | 202.7 | 1,171 |
| 1970 | 17.79 | 0.6420 | 118,211 | 3,211 | 10,075 | 13,287 | 184,128 | 167,038 | 22.8% | 205.1 | 1,153 |
| 1971 | 19.94 | 0.7206 | 122,665 | 2,895 | 9,405 | 12,300 | 170,218 | 154,419 | 22.8% | 207.7 | 1,181 |
| 1972 | 20.40 | 0.7376 | 128,216 | 2,935 | 9,632 | 12,567 | 173,840 | 157,704 | 22.5% | 209.9 | 1,222 |
| 1973 | 20.59 | 0.7433 | 131,730 | 3,064 | 9,731 | 12,795 | 177,225 | 160,775 | 23.5% | 211.9 | 1,243 |
| 1974 | 20.08 | 0.7235 | 123,996 | 3,051 | 9,301 | 12,352 | 171,383 | 155,475 | 23.7% | 213.9 | 1,159 |
| 1975 | 19.76 | 0.7165 | 111,787 | 2,473 | 8,844 | 11,317 | 156,016 | 141,534 | 23.0% | 216.0 | 1,035 |
| 1976 | 20.80 | 0.7533 | 125,859 | 2,722 | 9,381 | 12,102 | 167,078 | 151,570 | 23.4% | 218.0 | 1,155 |
| 1977 | 21.12 | 0.7647 | 132,289 | 2,821 | 9,709 | 12,529 | 172,986 | 156,929 | 23.4% | 220.2 | 1,202 |
| 1978 | 21.12 | 0.7633 | 136,542 | 3,030 | 9,900 | 12,930 | 178,891 | 162,286 | 23.8% | 222.6 | 1,227 |
| 1979 | 21.09 | 0.7620 | 139,443 | 3,125 | 10,096 | 13,221 | 182,998 | 166,012 | 23.9% | 225.1 | 1,239 |
| 1980 | 21.85 | 0.7857 | 131,899 | 3,093 | 8,981 | 12,074 | 167,867 | 152,286 | 23.5% | 227.7 | 1,159 |
| 1981 | 22.22 | 0.8002 | 127,276 | 2,856 | 8,601 | 11,458 | 159,052 | 144,289 | 23.4% | 230.0 | 1,107 |
| 1982 | 21.66 | 0.7782 | 122,574 | 2,940 | 8,380 | 11,320 | 157,505 | 142,886 | 23.7% | 232.2 | 1,056 |
| 1983 | 21.72 | 0.7803 | 139,888 | 3,364 | 9,515 | 12,879 | 179,269 | 162,629 | 23.4% | 234.3 | 1,194 |
| 1984 | 22.16 | 0.7938 | 148,099 | 3,652 | 9,716 | 13,368 | 186,568 | 169,251 | 23.8% | 236.3 | 1,253 |
| 1985 | 21.92 | 0.7852 | 146,873 | 3,671 | 9,729 | 13,400 | 187,048 | 169,686 | 23.8% | 238.5 | 1,232 |
| 1986 | 21.69 | 0.7764 | 158,793 | 4,053 | 10,591 | 14,644 | 204,535 | 185,550 | 24.7% | 240.7 | 1,319 |
| 1987 | 21.90 | 0.7853 | 168,479 | 4,149 | 11,235 | 15,385 | 214,546 | 194,632 | 24.6% | 242.8 | 1,388 |
| 1988 | 22.13 | 0.7921 | 172,817 | 4,330 | 11,288 | 15,618 | 218,165 | 197,915 | 25.1% | 245.0 | 1,411 |
| 1989 | 22.12 | 0.7897 | 173,912 | 4,553 | 11,169 | 15,722 | 220,233 | 199,791 | 25.7% | 247.3 | 1,406 |
| 1990 | 22.44 | 0.7897 | 174,796 | 4,609 | 10,968 | 15,577 | 218,500 | 198,219 | 27.0% | 249.9 | 1,399 |
| 1991 | 22.41 | 0.7989 | 170,201 | 4,493 | 10,694 | 15,187 | 213,032 | 193,259 | 29.1% | 252.7 | 1,347 |
| 1992 | 23.39 | 0.8311 | 177,932 | 4,717 | 10,498 | 15,215 | 214,088 | 194,217 | 30.9% | 255.4 | 1,393 |
| 1993 | 24.02 | 0.8498 | 179,125 | 4,921 | 9,992 | 14,914 | 210,784 | 191,219 | 32.3% | 258.1 | 1,388 |
| 1994 | 24.28 | 0.8594 | 184,058 | 4,956 | 10,209 | 15,164 | 214,175 | 194,295 | 33.7% | 260.7 | 1,412 |
| 1995 | 23.83 | 0.8409 | 184,152 | 5,288 | 10,166 | 15,454 | 219,002 | 198,674 | 34.4% | 263.0 | 1,400 |
| 1996 | 24.17 | 0.8536 | 185,428 | 5,186 | 10,158 | 15,344 | 217,241 | 197,077 | 36.9% | 265.5 | 1,397 |
| 1997 | 24.51 | 0.8653 | 191,964 | 5,322 | 10,340 | 15,662 | 221,839 | 201,248 | 36.4% | 267.9 | 1,433 |
| 1998 | 24.31 | 0.8591 | 190,698 | 5,259 | 10,428 | 15,687 | 221,969 | 201,366 | 37.1% | 270.3 | 1,411 |
| 1999 | 25.18 | 0.8858 | 197,420 | 5,255 | 10,429 | 15,683 | 221,908 | 201,310 | 37.1% | 273.2 | 1,445 |
| 2000 | 24.85 | 0.8785 | 194,210 | 5,200 | 10,430 | 15,630 | 221,046 | 200,528 | 39.1% | 282.1 | 1,377 |
| 2001 | 24.80 | 0.8782 | 184,844 | 4,855 | 10,051 | 14,906 | 210,474 | 190,938 | 39.1% | 284.8 | 1,298 |
| 2002 | 25.18 | 0.8983 | 188,404 | 4,762 | 10,200 | 14,963 | 210,927 | 191,349 | 40.0% | 287.5 | 1,311 |

[a]U.S. Department of Agriculture, Forest Products Laboratory (20).
[b]The average specific gravity for hardwood is 0.52.
[c]The average specific gravity for softwood is 0.42.
[d]The weight density of a cubic foot of water in pounds is 62.4. Example: ((0.52*62.4/2000)+(0.42*62.4/2000))*1000.

**Table 11a—Per capita consumption of timber products, by major product, 1965–2002[a]**

| Year | All products | Total roundwood | Industrial roundwood used for: Lumber | | Plywood and veneer | | Pulp products | | Other industrial products[b] | Fuelwood | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Cubic feet* | *Cubic feet* | *Cubic feet* | *Board feet (lumber tally)* | *Cubic feet* | *Board feet (local log rule)* | *Cubic feet* | *Cords* | *Cubic feet* | *Cubic feet* | *Cords* |
| 1965 | 68.5 | 63.2 | 35.6 | 194 | 5.9 | 27 | 18.9 | 0.2 | 2.9 | 5.3 | 0.067 |
| 1966 | 69.1 | 63.8 | 34.9 | 190 | 6.1 | 28 | 19.9 | 0.2 | 2.9 | 5.3 | 0.066 |
| 1967 | 66.6 | 61.2 | 33.5 | 182 | 5.9 | 27 | 19.2 | 0.2 | 2.6 | 5.4 | 0.067 |
| 1968 | 68.9 | 63.5 | 34.4 | 187 | 6.8 | 31 | 19.8 | 0.2 | 2.6 | 5.5 | 0.068 |
| 1969 | 69.5 | 64.1 | 33.5 | 182 | 6.3 | 29 | 21.4 | 0.3 | 3.0 | 5.4 | 0.068 |
| 1970 | 75.4 | 69.2 | 36.0 | 196 | 6.4 | 30 | 23.6 | 0.3 | 3.2 | 6.2 | 0.077 |
| 1971 | 70.9 | 65.0 | 34.7 | 189 | 7.4 | 34 | 20.0 | 0.3 | 2.9 | 5.9 | 0.074 |
| 1972 | 72.2 | 66.2 | 36.2 | 197 | 8.1 | 37 | 19.4 | 0.2 | 2.5 | 6.1 | 0.076 |
| 1973 | 71.7 | 66.1 | 36.2 | 197 | 7.7 | 35 | 19.8 | 0.2 | 2.3 | 5.7 | 0.071 |
| 1974 | 68.5 | 62.3 | 32.9 | 179 | 6.3 | 29 | 21.2 | 0.3 | 2.0 | 6.2 | 0.077 |
| 1975 | 61.2 | 55.4 | 30.7 | 167 | 6.2 | 29 | 16.7 | 0.2 | 1.8 | 5.8 | 0.073 |
| 1976 | 65.4 | 59.7 | 32.2 | 175 | 7.2 | 33 | 18.6 | 0.2 | 1.7 | 5.7 | 0.071 |
| 1977 | 69.7 | 63.3 | 35.8 | 195 | 7.6 | 35 | 18.1 | 0.2 | 1.7 | 6.5 | 0.081 |
| 1978 | 73.8 | 65.5 | 36.9 | 201 | 7.8 | 36 | 19.1 | 0.2 | 1.8 | 8.3 | 0.104 |
| 1979 | 74.7 | 64.8 | 35.4 | 192 | 7.3 | 34 | 20.3 | 0.3 | 1.8 | 9.9 | 0.124 |
| 1980 | 68.6 | 57.0 | 29.6 | 161 | 5.8 | 27 | 19.8 | 0.2 | 1.8 | 11.6 | 0.145 |
| 1981 | 66.5 | 54.3 | 27.2 | 148 | 5.7 | 26 | 19.5 | 0.2 | 1.8 | 12.2 | 0.153 |
| 1982 | 68.3 | 53.0 | 27.0 | 147 | 5.6 | 26 | 18.5 | 0.2 | 1.9 | 15.2 | 0.191 |
| 1983 | 75.5 | 61.0 | 32.6 | 177 | 6.9 | 32 | 19.6 | 0.2 | 1.9 | 14.5 | 0.181 |
| 1984 | 79.4 | 64.1 | 34.8 | 189 | 6.9 | 32 | 20.5 | 0.3 | 1.9 | 15.3 | 0.192 |
| 1985 | 79.1 | 64.6 | 35.1 | 191 | 6.9 | 32 | 20.7 | 0.3 | 1.9 | 14.5 | 0.181 |
| 1986 | 83.1 | 68.4 | 37.0 | 201 | 7.3 | 34 | 22.2 | 0.3 | 2.0 | 14.7 | 0.183 |
| 1987 | 82.7 | 70.6 | 38.6 | 210 | 7.5 | 35 | 22.5 | 0.3 | 2.0 | 12.1 | 0.151 |
| 1988 | 80.3 | 68.5 | 36.8 | 200 | 7.1 | 33 | 22.6 | 0.3 | 2.1 | 11.8 | 0.148 |
| 1989 | 79.1 | 67.5 | 36.8 | 200 | 5.9 | 27 | 22.5 | 0.3 | 2.2 | 11.5 | 0.144 |
| 1990 | 76.9 | 65.3 | 34.5 | 188 | 5.6 | 26 | 22.8 | 0.3 | 2.2 | 11.6 | 0.145 |
| 1991 | 76.2 | 61.8 | 32.5 | 177 | 5.0 | 23 | 22.2 | 0.3 | 2.2 | 14.4 | 0.180 |
| 1992 | 73.5 | 62.3 | 32.8 | 178 | 5.0 | 23 | 22.3 | 0.3 | 2.1 | 11.2 | 0.139 |
| 1993 | 72.1 | 62.7 | 33.3 | 181 | 5.0 | 23 | 22.3 | 0.3 | 2.0 | 9.5 | 0.118 |
| 1994 | 72.2 | 63.8 | 34.4 | 187 | 5.1 | 23 | 22.7 | 0.3 | 1.5 | 8.4 | 0.106 |
| 1995 | 73.1 | 64.9 | 34.0 | 185 | 5.0 | 23 | 24.4 | 0.3 | 1.5 | 8.2 | 0.102 |
| 1996 | 71.2 | 64.0 | 34.6 | 188 | 4.9 | 22 | 23.2 | 0.3 | 1.3 | 7.2 | 0.091 |
| 1997 | 71.3 | 65.0 | 35.2 | 191 | 4.6 | 21 | 24.0 | 0.3 | 1.2 | 6.3 | 0.079 |
| 1998 | 72.6 | 66.5 | 35.7 | 194 | 4.7 | 22 | 25.0 | 0.3 | 1.1 | 6.0 | 0.075 |
| 1999 | 72.3 | 66.4 | 36.6 | 199 | 4.8 | 22 | 23.9 | 0.3 | 1.1 | 5.9 | 0.074 |
| 2000 | 70.1 | 64.3 | 35.1 | 191 | 4.6 | 21 | 23.6 | 0.3 | 1.1 | 5.7 | 0.072 |
| 2001 | 68.0 | 62.3 | 34.1 | 185 | 4.3 | 20 | 22.8 | 0.3 | 1.1 | 5.7 | 0.071 |
| 2002 | 67.3 | 62.0 | 35.1 | 191 | 4.3 | 20 | 21.5 | 0.3 | 1.1 | 5.3 | 0.066 |

[a]U.S. Department of Agriculture, Forest Service (21,32); U.S. Council of Economic Advisors (40); Data may not add to totals because of rounding.

[b]Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items.

**Table 11b—Per capita consumption of timber products, by major product, 1965–2002 (cubic meters)[a]**

| Year | All products | Industrial roundwood used for: Total roundwood | Lumber | Plywood and veneer | Pulp products | Other industrial products[b] | Fuelwood |
|---|---|---|---|---|---|---|---|
| 1965 | 1.940 | 1.789 | 1.008 | 0.166 | 0.534 | 0.082 | 0.151 |
| 1966 | 1.956 | 1.807 | 0.989 | 0.172 | 0.564 | 0.081 | 0.150 |
| 1967 | 1.886 | 1.734 | 0.948 | 0.167 | 0.545 | 0.073 | 0.152 |
| 1968 | 1.952 | 1.798 | 0.974 | 0.191 | 0.559 | 0.073 | 0.155 |
| 1969 | 1.969 | 1.815 | 0.948 | 0.178 | 0.605 | 0.084 | 0.154 |
| 1970 | 2.135 | 1.960 | 1.019 | 0.182 | 0.669 | 0.090 | 0.175 |
| 1971 | 2.008 | 1.840 | 0.981 | 0.209 | 0.567 | 0.082 | 0.168 |
| 1972 | 2.045 | 1.873 | 1.025 | 0.229 | 0.549 | 0.070 | 0.171 |
| 1973 | 2.032 | 1.871 | 1.026 | 0.218 | 0.561 | 0.066 | 0.161 |
| 1974 | 1.939 | 1.765 | 0.930 | 0.179 | 0.600 | 0.057 | 0.174 |
| 1975 | 1.733 | 1.568 | 0.870 | 0.175 | 0.472 | 0.050 | 0.165 |
| 1976 | 1.851 | 1.691 | 0.913 | 0.203 | 0.526 | 0.049 | 0.160 |
| 1977 | 1.975 | 1.791 | 1.014 | 0.215 | 0.512 | 0.050 | 0.184 |
| 1978 | 2.090 | 1.854 | 1.044 | 0.220 | 0.540 | 0.050 | 0.236 |
| 1979 | 2.114 | 1.834 | 1.001 | 0.207 | 0.575 | 0.051 | 0.280 |
| 1980 | 1.943 | 1.614 | 0.838 | 0.164 | 0.560 | 0.052 | 0.329 |
| 1981 | 1.883 | 1.537 | 0.770 | 0.163 | 0.551 | 0.052 | 0.347 |
| 1982 | 1.933 | 1.501 | 0.766 | 0.159 | 0.523 | 0.053 | 0.432 |
| 1983 | 2.138 | 1.727 | 0.923 | 0.196 | 0.555 | 0.054 | 0.411 |
| 1984 | 2.249 | 1.814 | 0.985 | 0.195 | 0.580 | 0.055 | 0.434 |
| 1985 | 2.240 | 1.830 | 0.993 | 0.196 | 0.585 | 0.055 | 0.410 |
| 1986 | 2.353 | 1.938 | 1.048 | 0.206 | 0.628 | 0.056 | 0.416 |
| 1987 | 2.341 | 2.000 | 1.092 | 0.213 | 0.637 | 0.058 | 0.342 |
| 1988 | 2.275 | 1.939 | 1.041 | 0.200 | 0.639 | 0.059 | 0.335 |
| 1989 | 2.239 | 1.912 | 1.043 | 0.168 | 0.637 | 0.064 | 0.326 |
| 1990 | 2.177 | 1.848 | 0.978 | 0.160 | 0.646 | 0.064 | 0.329 |
| 1991 | 2.159 | 1.751 | 0.919 | 0.141 | 0.630 | 0.062 | 0.407 |
| 1992 | 2.081 | 1.765 | 0.929 | 0.143 | 0.633 | 0.061 | 0.316 |
| 1993 | 2.043 | 1.774 | 0.943 | 0.142 | 0.632 | 0.057 | 0.268 |
| 1994 | 2.045 | 1.806 | 0.975 | 0.144 | 0.643 | 0.044 | 0.239 |
| 1995 | 2.069 | 1.838 | 0.963 | 0.142 | 0.691 | 0.042 | 0.231 |
| 1996 | 2.016 | 1.811 | 0.980 | 0.138 | 0.657 | 0.036 | 0.205 |
| 1997 | 2.019 | 1.840 | 0.997 | 0.129 | 0.679 | 0.035 | 0.180 |
| 1998 | 2.055 | 1.884 | 1.012 | 0.134 | 0.707 | 0.032 | 0.171 |
| 1999 | 2.048 | 1.880 | 1.037 | 0.135 | 0.676 | 0.031 | 0.168 |
| 2000 | 1.984 | 1.822 | 0.993 | 0.129 | 0.669 | 0.030 | 0.163 |
| 2001 | 1.924 | 1.763 | 0.964 | 0.122 | 0.645 | 0.032 | 0.161 |
| 2002 | 1.906 | 1.756 | 0.995 | 0.122 | 0.608 | 0.031 | 0.150 |

[a]U.S. Department of Agriculture, Forest Service (21,32); U.S. Council of Economic Advisors (40); Data may not add to totals because of rounding.

[b]Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items.

**Table 12—Consumption of selected timber products and other materials used in construction, manufacturing, and shipping, 1965–2002[a]**

| Year | Lumber | | | | | | Plywood | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Total | | Softwoods | | Hardwoods | | Total | | Softwoods | | Hardwoods | |
| | Consumption | Index 1996=100 | Consumption | Index 1996=100 | Consumption | Index 1996=100 | Consumption | Index 1996=100 | Consumption | Index 1996=100 | Consumption | Index 1996=100 |
| | *Billion board feet* | | *Billion board feet* | | *Billion board feet* | | *Billion square feet (3/8-in. basis)* | | *Billion square feet (3/8-in. basis)* | | *Billion square feet (3/8-in. basis)* | |
| 1965 | 43.1 | 70.3 | 33.4 | 67.5 | 9.7 | 82.2 | 15.5 | 73.0 | 12.4 | 68.9 | 3.1 | 95.7 |
| 1966 | 42.7 | 69.7 | 32.7 | 66.1 | 10.0 | 84.9 | 16.3 | 76.9 | 13.0 | 72.2 | 3.3 | 102.9 |
| 1967 | 41.4 | 67.6 | 32.0 | 64.6 | 9.5 | 80.3 | 16.0 | 75.4 | 12.9 | 71.5 | 3.2 | 97.6 |
| 1968 | 43.1 | 70.3 | 34.1 | 68.9 | 9.0 | 76.3 | 18.5 | 87.2 | 14.6 | 81.3 | 3.9 | 120.2 |
| 1969 | 42.3 | 69.0 | 33.2 | 67.1 | 9.1 | 77.1 | 17.5 | 82.2 | 13.5 | 75.0 | 4.0 | 122.7 |
| 1970 | 40.8 | 66.5 | 32.2 | 65.1 | 8.6 | 72.8 | 18.0 | 84.8 | 14.2 | 79.0 | 3.8 | 117.3 |
| 1971 | 45.0 | 73.4 | 36.4 | 73.5 | 8.6 | 73.1 | 21.0 | 98.8 | 16.5 | 91.8 | 4.5 | 137.9 |
| 1972 | 47.5 | 77.5 | 38.8 | 78.3 | 8.7 | 74.2 | 23.3 | 109.5 | 18.1 | 100.5 | 5.2 | 159.9 |
| 1973 | 47.9 | 78.3 | 38.8 | 78.4 | 9.1 | 77.6 | 22.2 | 104.5 | 17.9 | 99.4 | 4.3 | 133.0 |
| 1974 | 41.6 | 67.9 | 32.9 | 66.5 | 8.7 | 73.9 | 18.3 | 86.2 | 15.3 | 85.1 | 3.0 | 92.2 |
| 1975 | 38.4 | 62.7 | 31.1 | 62.8 | 7.4 | 62.5 | 18.2 | 85.5 | 15.3 | 84.7 | 2.9 | 89.9 |
| 1976 | 44.1 | 72.0 | 36.1 | 72.8 | 8.1 | 68.5 | 21.1 | 99.3 | 17.7 | 98.4 | 3.4 | 104.1 |
| 1977 | 49.4 | 80.5 | 40.7 | 82.2 | 8.6 | 73.4 | 22.5 | 105.8 | 19.1 | 106.0 | 3.4 | 104.4 |
| 1978 | 51.4 | 83.9 | 42.5 | 85.9 | 8.9 | 75.8 | 23.4 | 110.0 | 19.7 | 109.5 | 3.6 | 113.0 |
| 1979 | 50.1 | 81.7 | 40.8 | 82.4 | 9.3 | 78.8 | 22.5 | 105.8 | 19.3 | 107.0 | 3.2 | 98.8 |
| 1980 | 42.8 | 69.8 | 33.8 | 68.3 | 9.0 | 76.0 | 18.2 | 85.6 | 16.0 | 88.8 | 2.2 | 68.0 |
| 1981 | 39.3 | 64.1 | 32.0 | 64.7 | 7.3 | 61.7 | 18.5 | 87.1 | 16.1 | 89.3 | 2.4 | 74.7 |
| 1982 | 39.1 | 63.9 | 31.3 | 63.3 | 7.8 | 66.6 | 18.6 | 87.6 | 15.4 | 85.5 | 3.2 | 99.5 |
| 1983 | 48.4 | 79.0 | 39.9 | 80.6 | 8.5 | 72.5 | 23.1 | 108.7 | 18.9 | 105.0 | 4.2 | 129.1 |
| 1984 | 52.8 | 86.1 | 42.9 | 86.6 | 9.9 | 84.0 | 23.6 | 110.8 | 19.6 | 108.8 | 3.9 | 122.3 |
| 1985 | 54.0 | 88.1 | 44.4 | 89.8 | 9.6 | 81.1 | 24.3 | 114.2 | 19.9 | 110.5 | 4.4 | 134.9 |
| 1986 | 57.9 | 94.5 | 47.6 | 96.2 | 10.3 | 87.5 | 26.1 | 122.7 | 21.6 | 119.7 | 4.5 | 139.4 |
| 1987 | 61.5 | 100.3 | 50.5 | 101.9 | 11.0 | 93.7 | 27.5 | 129.4 | 22.2 | 123.4 | 5.3 | 163.2 |
| 1988 | 59.2 | 96.6 | 48.3 | 97.7 | 10.9 | 92.2 | 26.4 | 124.3 | 21.7 | 120.4 | 4.7 | 145.9 |
| 1989 | 60.6 | 98.9 | 49.1 | 99.1 | 11.5 | 98.0 | 23.3 | 109.9 | 20.0 | 111.0 | 3.4 | 104.0 |
| 1990 | 57.4 | 93.7 | 45.7 | 92.4 | 11.7 | 99.3 | 22.4 | 105.3 | 19.3 | 107.4 | 3.0 | 94.0 |
| 1991 | 52.1 | 85.0 | 41.6 | 84.1 | 10.4 | 88.6 | 20.1 | 94.4 | 17.4 | 96.3 | 2.7 | 83.5 |
| 1992 | 55.8 | 91.1 | 45.1 | 91.1 | 10.7 | 90.8 | 20.8 | 97.8 | 17.9 | 99.5 | 2.8 | 87.8 |
| 1993 | 57.2 | 93.3 | 45.7 | 92.3 | 11.5 | 97.5 | 20.9 | 98.5 | 17.9 | 99.6 | 3.0 | 92.6 |
| 1994 | 59.8 | 97.6 | 48.2 | 97.3 | 11.6 | 98.9 | 21.7 | 102.0 | 18.5 | 102.5 | 3.2 | 99.2 |
| 1995 | 59.5 | 97.1 | 47.6 | 96.1 | 11.9 | 101.4 | 21.6 | 101.9 | 18.2 | 100.8 | 3.5 | 107.9 |
| 1996 | 61.3 | 100.0 | 49.5 | 100.0 | 11.8 | 100.0 | 21.2 | 100.0 | 18.0 | 100.0 | 3.2 | 100.0 |
| 1997 | 62.9 | 102.7 | 51.0 | 103.1 | 11.9 | 101.1 | 20.1 | 94.8 | 16.5 | 91.7 | 3.6 | 112.3 |
| 1998 | 64.5 | 105.2 | 52.2 | 105.5 | 12.2 | 103.8 | 21.2 | 99.8 | 17.2 | 95.4 | 4.0 | 124.1 |
| 1999 | 66.8 | 109.1 | 54.4 | 109.9 | 12.4 | 105.5 | 21.7 | 102.0 | 17.3 | 96.3 | 4.3 | 134.2 |
| 2000 | 66.1 | 107.9 | 54.0 | 109.1 | 12.1 | 102.7 | 21.7 | 102.3 | 17.1 | 95.2 | 4.6 | 141.9 |
| 2001 | 64.9 | 106.0 | 53.7 | 108.5 | 11.3 | 95.6 | 19.8 | 93.0 | 15.3 | 84.8 | 4.5 | 139.3 |
| 2002 | 67.7 | 110.5 | 56.4 | 114.0 | 11.3 | 95.7 | 20.5 | 96.6 | 15.7 | 87.0 | 4.9 | 150.5 |

**Table 12—Consumption of selected timber products and other materials used in construction, manufacturing, and shipping, 1965–2002[a]—Con.**

| Year | Particleboard[b] | | Insulating board | | Hardboard | | Portland cement[c] | | Steel products[d] | | Brick[e] | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Consumption | Index 1996=100 | Consumption | Index 1996=100 | Shipments | Index 1996=100 | Shipments | Index 1996=100 | Shipments | Index 1996=100 | Shipments | Index 1996=100 |
| | *Million square feet (3/4-in. basis)* | | *Million square feet (1/2-in. basis)* | | *Million square feet (1/8-in. basis)* | | *Thousand tons* | | *Thousand tons* | | *Million bricks* | |
| 1965 | 832 | 13.1 | 3,395 | 137.4 | 2,921 | 55.3 | 70,328 | 71.2 | 11,836 | 149.0 | 8,089 | 108.6 |
| 1966 | 1,032 | 16.2 | 3,098 | 125.4 | 3,083 | 58.4 | 71,570 | 72.5 | 11,862 | 149.3 | 7,552 | 101.4 |
| 1967 | 1,166 | 18.3 | 3,233 | 130.9 | 3,038 | 57.5 | 70,315 | 71.2 | 11,375 | 143.2 | 7,117 | 95.6 |
| 1968 | 1,489 | 23.4 | 3,525 | 142.7 | 3,710 | 70.3 | 74,740 | 75.7 | 12,195 | 153.5 | 7,557 | 101.5 |
| 1969 | 1,794 | 28.2 | 3,656 | 148.0 | 4,247 | 80.4 | 77,047 | 78.0 | 11,402 | 143.5 | 7,290 | 97.9 |
| 1970 | 1,851 | 29.1 | 3,246 | 131.4 | 4,384 | 83.0 | 73,407 | 74.4 | 10,565 | 133.0 | 6,496 | 87.2 |
| 1971 | 2,488 | 39.1 | 3,889 | 157.4 | 5,225 | 99.0 | 79,005 | 80.0 | 8,666 | 109.1 | 7,570 | 101.6 |
| 1972 | 3,205 | 50.3 | 3,973 | 160.9 | 5,798 | 109.8 | 82,808 | 83.9 | 8,589 | 108.1 | 8,402 | 112.8 |
| 1973 | 3,574 | 56.2 | 3,975 | 160.9 | 6,050 | 114.6 | 88,459 | 89.6 | 10,731 | 135.1 | 8,674 | 116.5 |
| 1974 | 3,163 | 49.7 | 3,252 | 131.7 | 5,654 | 107.1 | 81,125 | 82.2 | 11,360 | 143.0 | 6,673 | 89.6 |
| 1975 | 2,650 | 41.6 | 2,919 | 118.2 | 5,681 | 107.6 | 69,078 | 70.0 | 8,119 | 102.2 | 6,262 | 84.1 |
| 1976 | 3,449 | 54.2 | 3,375 | 136.6 | 6,785 | 128.5 | 72,833 | 73.8 | 7,508 | 94.5 | 7,218 | 96.9 |
| 1977 | 4,105 | 64.5 | 3,485 | 141.1 | 7,714 | 146.1 | 78,730 | 79.7 | 7,553 | 95.1 | 8,663 | 116.3 |
| 1978 | 4,360 | 68.5 | 3,470 | 140.5 | 7,825 | 148.2 | 84,838 | 85.9 | 9,612 | 121.0 | 8,586 | 115.3 |
| 1979 | 4,020 | 63.2 | 3,399 | 137.6 | 7,688 | 145.6 | 84,860 | 86.0 | 9,978 | 125.6 | 7,708 | 103.5 |
| 1980 | 3,601 | 56.6 | 2,818 | 114.1 | 6,140 | 116.3 | 76,059 | 77.0 | 8,742 | 110.1 | 6,090 | 81.8 |
| 1981 | 3,522 | 55.3 | 2,118 | 85.7 | 6,105 | 115.6 | 71,901 | 72.8 | 8,446 | 106.3 | 5,059 | 67.9 |
| 1982 | 3,564 | 56.0 | 1,841 | 74.5 | 5,587 | 105.8 | 64,602 | 65.4 | 6,260 | 78.8 | 5,119 | 68.7 |
| 1983 | 4,560 | 71.6 | 2,398 | 97.1 | 7,303 | 138.3 | 70,849 | 71.8 | 6,276 | 79.0 | 6,218 | 83.5 |
| 1984 | 5,107 | 80.2 | 2,742 | 111.0 | 6,837 | 129.5 | 81,928 | 83.0 | 6,052 | 76.2 | 6,991 | 93.9 |
| 1985 | 5,292 | 83.1 | 2,724 | 110.3 | 6,300 | 119.3 | 84,779 | 85.9 | 6,407 | 80.7 | 6,605 | 88.7 |
| 1986 | 5,693 | 89.4 | 2,415 | 97.8 | 5,822 | 110.3 | 88,946 | 90.1 | 5,141 | 64.7 | 7,184 | 96.5 |
| 1987 | 6,042 | 94.9 | 2,388 | 96.7 | 5,458 | 103.4 | 90,458 | 91.6 | 5,619 | 70.7 | 7,601 | 102.1 |
| 1988 | 6,239 | 98.0 | 2,457 | 99.5 | 5,118 | 96.9 | 90,299 | 91.5 | 6,014 | 75.7 | 6,930 | 93.0 |
| 1989 | 4,920 | 77.3 | 2,621 | 106.1 | 5,196 | 98.4 | 89,081 | 90.2 | 7,041 | 88.6 | 7,494 | 100.6 |
| 1990 | 4,746 | 74.6 | 2,480 | 100.4 | 5,025 | 95.2 | 87,675 | 88.8 | 7,206 | 90.7 | 6,873 | 92.3 |
| 1991 | 4,654 | 73.1 | 2,332 | 94.4 | 4,895 | 92.7 | 78,058 | 79.1 | 7,112 | 89.5 | 5,975 | 80.2 |
| 1992 | 5,057 | 79.5 | 2,458 | 99.5 | 5,273 | 99.9 | 82,845 | 83.9 | 6,848 | 86.2 | 6,231 | 83.7 |
| 1993 | 5,656 | 88.9 | 2,435 | 98.6 | 5,248 | 99.4 | 86,388 | 87.5 | 6,755 | 85.0 | 6,655 | 89.4 |
| 1994 | 6,271 | 98.5 | 2,470 | 100.0 | 5,206 | 98.6 | 92,698 | 93.9 | 7,319 | 92.1 | 7,238 | 97.2 |
| 1995 | 5,828 | 91.6 | 2,470 | 100.0 | 4,930 | 93.4 | 93,392 | 94.6 | 6,988 | 88.0 | 6,665 | 89.5 |
| 1996 | 6,365 | 100.0 | 2,470 | 100.0 | 5,280 | 100.0 | 98,728 | 100.0 | 7,943 | 100.0 | 7,448 | 100.0 |
| 1997 | 6,691 | 105.1 | 2,470 | 100.0 | 4,501 | 85.2 | 99,812 | 101.1 | 7,546 | 95.0 | 7,576 | 101.7 |
| 1998 | 8,320 | 130.7 | 2,470 | 100.0 | 4,300 | 81.4 | 114,329 | 115.8 | 8,400 | 105.8 | 8,241 | 110.6 |
| 1999 | 8,619 | 135.4 | 2,470 | 100.0 | 4,386 | 83.1 | 120,024 | 121.6 | 8,800 | 110.8 | 8,932 | 119.9 |
| 2000 | 9,098 | 142.9 | 2,470 | 100.0 | 3,781 | 71.6 | 121,332 | 122.9 | 8,767 | 110.4 | 8,617 | 115.7 |
| 2001 | 9,030 | 141.9 | 2,470 | 100.0 | 3,322 | 62.9 | 124,736 | 126.3 | 9,188 | 115.7 | 7,955 | 106.8 |
| 2002 | 9,927 | 156.0 | 2,470 | 100.0 | 2,919 | 55.3 | 121,279 | 122.8 | 8,869 | 111.7 | 8,110 | 108.9 |

[a]American Plywood Association (11,12); Composite Panel Association (16); U.S. Department of Commerce, Bureau of Industrial Economics (73); Wood Technology (87); U.S. International Trade Commission (81).

[b]Includes medium-density fiberboard.

[c]U.S. Geological Survey (80).

[d]American Iron & Steel Institute (9). Construction, including maintenance; Net shipments.

[e]U.S. Department of Commerce, Bureau of the Census (54)

**Table 13—Volume and value of imports and exports of timber products by product, 2002**

| Product | Standard unit of measure | Imports[a] | | Exports | | Trade balance[b] | |
|---|---|---|---|---|---|---|---|
| | | Volume | Value[c] | Volume | Value[d] | Volume | Value[d] |
| | | | *Million dollars* | | *Million dollars* | | *Million dollars* |
| Logs:[ef,g] | Million board feet | | | | | | |
| Softwoods | | 466.0 | 161.0 | 1,744.9 | 724.5 | 1,278.9 | 563.5 |
| Hardwoods | | 70.7 | 41.5 | 683.6 | 483.3 | 612.8 | 441.8 |
| Total | | 536.7 | 202.5 | 2,428.5 | 1,207.8 | 1,891.8 | 1,005.3 |
| Lumber:[e] | Million board feet | | | | | | |
| Softwoods | | 20,985.6 | 6,271.0 | 966.4 | 483.1 | (20,019.2) | (5,787.9) |
| Hardwoods | | 738.5 | 594.4 | 1,219.3 | 1,311.7 | 480.8 | 717.3 |
| Railroad ties[f] | | 50.0 | 21.9 | 245.7 | 29.7 | 195.7 | 7.8 |
| Total | | 21,774.1 | 6,887.3 | 2,431.4 | 1,824.6 | (19,342.7) | (5,062.8) |
| Veneer: | Million square feet | | | | | | |
| Softwoods[f,h] | 3/8 in. thickness | 2,385.4 | 136.1 | 260.3 | 39.7 | (2,125.1) | (96.4) |
| Hardwoods[e,f,h] | | 2,328.7 | 318.6 | 3,460.4 | 417.9 | 1,131.7 | 99.3 |
| Total | | 4,714.1 | 454.7 | 3,720.7 | 457.6 | (993.4) | 2.9 |
| Plywood:[h] | Million square feet | | | | | | |
| Softwoods | 3/8 in. thickness | 923.9 | 195.6 | 166.2 | 95.1 | (757.7) | (100.5) |
| Hardwoods | 3/8 in. thickness | 2,944.0 | 850.7 | 78.4 | 55.7 | (2,865.5) | (795.0) |
| Total | | 3,867.8 | 1,046.3 | 244.6 | 150.8 | (3,623.2) | (895.5) |
| Particleboard[h] | Million square feet | | | | | | |
| | 3/4 in. thickness | 771.7 | 269.6 | 118.9 | 41.0 | (652.9) | (228.6) |
| Med. dens. fiberboard[h] | Million square feet | | | | | | |
| | 3/4 in. thickness | 2,476.0 | 205.5 | 92.8 | 46.8 | (2,383.2) | (158.6) |
| OSB/waferboard[h] | Million square feet | | | | | | |
| | 3/8 in. thickness | 8,470.8 | 1,076.8 | 195.7 | 41.0 | (8,275.2) | (1,035.8) |
| Hardboard[h] | Million square feet | | | | | | |
| | 1/8 in.thickness assumed | 2,676.4 | 406.9 | 669.3 | 69.3 | (2,007.1) | (337.6) |
| Pulpwood: | Thousand cords | | | | | | |
| Round[e,f] | | 23.3 | 2.1 | 972.9 | 102.7 | 949.7 | 100.6 |
| Chips[e] | | 43.9 | 8.0 | 911.7 | 197.1 | 867.9 | 189.1 |
| Total | | 67.1 | 10.1 | 1,884.7 | 299.8 | 1,817.6 | 289.7 |
| Wood pulp[e] | Thousand short tons | 7,247.4 | 2,294.2 | 6,253.7 | 2,612.2 | (993.7) | 318.0 |
| Paper and board:[e,l] | Thousand short tons | | | | | | |
| Newsprint | | 6,904.8 | 3,039.1 | 729.5 | 330.2 | (6,175.3) | (2,708.8) |
| Printing & writing paper | | 7,249.0 | 4,833.6 | 1,418.9 | 1,423.4 | (5,830.1) | (3,410.2) |
| Paperboard | | 2,065.3 | 1,017.4 | 5,865.3 | 2,872.0 | 3,800.0 | 1,854.6 |
| Other paper & board[j] | | 1,359.4 | 1,480.0 | 1,054.0 | 1,215.1 | (305.4) | (264.9) |
| Converted products | | 1,854.8 | 3,714.2 | 2,496.4 | 3,964.8 | 641.6 | 250.7 |
| Total | | 19,433.2 | 14,084.2 | 11,563.9 | 9,805.6 | (7,869.3) | (4,278.5) |
| Recovered paper[e] | Thousand short tons | 411.5 | 54.7 | 11,403.5 | 1,077.2 | 10,992.1 | 1,022.4 |
| Other wood products[k] | | | 5,354.8 | | 1,104.9 | | (4,250.0) |
| Total all products[f,g,l] | | | 32,347.6 | | 18,738.6 | | (13,609.0) |

[a]Imports for consumption.
[b]Negative amounts, given in parentheses, indicate imports exceed exports.
[c]Customs value, which is generally defined as the price actually paid or payable for merchandise when sold for exportation to the U.S., excluding U.S. import duties, freight, insurance, and other charges.
[d]Value (free alongside ship) at U.S. ports of export, based on the transaction price, including inland freight, insurance, and other charges.
[e]American Forest and Paper Association (3,4,5).
[f]U.S. International Trade Commission (81).
[g]Includes pulpwood logs.
[h]U.S. Department of Agriculture, Foreign Agricultural Service (41).
[i]Includes wet machine board and converted paper and paperboard products.
[j]Includes tissue, packaging and industrial papers, wet machine board, and construction paper and board.
[k]Includes poles and piling, fuelwood, wood charcoal, cork, wood containers, wood doors, and other miscellaneous products. Does not include wood furniture nor printed material.
[l]Data may not add to totals because of rounding.

**Table 14—Value of imports and exports of all commodities[a] and timber products,[b] 1965–2002**

| Year | Imports[c] | | | | | Exports[d] | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | All commodities | | Timber products | | | All commodities | | Timber products | | |
| | | | Total | | Proportion[e] | | | Total | | Proportion[e] |
| | *Million current dollars* | *Million 1997 dollars*[f] | *Million current dollars* | *Million 1997 dollars* | *Percent* | *Million current dollars* | *Million 1997 dollars* | *Million current dollars* | *Million 1997 dollars* | *Percent* |
| 1965 | 21,285 | 83,892 | 1,977 | 7,792 | 9.3 | 27,135 | 106,949 | 917 | 3,614 | 3.4 |
| 1966 | 25,360 | 97,138 | 2,165 | 8,293 | 8.5 | 29,884 | 114,466 | 1,024 | 3,922 | 3.4 |
| 1967 | 26,733 | 102,038 | 2,087 | 7,966 | 7.8 | 31,142 | 118,866 | 1,150 | 4,389 | 3.7 |
| 1968 | 32,970 | 122,827 | 2,446 | 9,112 | 7.4 | 33,953 | 126,489 | 1,362 | 5,074 | 4.0 |
| 1969 | 35,863 | 128,331 | 2,734 | 9,783 | 7.6 | 37,462 | 134,052 | 1,509 | 5,400 | 4.0 |
| 1970 | 39,756 | 137,293 | 2,546 | 8,792 | 6.4 | 42,590 | 147,080 | 1,816 | 6,271 | 4.3 |
| 1971 | 45,516 | 152,348 | 2,937 | 9,831 | 6.5 | 43,492 | 145,574 | 1,692 | 5,663 | 3.9 |
| 1972 | 55,290 | 176,899 | 3,632 | 11,620 | 6.6 | 48,887 | 156,413 | 2,038 | 6,521 | 4.2 |
| 1973 | 69,024 | 195,536 | 4,468 | 12,657 | 6.5 | 70,246 | 198,997 | 3,006 | 8,516 | 4.3 |
| 1974 | 100,140 | 238,891 | 4,778 | 11,398 | 4.8 | 97,144 | 231,744 | 4,165 | 9,936 | 4.3 |
| 1975 | 96,477 | 210,742 | 4,141 | 9,046 | 4.3 | 106,102 | 231,767 | 4,088 | 8,930 | 3.9 |
| 1976 | 121,121 | 252,894 | 5,590 | 11,672 | 4.6 | 113,319 | 236,604 | 4,695 | 9,803 | 4.1 |
| 1977 | 147,976 | 290,562 | 6,720 | 13,195 | 4.5 | 117,926 | 231,556 | 4,664 | 9,158 | 4.0 |
| 1978 | 172,912 | 315,599 | 8,028 | 14,653 | 4.6 | 141,126 | 257,583 | 4,963 | 9,058 | 3.5 |
| 1979 | 205,850 | 333,226 | 9,181 | 14,862 | 4.5 | 178,591 | 289,099 | 6,854 | 11,095 | 3.8 |
| 1980 | 239,943 | 340,750 | 8,648 | 12,281 | 3.6 | 216,592 | 307,589 | 8,516 | 12,094 | 3.9 |
| 1981 | 259,012 | 337,032 | 9,042 | 11,766 | 3.5 | 228,961 | 297,929 | 7,925 | 10,312 | 3.5 |
| 1982 | 242,340 | 309,053 | 8,382 | 10,689 | 3.5 | 207,158 | 264,186 | 7,151 | 9,120 | 3.5 |
| 1983 | 256,680 | 323,173 | 10,067 | 12,675 | 3.9 | 195,969 | 246,735 | 7,044 | 8,869 | 3.6 |
| 1984 | 322,949 | 396,961 | 12,235 | 15,039 | 3.8 | 212,056 | 260,654 | 7,210 | 8,862 | 3.4 |
| 1985 | 343,067 | 423,604 | 12,539 | 15,483 | 3.7 | 206,926 | 255,503 | 6,699 | 8,272 | 3.2 |
| 1986 | 368,251 | 468,527 | 13,271 | 16,885 | 3.6 | 206,628 | 262,894 | 7,692 | 9,787 | 3.7 |
| 1987 | 402,084 | 498,740 | 15,268 | 18,938 | 3.8 | 244,417 | 303,172 | 9,940 | 12,329 | 4.1 |
| 1988 | 437,475 | 521,814 | 16,749 | 19,978 | 3.8 | 310,333 | 370,161 | 12,782 | 15,246 | 4.1 |
| 1989 | 477,400 | 542,660 | 19,106 | 21,718 | 4.0 | 362,100 | 411,598 | 17,224 | 19,578 | 4.8 |
| 1990 | 498,300 | 546,432 | 18,806 | 20,623 | 3.8 | 389,300 | 426,904 | 18,542 | 20,333 | 4.8 |
| 1991 | 491,000 | 537,344 | 17,100 | 18,714 | 3.5 | 416,900 | 456,250 | 19,500 | 21,341 | 4.7 |
| 1992 | 536,500 | 583,615 | 18,700 | 20,342 | 3.5 | 440,400 | 479,076 | 20,700 | 22,518 | 4.7 |
| 1993 | 589,400 | 631,686 | 18,874 | 20,228 | 3.2 | 456,800 | 489,573 | 16,889 | 18,101 | 3.7 |
| 1994 | 668,600 | 708,195 | 17,117 | 18,131 | 2.6 | 502,400 | 532,153 | 15,320 | 16,228 | 3.0 |
| 1995 | 749,600 | 766,381 | 19,023 | 19,449 | 2.5 | 575,800 | 588,691 | 17,582 | 17,976 | 3.1 |
| 1996 | 803,300 | 801,693 | 21,264 | 21,221 | 2.6 | 612,000 | 610,776 | 18,315 | 18,278 | 3.0 |
| 1997 | 877,300 | 877,155 | 27,375 | 27,370 | 3.1 | 679,300 | 679,188 | 21,386 | 21,382 | 3.1 |
| 1998 | 918,800 | 905,334 | 28,684 | 28,263 | 3.1 | 670,600 | 660,772 | 19,261 | 18,979 | 2.9 |
| 1999 | 1,030,400 | 932,521 | 32,263 | 29,198 | 3.1 | 683,200 | 618,302 | 19,483 | 17,632 | 2.9 |
| 2000 | 1,224,400 | 1,003,713 | 34,300 | 28,118 | 2.8 | 772,000 | 632,854 | 21,760 | 17,838 | 2.8 |
| 2001 | 1,145,900 | 928,862 | 32,250 | 26,142 | 2.8 | 718,800 | 582,656 | 18,931 | 15,345 | 2.6 |
| 2002 | 1,166,900 | 968,251 | 32,348 | 26,841 | 2.8 | 682,600 | 566,397 | 18,739 | 15,549 | 2.7 |

[a]U.S. Council of Economic Advisors (39).

[b]U.S. International Trade Commission (81).

[c]Imports for consumption. Customs value, which is generally defined as the price actually paid or payable for merchandise when sold for exportation to the United States, excluding U.S. import duties, freight, insurance, and other charges.

[d]Value (free alongside ship) at U.S. ports of export, based on the transaction price, including inland freight, insurance, and other charges.

[e]Timber products as a percentage of all commodities.

[f]Converted to 1997 dollars by dividing current dollars by the implicit deflators for gross domestic product for imports and exports.

**Table 15—Foreign exchange rates by selected country and year, 1975–2002[a]**

| | | | Foreign currency units per U.S. dollar | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Country | Currency | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1990 | 1985 | 1980 | 1975 |
| North America | | | | | | | | | | | | | | | | |
| | Canada | Dollar | 1.5704 | 1.5487 | 1.4855 | 1.4858 | 1.4836 | 1.3849 | 1.3638 | 1.3725 | 1.3664 | 1.2902 | 1.1668 | 1.3658 | 1.1693 | 1.0173 |
| Asia | | | | | | | | | | | | | | | | |
| | China, PR | Yuan | 8.277 | 8.277 | 8.2784 | 8.2781 | 8.3008 | 8.3193 | 8.3389 | 8.37 | 8.6404 | 5.7795 | 4.7921 | 2.9434 | z | z |
| | Hong Kong | Dollar | 7.7997 | 7.7997 | 7.7924 | 7.7594 | 7.7467 | 7.7431 | 7.7345 | 7.7357 | 7.729 | 7.7357 | 7.7899 | 7.7911 | z | z |
| | India | Rupee | 48.63 | 47.22 | 45.00 | 43.13 | 41.36 | 36.365 | 35.506 | 32.418 | 31.394 | 31.291 | 17.492 | 12.332 | 7.8866 | 8.3854 |
| | Japan | Yen | 125.22 | 121.57 | 107.8 | 113.73 | 130.99 | 121.06 | 108.78 | 93.96 | 102.18 | 111.08 | 145 | 238.47 | 226.63 | 296.69 |
| | Malaysia | Ringgit | 3.8000 | 3.8000 | 3.8000 | 3.8000 | 3.9254 | 2.8173 | 2.5154 | 2.5073 | 2.6237 | 2.5738 | 2.7057 | 2.4806 | 2.1767 | 2.395 |
| | Singapore | Dollar | 1.791 | 1.793 | 1.7250 | 1.6951 | 1.6722 | 1.4857 | 1.41 | 1.4171 | 1.5275 | 1.6158 | 1.8134 | 2.2008 | z | z |
| | South Korea | Won | 1250.31 | 1292.01 | 1,130.90 | 1,189.84 | 950.77 | 950.77 | 805 | 772.69 | 806.93 | 805.75 | 710.64 | 861.89 | z | z |
| | Sri Lanka | Rupee | 95.773 | 89.602 | 76.964 | 70.868 | 59.026 | 59.026 | 55.289 | 51.047 | 49.17 | 48.211 | 40.078 | 27.187 | 16.167 | 6.95 |
| | Taiwan | Dollar | 34.536 | 33.824 | 31.260 | 32.322 | 33.547 | 28.775 | 27.468 | 26.495 | 26.465 | 26.416 | 26.918 | 39.889 | z | z |
| | Thailand | Baht | 43.019 | 44.532 | 40.210 | 37.887 | 41.262 | 31.072 | 25.359 | 24.921 | 25.161 | 25.333 | 25.609 | 27.193 | z | z |
| Africa | | | | | | | | | | | | | | | | |
| | South Africa | Rand | 10.52 | 8.6093 | 6.9468 | 6.1191 | 5.5417 | 4.6072 | 4.3011 | 3.6284 | 3.5526 | 3.2729 | 2.5885 | 2.2343 | 0.778 | 0.7328 |
| Europe | | | | | | | | | | | | | | | | |
| | Austria | Schilling | 13.009 | 12.318 | 12.704 | 14.659 | 12.379 | 12.206 | 10.589 | 10.076 | 11.409 | 11.639 | 11.331 | 20.676 | 12.945 | 17.401 |
| | Belgium | Franc | 38.137 | 36.112 | 37.242 | 42.974 | 36.31 | 35.807 | 30.968 | 29.472 | 33.426 | 34.581 | 33.424 | 59.336 | 29.237 | 36.694 |
| | Denmark | Krone | 7.8862 | 8.3323 | 8.0953 | 6.9900 | 6.703 | 6.6092 | 5.8003 | 5.5999 | 6.3561 | 6.4863 | 6.1899 | 10.598 | 5.6345 | 5.7351 |
| | European Union | Euro | 0.9454 | 0.8952 | 0.9232 | 1.0653 | z | z | z | z | z | z | z | z | z | z |
| | Finland | Markka | 5.6211 | 5.3226 | 5.4891 | 6.3340 | 5.3473 | 5.1956 | 4.5948 | 4.3763 | 5.234 | 5.7251 | 3.83 | 6.1971 | 3.7206 | 3.6651 |
| | France | Franc | 6.2014 | 5.8721 | 6.0558 | 6.9879 | 5.8995 | 5.8393 | 5.1158 | 4.9864 | 5.5459 | 5.6669 | 5.4467 | 8.9799 | 4.225 | 4.2819 |
| | Germany | Deutsche mark | 1.8490 | 1.7509 | 1.8056 | 2.0835 | 1.7597 | 1.7348 | 1.5049 | 1.4321 | 1.6216 | 1.6545 | 1.6166 | 2.9419 | 1.8175 | 2.4553 |
| | Greece | Drachma | z | z | 365.92 | 306.30 | 295.7 | 273.28 | 240.82 | 231.68 | 242.5 | 229.64 | 158.59 | 138.4 | z | z |
| | Ireland | Pound[b] | 0.7446 | 0.7050 | 0.7271 | 0.8390 | 142.48 | 151.63 | 159.95 | 160.35 | 149.69 | 146.47 | 165.76 | 106.62 | 205.77 | 222.16 |
| | Italy | Lira | 1,830.55 | 1,733.35 | 1,787.56 | 2,062.71 | 1736.85 | 1703.81 | 1542.76 | 1629.45 | 1,611.49 | 1,573.41 | 1,198.27 | 1,908.90 | 856.2 | 652.4 |
| | Netherlands | Guilder | 2.0834 | 1.9728 | 2.0345 | 2.3476 | 1.9837 | 1.9525 | 1.6863 | 1.6044 | 1.819 | 1.8585 | 1.8215 | 3.3184 | 1.9875 | 2.5232 |
| | Norway | Krone | 7.9839 | 8.9964 | 8.8131 | 7.8017 | 7.5521 | 7.0857 | 6.4594 | 6.3355 | 7.0553 | 7.1009 | 6.2541 | 8.5933 | 4.9381 | 5.2137 |
| | Portugal | Escudo | 189.54 | 179.47 | 185.08 | 213.57 | 180.25 | 175.44 | 154.28 | 149.88 | 165.93 | 161.08 | 142.7 | 172.07 | 50.082 | 25.454 |
| | Spain | Peseta | 157.30 | 148.95 | 153.61 | 177.25 | 149.41 | 146.53 | 124.64 | 126.68 | 133.88 | 127.48 | 101.96 | 169.98 | 71.758 | 57.393 |
| | Sweden | Krona | 9.7233 | 10.3425 | 9.1735 | 8.2740 | 7.9522 | 7.6446 | 6.7082 | 7.1406 | 7.7161 | 7.7956 | 5.9231 | 8.6031 | 4.2309 | 4.1424 |
| | Switzerland | Franc | 1.5567 | 1.6891 | 1.6904 | 1.5045 | 1.4506 | 1.4514 | 1.2361 | 1.1812 | 1.3667 | 1.4781 | 1.3901 | 2.4551 | 1.6772 | 2.5811 |
| | United Kingdom | Pound[b] | 150.25 | 143.96 | 151.56 | 161.72 | 165.73 | 163.76 | 1.5607 | 1.5785 | 153.19 | 150.16 | 178.41 | 129.74 | 232.58 | 222.16 |
| Other | | | | | | | | | | | | | | | | |
| | Australia | Dollar[b] | 54.37 | 51.69 | 58.15 | 64.54 | 62.91 | 74.368 | 78.283 | 74.073 | 73.161 | 67.993 | 78.069 | 70.026 | 114 | 130.77 |
| | New Zealand | Dollar[b] | 46.45 | 42.02 | 45.68 | 52.94 | 53.61 | 66.247 | 68.765 | 65.625 | 59.358 | 54.127 | 59.619 | 49.752 | 97.34 | 121.16 |
| Index | | | | | | | | | | | | | | | | |
| | United States | Dollar[c,d] | 103.09 | 104.32 | 98.32 | 94.07 | 98.85 | 96.38 | 87.34 | 84.25 | 91.32 | 93.18 | 89.09 | 143.01 | 87.39 | 98.5 |

[a]U.S. Federal Reserve System, Board of Governors (78).

[b]Value in U.S. cents.

[c]Index of weighted-average exchange value of U.S. dollar against the currencies of ten industrial countries. The weight for each of the ten countries is the 1972–1976 average world trade of that country divided by the average world trade of all ten countries combined. Series revised as of August 1978.

[d]Data prior to 1999 was reported using the G-10 index. Data for 1999 and later is reported using the major currency scale.

[z]Not Available

**Table 16—Log imports by major species, 1965–2002 (million board feet, log scale)[a,b]**

| | | | Hardwoods | | | | |
|---|---|---|---|---|---|---|---|
| Year | Total | Softwoods[c] | Total | Mahogany | Philippine mahogany or lauan | Birch and maple | Other |
| 1965 | 68.1 | 13.5 | 54.6 | 12.8 | 11.0 | 6.2 | 24.6 |
| 1966 | 95.6 | 42.5 | 53.1 | 16.1 | 2.8 | 6.3 | 27.9 |
| 1967 | 77.0 | 33.9 | 43.1 | 10.5 | 4.6 | 6.6 | 21.4 |
| 1968 | 79.0 | 33.1 | 45.9 | 8.5 | 1.9 | 6.5 | 29.0 |
| 1969 | 81.9 | 41.7 | 40.2 | 6.5 | 3.1 | 7.6 | 23.0 |
| 1970 | 144.4 | 106.5 | 37.9 | 6.8 | 0.7 | 8.2 | 22.2 |
| 1971 | 84.0 | 55.7 | 28.3 | 3.3 | 0.2 | 8.7 | 16.1 |
| 1972 | 39.3 | 11.3 | 28.0 | 3.6 | 0.7 | 7.9 | 15.8 |
| 1973 | 33.5 | 8.5 | 25.0 | 2.1 | 3.2 | 9.2 | 10.5 |
| 1974 | 76.6 | 45.6 | 31.0 | 3.4 | 0.9 | 12.3 | 14.4 |
| 1975 | 85.5 | 68.5 | 17.0 | 1.6 | 0.3 | 7.2 | 7.9 |
| 1976 | 81.6 | 67.4 | 14.2 | 1.2 | 0.6 | 8.7 | 3.7 |
| 1977 | 154.5 | 139.5 | 15.0 | 2.4 | 0.5 | 8.9 | 3.2 |
| 1978 | 96.9 | 79.1 | 17.8 | 1.5 | [d] | 9.1 | 7.2 |
| 1979 | 133.0 | 118.4 | 14.6 | 1.1 | 0.3 | 8.4 | 4.8 |
| 1980 | 127.5 | 114.1 | 13.4 | 1.0 | [d] | 7.4 | 5.0 |
| 1981 | 101.1 | 87.6 | 13.5 | 0.6 | [d] | 8.7 | 4.2 |
| 1982 | 117.1 | 98.8 | 18.3 | 0.8 | [d] | 10.2 | 7.3 |
| 1983 | 165.0 | 142.5 | 22.5 | 0.3 | 0.3 | 5.1 | 16.8 |
| 1984 | 146.9 | 116.8 | 30.1 | 0.5 | 0.3 | 4.4 | 24.9 |
| 1985 | 99.2 | 70.8 | 28.4 | 0.3 | 0.3 | 2.9 | 24.9 |
| 1986 | 78.6 | 52.1 | 26.4 | 1.3 | 1.6 | 3.0 | 20.5 |
| 1987 | 82.5 | 68.7 | 13.8 | 0.3 | 0.3 | 3.8 | 9.4 |
| 1988 | 68.1 | 55.9 | 12.2 | 1.7 | [d] | 3.8 | 6.7 |
| 1989 | 39.3 | 20.9 | 18.4 | 0.8 | 0.1 | 6.7 | 10.8 |
| 1990 | 23.1 | 12.9 | 10.2 | 1.1 | [d] | 3.7 | 5.4 |
| 1991 | 13.6 | 7.6 | 6.0 | 0.9 | [d] | 2.6 | 2.5 |
| 1992 | 43.4 | 36.8 | 6.6 | 0.7 | 0.1 | 4.4 | 1.4 |
| 1993 | 93.9 | 85.7 | 8.2 | 1.1 | [d] | 3.9 | 3.2 |
| 1994 | 110.4 | 94.3 | 16.0 | 1.3 | [d] | 6.3 | 8.4 |
| 1995 | 80.4 | 54.5 | 25.9 | 1.6 | 0.3 | 6.6 | 17.4 |
| 1996 | 115.0 | 83.6 | 31.4 | 1.7 | 0.3 | 11.8 | 17.7 |
| 1997 | 127.6 | 84.1 | 43.5 | 2.3 | 0.3 | 8.1 | 32.8 |
| 1998 | 185.3 | 146.9 | 38.4 | 2.3 | 0.3 | 8.7 | 27.0 |
| 1999 | 294.3 | 254.3 | 40.0 | 2.3 | 0.3 | 10.1 | 27.3 |
| 2000 | 449.6 | 390.4 | 59.2 | 2.3 | 0.3 | 9.4 | 47.2 |
| 2001 | 458.9 | 399.0 | 59.9 | 2.3 | 0.3 | 7.6 | 49.6 |
| 2002 | 536.7 | 466.0 | 70.7 | 2.3 | 0.3 | 12.6 | 55.5 |

[a]U.S. Department of Commerce, Bureau of the Census (69); U.S. Department of Agriculture, Foreign Agricultural Service (41); U.S. International Trade Commission (81); American Forest and Paper Association (4). Data may not add to totals because of rounding.

[b]Prior to 2000, pulpwood logs are not included in logs.

[c]Western Wood Products Association 1965-1999(83); USITC 2000-present (81).

[d]Fewer than 50,000 board feet.

**Table 17—Log imports by major region of origin, 1965–2002**

**(million board feet, log scale)[a,b]**

| Year | Total | Canada[c] | Mexico and Central America[d] | South America | Africa | Asia | Other[e] |
|---|---|---|---|---|---|---|---|
| 1965 | 68.1 | 20.3 | 3.4 | 18.0 | 14.1 | 11.7 | 0.6 |
| 1966 | 95.6 | 49.4 | 3.7 | 21.3 | 17.4 | 3.6 | 0.2 |
| 1967 | 77.0 | 40.6 | 3.0 | 18.3 | 9.7 | 4.9 | 0.5 |
| 1968 | 79.0 | 39.9 | 3.1 | 26.8 | 6.8 | 2.1 | 0.3 |
| 1969 | 81.9 | 49.5 | 2.1 | 18.3 | 8.3 | 3.5 | 0.2 |
| 1970 | 144.4 | 114.9 | 2.3 | 17.6 | 8.3 | 1.0 | 0.3 |
| 1971 | 84.0 | 64.6 | 2.2 | 13.1 | 3.2 | 0.9 | [f] |
| 1972 | 39.3 | 17.3 | 2.6 | 13.9 | 3.8 | 1.4 | 0.3 |
| 1973 | 33.5 | 17.8 | 3.0 | 2.9 | 4.8 | 4.8 | 0.2 |
| 1974 | 76.6 | 57.0 | [z] | 1.3 | 4.0 | 9.1 | 5.2 |
| 1975 | 85.5 | 80.3 | 0.3 | [z] | 1.4 | 0.1 | 3.4 |
| 1976 | 81.6 | 78.0 | [z] | [z] | 1.3 | 0.7 | 1.6 |
| 1977 | 154.5 | 150.5 | [z] | [z] | 2.5 | 0.6 | 0.9 |
| 1978 | 96.9 | 85.9 | 0.4 | 5.5 | 4.1 | 0.5 | 0.5 |
| 1979 | 133.0 | 111.2 | 0.2 | 17.4 | 1.5 | 1.1 | 1.6 |
| 1980 | 127.5 | 121.4 | 0.2 | [f] | 1.3 | 0.2 | 4.4 |
| 1981 | 101.1 | 94.4 | 0.4 | [f] | 0.7 | 0.6 | 5.0 |
| 1982 | 117.1 | 115.4 | 0.2 | 0.1 | 0.9 | 0.4 | 0.1 |
| 1983 | 165.0 | 161.5 | 1.0 | 0.1 | 0.3 | 1.7 | 0.4 |
| 1984 | 146.9 | 143.1 | 0.2 | 0.1 | 0.7 | 1.8 | 1.0 |
| 1985 | 99.2 | 81.1 | 0.1 | 0.5 | 3.2 | 13.9 | 0.4 |
| 1986 | 78.6 | 61.1 | 0.1 | 0.2 | 1.2 | 5.4 | 10.6 |
| 1987 | 82.5 | 75.6 | 0.2 | 0.2 | 0.3 | 2.1 | 4.1 |
| 1988 | 68.1 | 62.6 | 0.4 | 0.2 | 1.4 | 2.6 | 0.9 |
| 1989 | 39.3 | 20.0 | 2.3 | 0.7 | 2.1 | 8.1 | 6.1 |
| 1990 | 23.1 | 19.3 | 0.6 | 0.5 | 0.5 | 1.6 | 0.6 |
| 1991 | 13.6 | 9.0 | 0.4 | 0.2 | 0.3 | 1.1 | 2.6 |
| 1992 | 43.4 | 40.7 | 0.8 | 0.2 | 0.6 | 0.6 | 0.5 |
| 1993 | 93.9 | 89.3 | [f] | 0.2 | 0.4 | 0.6 | 3.4 |
| 1994 | 110.4 | 85.0 | 1.2 | 0.6 | 0.6 | 0.7 | 22.3 |
| 1995 | 80.4 | 56.3 | 1.5 | 0.6 | 0.6 | 0.1 | 21.3 |
| 1996 | 115.0 | 94.6 | 2.1 | 0.8 | 0.1 | 0.1 | 17.3 |
| 1997 | 127.6 | 105.7 | 1.7 | 1.2 | 0.1 | 0.1 | 18.8 |
| 1998 | 185.3 | 168.4 | 0.5 | 1.2 | 0.1 | 0.2 | 14.9 |
| 1999[r] | 294.3 | 280.3 | 0.6 | 1.8 | 0.3 | 1.3 | 9.9 |
| 2000 | 449.6 | 426.2 | 0.5 | 4.6 | 2.6 | 0.3 | 15.4 |
| 2001 | 458.9 | 445.0 | 0.7 | 3.9 | 0.2 | 0.8 | 8.2 |
| 2002 | 536.7 | 521.4 | 4.2 | 3.1 | 0.2 | 0.2 | 7.5 |

[a]U.S. Department of Agriculture, Forest Service (42); U.S. Department of Agriculture, Foreign Agricultural Service (41); Western Wood Products Association (83); U.S. International Trade Commission (81). Data may not add to totals because of rounding.

[b]Prior to 2000, pulpwood logs are not included in logs.

[c]American Forest and Paper Association 1965-1999 (2); USITC 2000-present (81).

[d]Includes the West Indies.

[e]For the years 1974–1977, all imports with a value of less than $500 are included in Other.

[f]Fewer than 50,000 board feet.

[r]Revised.

[z]Not available.

**Table 18—Log exports by major species, 1965–2002 (million board feet, Scribner log scale)[a]**

| | | Softwoods | | | | | Hardwoods | | |
|---|---|---|---|---|---|---|---|---|---|
| Year | Total | Total[b] | Douglas-fir[c] | Port-Orford-cedar[c] | Western hemlock[c] | Other | Total[b] | Walnut[c] | Other |
| 1965 | 1,195.0 | 1,113.6 | 111.3 | 39.1 | [d] | 963.2 | 81.4 | 23.6 | 57.8 |
| 1966 | 1,391.2 | 1,315.7 | 130.5 | 41.2 | [d] | 1,144.0 | 75.5 | 12.5 | 63.0 |
| 1967 | 1,972.1 | 1,875.1 | 269.5 | 34.6 | [d] | 1,571.0 | 97.0 | 16.1 | 80.9 |
| 1968 | 2,568.1 | 2,473.2 | 396.5 | 38.4 | [d] | 2,038.3 | 94.9 | 21.8 | 73.1 |
| 1969 | 2,396.5 | 2,316.3 | 380.6 | 40.7 | [d] | 1,895.0 | 80.2 | 20.6 | 59.6 |
| 1970 | 2,740.9 | 2,672.0 | 487.0 | 54.1 | 1,436.7 | 694.2 | 68.9 | 17.4 | 51.5 |
| 1971 | 2,288.8 | 2,229.8 | 444.5 | 40.2 | 1,214.8 | 530.3 | 59.0 | 12.9 | 46.1 |
| 1972 | 3,141.4 | 3,047.5 | 766.5 | 46.1 | 1,450.7 | 784.2 | 93.9 | 15.5 | 78.4 |
| 1973 | 3,366.1 | 3,252.2 | 973.0 | 29.7 | 1,469.0 | 780.5 | 113.9 | 15.7 | 98.2 |
| 1974 | 2,642.4 | 2,523.7 | 752.7 | 35.6 | 1,244.6 | 490.8 | 118.7 | 7.8 | 110.9 |
| 1975 | 2,666.9 | 2,600.6 | 820.4 | 38.7 | 1,169.5 | 572.0 | 66.3 | 8.5 | 57.8 |
| 1976 | 3,250.0 | 3,155.7 | 1,022.4 | 38.4 | 1,365.7 | 729.2 | 94.3 | 7.4 | 86.9 |
| 1977 | 3,069.7 | 2,980.0 | 1,007.2 | 20.7 | 1,306.8 | 645.3 | 89.7 | 7.6 | 82.1 |
| 1978 | 3,409.2 | 3,298.4 | 1,192.2 | 29.2 | 1,443.6 | 633.4 | 110.8 | 8.8 | 102.0 |
| 1979 | 3,897.0 | 3,768.2 | 1,351.0 | 24.6 | 1,593.7 | 799.0 | 128.8 | 6.8 | 122.0 |
| 1980 | 3,260.9 | 3,109.1 | 1,272.4 | 14.0 | 1,183.1 | 639.6 | 151.8 | 9.4 | 142.4 |
| 1981 | 2,534.2 | 2,377.1 | 1,026.9 | 16.9 | 867.5 | 465.8 | 157.1 | 7.7 | 149.5 |
| 1982 | 3,208.1 | 3,115.0 | 1,446.5 | 12.4 | 1,124.9 | 531.2 | 93.2 | 4.7 | 88.4 |
| 1983 | 3,502.1 | 3,390.6 | 1,616.4 | 9.5 | 1,147.5 | 617.3 | 111.5 | 4.6 | 106.9 |
| 1984 | 3,494.9 | 3,369.4 | 1,588.5 | 13.0 | 1,120.0 | 647.9 | 125.6 | 5.5 | 120.0 |
| 1985 | 3,843.2 | 3,732.0 | 1,785.5 | 14.8 | 1,304.7 | 626.9 | 111.2 | 5.5 | 105.7 |
| 1986 | 3,655.6 | 3,516.0 | 1,625.8 | 13.4 | 1,246.3 | 630.5 | 139.7 | 5.6 | 134.0 |
| 1987 | 4,109.2 | 3,959.9 | 1,864.8 | 12.7 | 1,385.3 | 697.1 | 149.3 | 6.2 | 143.1 |
| 1988 | 4,798.1 | 4,594.4 | 2,311.2 | 19.8 | 1,435.5 | 827.9 | 203.7 | 8.0 | 195.7 |
| 1989 | 4,706.0 | 4,492.7 | 2,064.2 | 13.8 | 1,611.8 | 802.9 | 213.3 | 13.7 | 199.6 |
| 1990 | 4,213.1 | 3,993.6 | 1,891.7 | 11.0 | 1,193.7 | 897.1 | 219.5 | 13.6 | 205.9 |
| 1991 | 3,761.0 | 3,477.7 | 1,608.7 | 9.3 | 1,049.0 | 810.8 | 283.3 | 11.6 | 271.7 |
| 1992 | 3,278.8 | 3,054.8 | 1,402.9 | 10.3 | 890.3 | 751.3 | 224.0 | 12.4 | 211.6 |
| 1993 | 2,876.4 | 2,639.2 | 1,186.6 | 4.2 | 673.5 | 774.9 | 237.1 | 9.4 | 227.7 |
| 1994 | 2,683.6 | 2,419.7 | 1,174.9 | 4.1 | 535.3 | 705.4 | 263.8 | 11.2 | 252.6 |
| 1995 | 2,820.0 | 2,552.1 | 1,128.2 | 2.3 | 660.7 | 760.9 | 267.9 | 7.6 | 260.3 |
| 1996 | 2,635.7 | 2,382.4 | 1,214.8 | 2.3 | 486.2 | 679.1 | 253.3 | 6.1 | 247.2 |
| 1997 | 2,398.0 | 2,078.0 | 808.3 | 2.9 | 419.5 | 847.3 | 320.0 | 6.4 | 313.6 |
| 1998 | 1,977.8 | 1,646.2 | 732.1 | 0.7 | 175.1 | 738.3 | 331.5 | 7.3 | 324.2 |
| 1999 | 2,038.2 | 1,665.1 | 672.7 | 1.1 | 222.2 | 769.1 | 373.1 | 8.0 | 365.1 |
| 2000 | 2,638.3 | 2,065.8 | 674.1 | 0.9 | 186.1 | 1,204.8 | 572.5 | 11.4 | 561.2 |
| 2001 | 2,519.2 | 1,921.0 | 555.3 | 0.4 | 155.3 | 1,210.0 | 598.2 | 13.1 | 585.1 |
| 2002 | 2,428.5 | 1,744.9 | 535.0 | 0.7 | 121.6 | 1,087.7 | 683.6 | 17.8 | 665.8 |

[a]Prior to 2000, pulpwood logs are not included in logs.

[b]American Forest and Paper Association 1965-1999 (4); U.S. International Trade Commission 2000-present (81).

[c]U.S. International Trade Commission (81).

Data may not add to totals because of rounding.

[d]Western hemlock is included in Other.

**Table 19—Log exports by major region of destination, 1965–2002**
**(million board feet, Scribner log scale)[a,b]**

| Year | Total | Canada | European Union[c] | Japan | South Korea | China | Other |
|---|---|---|---|---|---|---|---|
| 1965 | 1,195.0 | 355.1 | 29.4 | 804.4 | 2.8 | [d] | 3.3 |
| 1966 | 1,391.2 | 266.1 | 17.2 | 1,081.4 | 25.2 | [d] | 1.3 |
| 1967 | 1,972.1 | 335.5 | 20.5 | 1,585.5 | 29.9 | [d] | 0.7 |
| 1968 | 2,568.1 | 341.8 | 28.7 | 2,119.2 | 75.1 | [d] | 3.3 |
| 1969 | 2,396.5 | 324.6 | 29.6 | 2,007.3 | 32.2 | [d] | 2.8 |
| 1970 | 2,740.9 | 291.8 | 23.1 | 2,366.1 | 48.2 | [d] | 11.7 |
| 1971 | 2,288.8 | 339.9 | 20.5 | 1,847.1 | 73.9 | [d] | 7.4 |
| 1972 | 3,141.4 | 519.1 | 31.9 | 2,528.0 | 53.8 | [d] | 8.6 |
| 1973 | 3,366.1 | 417.8 | 41.5 | 2,779.5 | 113.7 | [d] | 13.6 |
| 1974 | 2,642.4 | 332.3 | 39.1 | 2,114.2 | 149.2 | [d] | 7.6 |
| 1975 | 2,666.9 | 277.6 | 35.3 | 2,256.4 | 86.4 | [d] | 11.2 |
| 1976 | 3,250.0 | 362.5 | 48.6 | 2,675.1 | 150.5 | [d] | 13.3 |
| 1977 | 3,069.7 | 350.0 | 46.0 | 2,460.1 | 203.3 | [d] | 10.3 |
| 1978 | 3,409.2 | 368.5 | 57.5 | 2,646.1 | 321.8 | [d] | 15.3 |
| 1979 | 3,897.0 | 407.6 | 65.4 | 3,149.1 | 258.9 | [d] | 16.0 |
| 1980 | 3,260.9 | 317.8 | 90.4 | 2,544.2 | 201.7 | 87.8 | 19.0 |
| 1981 | 2,534.2 | 247.4 | 56.1 | 1,774.2 | 151.6 | 222.4 | 82.5 |
| 1982 | 3,208.1 | 302.5 | 47.8 | 1,978.7 | 277.7 | 547.0 | 54.4 |
| 1983 | 3,502.1 | 347.1 | 57.4 | 2,028.0 | 320.9 | 723.2 | 25.6 |
| 1984 | 3,494.9 | 421.2 | 52.6 | 1,759.8 | 289.1 | 866.6 | 105.7 |
| 1985 | 3,843.2 | 445.4 | 39.1 | 1,899.1 | 327.5 | 1,069.0 | 63.1 |
| 1986 | 3,655.6 | 450.0 | 76.7 | 2,089.4 | 364.5 | 615.4 | 59.6 |
| 1987 | 4,109.2 | 421.4 | 62.6 | 2,397.2 | 492.5 | 579.3 | 156.3 |
| 1988 | 4,798.1 | 378.9 | 78.8 | 2,415.6 | 612.0 | 1,121.4 | 191.4 |
| 1989 | 4,706.0 | 272.7 | 93.6 | 2,992.7 | 761.5 | 454.3 | 131.2 |
| 1990 | 4,213.1 | 395.8 | 69.2 | 2,626.2 | 619.2 | 361.9 | 140.8 |
| 1991 | 3,761.0 | 423.6 | 53.4 | 2,126.8 | 624.7 | 371.8 | 160.8 |
| 1992 | 3,278.8 | 415.0 | 44.2 | 2,043.0 | 416.6 | 236.9 | 123.1 |
| 1993 | 2,876.4 | 389.9 | 41.1 | 1,881.9 | 303.1 | 131.3 | 129.1 |
| 1994 | 2,683.6 | 435.1 | 56.8 | 1,821.6 | 206.1 | 75.0 | 89.0 |
| 1995 | 2,820.0 | 715.7 | 47.5 | 1,728.3 | 235.2 | 20.2 | 73.1 |
| 1996 | 2,635.7 | 518.0 | 32.1 | 1,807.5 | 200.3 | 15.9 | 61.9 |
| 1997 | 2,398.0 | 711.0 | 42.1 | 1,347.7 | 205.6 | 18.2 | 73.4 |
| 1998 | 1,977.8 | 778.5 | 47.1 | 1,004.0 | 61.9 | 17.8 | 68.5 |
| 1999 | 2,038.2 | 787.8 | 48.2 | 998.3 | 130.1 | 7.8 | 66.1 |
| 2000 | 2,638.3 | 1,349.6 | 117.7 | 934.1 | 137.3 | 21.5 | 78.2 |
| 2001 | 2,519.2 | 1,453.9 | 78.0 | 745.7 | 129.6 | 29.5 | 82.5 |
| 2002 | 2,428.5 | 1,362.2 | 58.1 | 676.0 | 136.8 | 45.0 | 150.4 |

[a]U.S. International Trade Commission (81). Data may not add to totals because of rounding.
[b]Prior to 2000, pulpwood logs are not included in logs.
[c]European Union includes Austria, Belguim–Luxembourg, Denmark, Finland, France, Germany, Greece, Ireland, Italy, the Netherlands, Portugal, Spain, Sweden, and UK.
[d]Fewer than 50,000 board feet.

**Table 20—Average stumpage prices for sawtimber sold from National Forests, by selected species, 1965–2002 (dollars per thousand board feet)[a]**

| Year | Softwoods | | | | | | | | Hardwoods | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Douglas-fir[b] | | Southern pine[c] | | Ponderosa pine[d] | | Western hemlock[e] | | All eastern hardwoods[f] | | Oak white, red, and black | | Sugar maple[g] | |
| | *Current dollars* | *1997 dollars* | *Current dollars* | *1997 dollars* | *Current dollars* | *1997 dollars* | *Current dollars* | *1997 dollars* | *Current dollars* | *1997 dollars* | *Current dollars* | *1997 dollars* | *Current dollars* | *1997 dollars* |
| 1965 | 42.6 | 167.9 | 31.7 | 124.9 | 19.8 | 78.0 | 19.1 | 75.3 | 25.0 | 98.5 | 21.3 | 84.0 | z | z |
| 1966 | 50.0 | 191.5 | 38.6 | 147.9 | 19.8 | 75.8 | 20.5 | 78.5 | 29.3 | 112.2 | 23.2 | 88.9 | z | z |
| 1967 | 41.7 | 159.2 | 38.3 | 146.2 | 22.2 | 84.7 | 21.8 | 83.2 | 27.0 | 103.1 | 16.8 | 64.1 | z | z |
| 1968 | 61.2 | 228.0 | 42.2 | 157.2 | 30.2 | 112.5 | 35.6 | 132.6 | 23.6 | 87.9 | 17.3 | 64.4 | z | z |
| 1969 | 82.2 | 294.1 | 51.7 | 185.0 | 71.0 | 254.1 | 45.1 | 161.4 | 30.2 | 108.1 | 28.2 | 100.9 | z | z |
| 1970 | 41.9 | 144.7 | 44.1 | 152.3 | 32.1 | 110.9 | 20.5 | 70.8 | 26.9 | 92.9 | 26.6 | 91.9 | z | z |
| 1971 | 49.0 | 164.0 | 52.2 | 174.7 | 37.6 | 125.9 | 20.6 | 69.0 | 24.6 | 82.3 | 21.2 | 71.0 | z | z |
| 1972 | 71.7 | 229.4 | 65.6 | 209.9 | 65.8 | 210.5 | 49.0 | 156.8 | 34.3 | 109.7 | 26.6 | 85.1 | z | z |
| 1973 | 138.1 | 391.2 | 93.4 | 264.6 | 92.3 | 261.5 | 99.2 | 281.0 | 46.0 | 130.3 | 43.6 | 123.5 | 93.6 | 265.2 |
| 1974 | 202.4 | 482.8 | 76.2 | 181.8 | 100.6 | 240.0 | 110.8 | 264.3 | 45.9 | 109.5 | 54.7 | 130.5 | 75.9 | 181.1 |
| 1975 | 169.5 | 370.3 | 57.0 | 124.5 | 71.2 | 155.5 | 68.8 | 150.3 | 33.9 | 74.1 | 29.7 | 64.9 | 42.1 | 92.0 |
| 1976 | 176.2 | 367.9 | 87.0 | 181.7 | 101.8 | 212.6 | 79.7 | 166.4 | 34.9 | 72.9 | 43.4 | 90.6 | 27.7 | 57.8 |
| 1977 | 225.9 | 443.6 | 100.3 | 196.9 | 131.4 | 258.0 | 89.3 | 175.3 | 37.9 | 74.4 | 60.0 | 117.8 | 47.4 | 93.1 |
| 1978 | 250.3 | 456.8 | 134.5 | 245.5 | 164.7 | 300.6 | 113.6 | 207.3 | 41.1 | 75.0 | 59.2 | 108.1 | 60.5 | 110.4 |
| 1979 | 394.4 | 638.4 | 155.2 | 251.2 | 239.0 | 386.9 | 200.8 | 325.1 | 46.8 | 75.8 | 68.8 | 111.4 | 68.9 | 111.5 |
| 1980 | 432.2 | 613.8 | 155.4 | 220.7 | 206.1 | 292.7 | 212.7 | 302.1 | 52.4 | 74.4 | 65.6 | 93.2 | 70.1 | 99.6 |
| 1981 | 350.2 | 455.7 | 172.0 | 223.8 | 195.2 | 254.0 | 163.4 | 212.6 | 50.9 | 66.2 | 63.2 | 82.2 | 67.8 | 88.2 |
| 1982 | 118.2 | 150.7 | 127.2 | 162.2 | 66.9 | 85.3 | 44.5 | 56.8 | 56.4 | 71.9 | 70.8 | 90.3 | 71.1 | 90.7 |
| 1983 | 161.6 | 203.5 | 140.6 | 177.0 | 104.0 | 130.9 | 62.2 | 78.3 | 60.1 | 75.7 | 87.9 | 110.7 | 55.1 | 69.4 |
| 1984 | 132.9 | 163.4 | 139.4 | 171.3 | 122.7 | 150.8 | 61.8 | 76.0 | 90.1 | 110.7 | 145.0 | 178.2 | 80.5 | 98.9 |
| 1985 | 126.2 | 155.8 | 90.7 | 112.0 | 101.4 | 125.2 | 50.5 | 62.4 | 65.4 | 80.8 | 94.5 | 116.7 | 70.0 | 86.4 |
| 1986 | 160.7 | 204.5 | 103.6 | 131.8 | 156.6 | 199.2 | 74.7 | 95.0 | 69.9 | 88.9 | 108.1 | 137.5 | 66.2 | 84.2 |
| 1987 | 190.2 | 235.9 | 135.7 | 168.3 | 209.3 | 259.6 | 105.4 | 130.7 | 88.1 | 109.3 | 146.8 | 182.1 | 80.5 | 99.9 |
| 1988 | 256.0 | 305.4 | 141.9 | 169.3 | 182.1 | 217.2 | 162.9 | 194.3 | 151.3 | 180.5 | 146.3 | 174.5 | 108.4 | 129.3 |
| 1989 | 389.8 | 443.1 | 313.4 | 356.2 | 292.0 | 331.9 | 223.3 | 253.8 | 135.8 | 154.4 | 178.9 | 203.4 | 128.6 | 146.2 |
| 1990 | 466.4 | 511.5 | 126.7 | 138.9 | 252.2 | 276.6 | 203.0 | 222.6 | 146.1 | 160.2 | 188.3 | 206.5 | 135.3 | 148.4 |
| 1991 | 395.0 | 432.3 | 166.1 | 181.8 | 237.6 | 260.0 | 164.1 | 179.6 | 160.1 | 175.2 | 163.6 | 179.0 | 120.7 | 132.1 |
| 1992 | 477.2 | 519.1 | 198.4 | 215.8 | 292.3 | 318.0 | 164.6 | 179.1 | 166.6 | 181.2 | 211.2 | 229.7 | 144.6 | 157.3 |
| 1993 | 317.8 | 340.6 | 217.2 | 232.8 | 535.2 | 573.6 | 363.7 | 389.8 | 264.1 | 283.0 | 194.6 | 208.6 | 219.5 | 235.2 |
| 1994 | 652.4 | 691.0 | 265.9 | 281.6 | 291.4 | 308.6 | 334.8 | 354.6 | 352.1 | 373.0 | 317.4 | 336.2 | 313.4 | 332.0 |
| 1995 | 453.5 | 463.7 | 248.5 | 254.1 | 149.9 | 153.3 | 297.1 | 303.8 | 313.9 | 320.9 | 296.6 | 303.2 | 285.6 | 292.0 |
| 1996 | 453.0 | 452.1 | 251.1 | 250.5 | 270.0 | 269.4 | 289.3 | 288.7 | 312.6 | 311.9 | 264.4 | 263.9 | 213.2 | 212.8 |
| 1997 | 331.4 | 331.3 | 307.3 | 307.2 | 270.2 | 270.2 | 211.3 | 211.3 | 286.9 | 286.9 | 264.5 | 264.5 | 357.1 | 357.1 |
| 1998 | 254.2 | 250.5 | 287.8 | 283.6 | 204.9 | 201.9 | 161.4 | 159.0 | 240.9 | 237.4 | 270.2 | 266.2 | 394.8 | 389.0 |
| 1999 | 314.7 | 284.8 | 268.5 | 243.0 | 181.0 | 163.8 | 95.7 | 86.6 | 195.1 | 176.6 | 317.4 | 287.2 | 448.1 | 405.5 |
| 2000 | 433.4 | 355.3 | 258.1 | 211.6 | 154.6 | 126.8 | 46.1 | 37.8 | 368.6 | 302.2 | 265.6 | 217.8 | 445.8 | 365.4 |
| 2001 | 255.4 | 207.0 | 153.5 | 124.4 | 115.5 | 93.6 | 34.0 | 27.5 | 530.5 | 430.0 | 326.4 | 264.6 | 587.2 | 476.0 |
| 2002 | 184.8 | 153.4 | 166.4 | 138.1 | 117.8 | 97.7 | 73.2 | 60.7 | 382.0 | 317.0 | 273.8 | 227.1 | 485.0 | 402.4 |

[a]U.S. Department of Agriculture, Forest Service (43,49). Forest Service National Forest prices in this table are for timber sold on a Scribner Decimal C log rule basis, except in the Northeastern states where International 1/4-in. log rule is used. Prices include KV payments and exclude timber sold by land exchanges and from land utilization project lands. Data for the years 1965 to 1983 are statistical high bid prices. Data from 1984 to April 1999 are high bid prices that include specified road costs. After April 1999, it no longer included specific road costs. 1997 dollars derived by dividing the price in current dollars by the Bureau of Labor Statistics producer price index for all commodities (1997 = 100).

[b]Western Washington and western Oregon.

[c]Southern Region.

[d]Pacific Southwest Region (prior to January 1979 called the California Region); Includes Jeffrey pine.

[e]Pacific Northwest Region.

[f]Eastern and Southern Regions.

[g]Eastern Region.

[z]Not Available.

**Table 21—Volume and value of sawtimber stumpage sold from National Forests, by selected species and region, 2002[a]**

| Species and region[b] | Volume[c] | Value[d] | Average price per thousand board feet |
|---|---|---|---|
| | *Thousand board feet* | *Thousand dollars* | *Dollars* |
| SOFTWOODS, WESTERN | | | |
| Cedar | | | |
| Alaska cedar: | | | |
| Pacific Northwest [6] | 0 | 0.0 | 0.00 |
| Alaska [10] | 3,072 | 195.9 | 63.76 |
| Total | 3,072 | 195.9 | 63.76 |
| Incense cedar: | | | |
| Pacific Southwest [5] | 6,967 | 458.9 | 65.87 |
| Pacific Northwest [6] | 0 | 0.1 | 252.15 |
| Total | 6,968 | 459.0 | 65.88 |
| Port-Orford-cedar: | | | |
| Pacific Southwest [5] | 0 | 0.0 | 0.00 |
| Pacific Northwest [6] | 96 | 149.6 | 1,557.45 |
| Total | 96 | 149.6 | 1,557.45 |
| Western redcedar: | | | |
| Northern [1] | 3,395 | 1,414.3 | 416.58 |
| Pacific Northwest [6] | 993 | 239.6 | 241.27 |
| Alaska [10] | 641 | 31.0 | 48.43 |
| Total | 5,029 | 1,684.9 | 335.05 |
| Douglas-fir | | | |
| East side: | | | |
| Northern [1] | 81,401 | 8,161.8 | 100.27 |
| Rocky Mountain [2] | 221 | 19.8 | 89.74 |
| Southwestern [3] | 1,211 | 15.8 | 13.09 |
| Intermountain [4] | 14,190 | 1,193.2 | 84.09 |
| Pacific Northwest [6] | 95,749 | 17,193.8 | 179.57 |
| Total | 192,772 | 26,584.5 | 137.91 |
| West side: | | | |
| Pacific Southwest [5] | 6,866 | 787.5 | 114.69 |
| Pacific Northwest [6] | 12,838 | 2,372.9 | 184.83 |
| Total | 19,705 | 3,160.4 | 160.39 |
| Fir | | | |
| Grand fir: | | | |
| Northern [1] | 9,743 | 891.4 | 91.50 |
| Intermountain [4] | 2,469 | 72.2 | 29.24 |
| Pacific Northwest [6] | 4,200 | 95.0 | 22.63 |
| Total | 16,412 | 1,058.6 | 64.51 |
| Noble fir: | | | |
| Pacific Northwest [6] | 307 | 3.1 | 10.00 |
| Shasta fir: | | | |
| Pacific Northwest [6] | 0 | 0.0 | 0.00 |
| Subalpine fir: | | | |
| Northern [1] | 7,040 | 892.3 | 126.75 |
| Rocky Mountain [2] | 1 | 0.2 | 158.83 |
| Southwestern [3] | 0 | 0.0 | 0.00 |
| Intermountain [4] | 523 | 43.0 | 82.38 |
| Pacific Northwest [6] | 139 | 1.5 | 10.43 |
| Total | 7,703 | 937.0 | 121.65 |
| White fir: | | | |
| Rocky Mountain [2] | 5 | 0.2 | 37.02 |
| Intermountain [4] | 0 | 0.0 | 0.00 |
| Pacific Northwest [6] | 18,035 | 1,222.0 | 67.76 |
| Total | 18,040 | 1,222.2 | 67.75 |

| Species and region | Volume | Value | Average price per thousand board feet |
|---|---|---|---|
| | *Thousand board feet* | *Thousand dollars* | *Dollars* |
| SOFTWOODS, WESTERN—*Con.* | | | |
| Fir—*Con.* | | | |
| True fir: | | | |
| Rocky Mountain [2] | 1,655 | 105.6 | 63.79 |
| Southwestern [3] | 4,474 | 46.0 | 10.27 |
| Pacific Southwest [5] | 51,904 | 3,349.7 | 64.54 |
| Pacific Northwest [6] | 373 | 18.9 | 50.54 |
| Total | 58,406 | 3,520.1 | 60.27 |
| Hemlock | | | |
| Mountain hemlock: | | | |
| Pacific Northwest [6] | 957 | 9.6 | 10.00 |
| Western hemlock: | | | |
| Northern [1] | 1,301 | 196.9 | 151.36 |
| Pacific Northwest [6] | 12,719 | 930.9 | 73.19 |
| Alaska [10] | 12,782 | 18.4 | 1.44 |
| Total | 26,802 | 1,146.2 | 42.76 |
| Western larch | | | |
| Northern [1] | 8,169 | 912.2 | 111.67 |
| Intermountain [4] | 0 | 0.0 | 0.00 |
| Pacific Northwest [6] | 4,234 | 760.0 | 179.49 |
| Total | 12,403 | 1,672.2 | 291.16 |
| Pine | | | |
| Lodgepole pine: | | | |
| Northern [1] | 41,235 | 3,801.1 | 92.18 |
| Rocky Mountain [2] | 15,656 | 1,775.1 | 113.38 |
| Intermountain [4] | 3,094 | 641.5 | 207.34 |
| Pacific Southwest [5] | 784 | 47.9 | 61.19 |
| Pacific Northwest [6] | 30,371 | 3,938.8 | 129.69 |
| Total | 91,140 | 10,204.4 | 111.96 |
| Ponderosa pine[e]: | | | |
| Northern [1] | 5,184 | 169.4 | 32.67 |
| Rocky Mountain [2] | 49,704 | 6,674.9 | 134.29 |
| Southwestern [3] | 10,155 | 256.4 | 25.25 |
| Intermountain [4] | 7,226 | 560.1 | 77.51 |
| Pacific Southwest [5] | 33,918 | 3,994.0 | 117.75 |
| Pacific Northwest [6] | 20,548 | 1,900.3 | 92.48 |
| Total | 126,733 | 13,554.9 | 106.96 |
| Sugar pine: | | | |
| Pacific Southwest [5] | 4,274 | 891.8 | 208.64 |
| Pacific Northwest [6] | 0 | 0.0 | 0.00 |
| Total | 4,274 | 891.8 | 208.64 |
| Western white pine: | | | |
| Northern [1] | 982 | 239.5 | 243.94 |
| Southwestern [3] | 7 | 0.4 | 59.49 |
| Pacific Southwest [5] | 0 | 0.0 | 0.00 |
| Pacific Northwest [6] | 19 | 0.2 | 10.00 |
| Total | 1,008 | 240.1 | 238.24 |
| Pine not specified by species: | | | |
| Northern [1] | 0 | 0.0 | 0.00 |
| Southwestern [3] | 0 | 0.0 | 0.00 |
| Total | 0 | 0.0 | 0.00 |
| Spruce | | | |
| Black, red, and white spruce | | | |
| Alaska [10] | 8 | 0.1 | 16.53 |

**Table 21—Volume and value of sawtimber stumpage sold from National Forests, by selected species and region, 2002[a]—con.**

| Species and region[b] | Volume[c] *Thousand board feet* | Value[d] *Thousand dollars* | Average price per thousand board feet *Dollars* |
|---|---|---|---|
| SOFTWOODS, WESTERN—*Con.* | | | |
| Spruce—*Con.* | | | |
| Engelmann spruce: | | | |
| Northern [1] | 13,420 | 1,524.8 | 113.62 |
| Rocky Mountain [2] | 6,029 | 460.8 | 76.44 |
| Southwestern [3] | 1,732 | 324.2 | 187.15 |
| Intermountain [4] | 1,578 | 282.4 | 178.91 |
| Pacific Northwest [6] | 136 | 70.9 | 520.48 |
| Total | 22,895 | 2,663.0 | 116.31 |
| Sitka spruce: | | | |
| Pacific Northwest [6] | 49 | 8.1 | 163.84 |
| Alaska [10] | 6,123 | 332.6 | 54.32 |
| Total | 6,172 | 340.7 | 55.20 |
| Softwoods not specified by species: | | | |
| Rocky Mountain [2] | 2,960 | 152.8 | 51.61 |
| Intermountain [4] | 4,701 | 527.6 | 112.23 |
| Pacific Southwest [5] | 6,271 | 288.2 | 45.96 |
| Pacific Northwest [6] | 15,338 | 5,773.2 | 376.40 |
| Alaska [10] | 1 | 0.0 | 65.80 |
| Total | 29,270 | 6,742 | 230 |
| Total, western softwoods | 650,171 | 76,439.9 | 117.57 |
| SOFTWOODS, EASTERN | | | |
| Cedar | | | |
| Southern [8] | 25 | 1.8 | 72.36 |
| Eastern [9] | 4 | 0.1 | 27.78 |
| Total | 29 | 1.9 | 66.59 |
| Cypress | | | |
| Southern [8] | 0 | 0.6 | 2,583.42 |
| Fir | | | |
| True fir: | | | |
| Eastern [9] | 131 | 2.5 | 19.36 |
| Hemlock | | | |
| Eastern hemlock: | | | |
| Southern [8] | 98 | 4.7 | 48.40 |
| Eastern [9] | 16 | 0.4 | 26.45 |
| Total | 114 | 5.2 | 45.34 |
| Pine | | | |
| Eastern white pine: | | | |
| Southern [8] | 4,252 | 317.2 | 74.60 |
| Eastern [9] | 363 | 33.5 | 92.14 |
| Total | 4,616 | 350.7 | 75.98 |
| Jack pine: | | | |
| Eastern [9] | 1,752 | 163.5 | 93.37 |
| Red pine: | | | |
| Eastern [9] | 10,775 | 1,652.6 | 153.38 |
| Red and white eastern pine: | | | |
| Eastern [9] | 6,400 | 1,175.2 | 183.64 |
| Southern pine: | | | |
| Southern [8] | 103,077 | 17,152.2 | 166.40 |
| Eastern [9] | 8,847 | 302.4 | 34.18 |
| Total | 111,924 | 17,454.6 | 155.95 |
| Virginia pine: | | | |
| Southern [8] | 63 | 0.6 | 10.00 |
| Pine not specified by species: | | | |
| Eastern [9] | 3,595 | 561.4 | 156.16 |
| Spruce | | | |
| Black, red, and white spruce: | | | |
| Eastern [9] | 1,948 | 186.8 | 95.92 |
| SOFTWOODS, EASTERN—*Con.* | | | |
| Softwoods not specified by species: | | | |
| Southern [8] | 13 | 0.2 | 14.47 |
| Eastern [9] | 555 | 31.0 | 55.85 |
| Total | 568 | 31.2 | 54.91 |
| Total, eastern softwoods | 141,913 | 21,586.9 | 152.11 |
| Total, softwoods | 792,083 | 98,026.9 | 123.76 |
| HARDWOODS, WESTERN | | | |
| Alder | | | |
| Pacific Northwest [6] | 166 | 13.5 | 81.65 |
| Aspen | | | |
| Rocky Mountain [2] | 0 | 0.0 | 0.00 |
| Southwestern [3] | 6 | 0.0 | 5.05 |
| Intermountain [4] | 634 | 14.3 | 22.63 |
| Total | 640 | 14.4 | 22.46 |
| Hardwoods not specified by species: | | | |
| Rocky Mountain [2] | 0 | 0.0 | 0.00 |
| Pacific Southwest [5] | 29 | 0.1 | 3.41 |
| Pacific Northwest [6] | 0 | 0.0 | 0.00 |
| Total | 29 | 0.1 | 3.41 |
| Total, western hardwoods | 835 | 28.0 | 33.55 |
| HARDWOODS, EASTERN | | | |
| Ash | | | |
| Southern [8] | 28 | 3.5 | 128.88 |
| Eastern [9] | 279 | 23.3 | 83.67 |
| Total | 306 | 26.8 | 87.73 |
| Aspen | | | |
| Eastern [9] | 3,160 | 181.6 | 57.47 |
| Basswood | | | |
| Southern [8] | 0 | 0.0 | 0.00 |
| Eastern [9] | 779 | 16.4 | 20.99 |
| Total | 779 | 16.4 | 20.99 |
| Beech | | | |
| Eastern [9] | 673 | 28.0 | 41.50 |
| Birch | | | |
| Paper birch: | | | |
| Eastern [9] | 612 | 57.6 | 94.07 |
| Yellow birch: | | | |
| Eastern [9] | 1,459 | 362.2 | 248.33 |
| Cherry | | | |
| Black cherry: | | | |
| Southern [8] | 0 | 0.0 | 346.25 |
| Eastern [9] | 8,961 | 19,388.4 | 2,163.64 |
| Total | 8,961 | 19,388.4 | 2,163.62 |
| Maple | | | |
| Red maple: | | | |
| Southern [8] | 13 | 1.6 | 129.84 |
| Eastern [9] | 4,181 | 668.4 | 159.88 |
| Total | 4,193 | 670.1 | 159.79 |
| Sugar maple: | | | |
| Southern [8] | 0 | 0.0 | 0.00 |
| Eastern [9] | 5,033 | 2,440.7 | 484.97 |
| Total | 5,033 | 2,440.7 | 484.97 |
| Maple not specified by species: | | | |
| Southern [8] | 0 | 0.0 | 0.00 |
| Eastern [9] | 0 | 0.0 | 0.00 |
| Total | 0 | 0.0 | 0.00 |

**Table 21—Volume and value of sawtimber stumpage sold from National Forests, by selected species and region, 2002[a]—con.**

| Species and region[b] | Volume[c] *Thousand board feet* | Value[d] *Thousand dollars* | Average price per thousand board feet *Dollars* |
|---|---|---|---|
| HARDWOODS, EASTERN—*Con.* | | | |
| Oak | | | |
| Chestnut oak: | | | |
| Southern [8] | 751 | 81.9 | 108.96 |
| Eastern [9] | 868 | 7.2 | 8.35 |
| Total | 1,619 | 89.1 | 55.04 |
| Red and black oak: | | | |
| Southern [8] | 2,940 | 877.4 | 298.40 |
| Eastern [9] | 2,342 | 718.9 | 306.99 |
| Total | 5,282 | 1,596.4 | 302.21 |
| Scarlet oak: | | | |
| Southern [8] | 295 | 47.8 | 161.93 |
| Eastern [9] | 313 | 1.9 | 6.00 |
| Total | 608 | 49.7 | 81.75 |
| White oak: | | | |
| Southern [8] | 410 | 88.3 | 215.10 |
| Eastern [9] | 521 | 16.4 | 31.43 |
| Total | 932 | 104.7 | 112.32 |
| Oak not specified by species: | | | |
| Southern [8] | 1,752 | 166.6 | 95.08 |
| Eastern [9] | 22,960 | 2,418.5 | 105.34 |
| Total | 24,712 | 2,585.1 | 104.61 |
| Poplar | | | |
| Yellow poplar: | | | |
| Southern [8] | 1,331 | 250.2 | 188.05 |
| Eastern [9] | 3,516 | 228.9 | 65.11 |
| Total | 4,846 | 479.1 | 98.86 |
| Yellow poplar, basswood and cucumber: | | | |
| Southern [8] | 290 | 47.2 | 163.07 |
| Hardwoods not specified by species: | | | |
| Southern [8] | 8,986 | 590.8 | 65.75 |
| Eastern [9] | 4,949 | 855.7 | 172.93 |
| Total | 13,935 | 1,446.6 | 103.81 |
| Total, eastern hardwoods | 77,400 | 29,569.6 | 382.04 |
| Total, hardwoods | 78,235 | 29,597.6 | 378.32 |
| Total, softwoods and hardwoods | 870,318 | 127,624.5 | 146.64 |

[a]U.S. Department of Agriculture, Forest Service (49); Data may not add to totals because of rounding; The stumpage prices shown in this table do not necessarily indicate values for any specific tract of public or private timber, and prices received for individual tracts may vary widely because of differences in timber quality, degree of competition timber accessibility, variations in special costs, methods of allocating overhead costs by species, or other factors; Excludes pulpwood and miscellaneous products and also excludes timber sold by land exchanges and from land in utilization projects.

[b]Administrative regions of the Forest Service. Regions 1–6, 8–10 indicated by superscript.

[c]Scribner Decimal C log rule except in the Northeastern states timber where international 1/4-in. log rule is used.

[d]High bid prices, which include specified road costs KV payments.

[e]Includes small amounts of Jeffrey pine.

**Table 22—Average stumpage prices for sawtimber sold from private lands in Louisiana, by selected species, 1965–2002 (dollars per thousand board feet, Doyle log scale)[a]**

| Year | Southern pine | | Ash | | Gums | | Oaks | |
|---|---|---|---|---|---|---|---|---|
| | Current dollars | 1997 dollars[b] | Current dollars | 1997 dollars | Current dollars | 1997 dollars | Current dollars | 1997 dollars |
| 1965 | 28.40 | 111.94 | 22.60 | 89.08 | 17.50 | 68.97 | 16.20 | 63.85 |
| 1966 | 34.30 | 131.38 | 23.00 | 88.10 | 19.50 | 74.69 | 17.90 | 68.56 |
| 1967 | 36.80 | 140.46 | 23.30 | 88.93 | 19.50 | 74.43 | 17.70 | 67.56 |
| 1968 | 40.70 | 151.62 | 25.60 | 95.37 | 20.00 | 74.51 | 19.00 | 70.78 |
| 1969 | 50.10 | 179.28 | 31.80 | 113.79 | 22.60 | 80.87 | 21.50 | 76.93 |
| 1970 | 46.40 | 160.24 | 28.10 | 97.04 | 21.00 | 72.52 | 20.40 | 70.45 |
| 1971 | 56.00 | 187.44 | 26.60 | 89.03 | 21.90 | 73.30 | 20.80 | 69.62 |
| 1972 | 66.30 | 212.12 | 28.50 | 91.18 | 23.80 | 76.15 | 23.10 | 73.91 |
| 1973 | 84.20 | 238.53 | 41.50 | 117.56 | 32.30 | 91.50 | 30.20 | 85.55 |
| 1974 | 90.90 | 216.85 | 48.20 | 114.98 | 36.80 | 87.79 | 35.50 | 84.69 |
| 1975 | 81.60 | 178.25 | 45.70 | 99.83 | 35.40 | 77.33 | 34.10 | 74.49 |
| 1976 | 101.10 | 211.09 | 45.80 | 95.63 | 37.20 | 77.67 | 37.30 | 77.88 |
| 1977 | 119.90 | 235.43 | 49.70 | 97.59 | 39.70 | 77.95 | 40.60 | 79.72 |
| 1978 | 156.20 | 285.10 | 59.40 | 108.42 | 46.20 | 84.32 | 46.50 | 84.87 |
| 1979 | 211.50 | 342.37 | 74.20 | 120.11 | 51.90 | 84.01 | 53.40 | 86.44 |
| 1980 | 189.20 | 268.69 | 70.20 | 99.69 | 53.10 | 75.41 | 55.50 | 78.82 |
| 1981 | 185.00 | 240.73 | 70.20 | 91.35 | 52.00 | 67.66 | 55.60 | 72.35 |
| 1982 | 144.60 | 184.41 | 71.10 | 90.67 | 53.70 | 68.48 | 57.50 | 73.33 |
| 1983 | 160.70 | 202.33 | 103.80 | 130.69 | 67.30 | 84.73 | 71.60 | 90.15 |
| 1984 | 158.80 | 195.19 | 109.00 | 133.98 | 68.00 | 83.58 | 72.70 | 89.36 |
| 1985 | 118.20 | 145.95 | 88.30 | 109.03 | 57.30 | 70.75 | 62.50 | 77.17 |
| 1986 | 112.30 | 142.88 | 87.90 | 111.84 | 53.70 | 68.32 | 64.70 | 82.32 |
| 1987 | 147.30 | 182.71 | [z] | [z] | 59.30 | 73.55 | 79.00 | 97.99 |
| 1988 | 161.00 | 192.04 | 134.20 | 160.07 | 62.10 | 74.07 | 101.20 | 120.71 |
| 1989 | 169.10 | 192.22 | 133.80 | 152.09 | 65.30 | 74.23 | 98.30 | 111.74 |
| 1990 | 182.60 | 200.24 | 141.10 | 154.73 | 81.90 | 89.81 | 106.50 | 116.79 |
| 1991 | 194.30 | 212.64 | 123.60 | 135.27 | 67.60 | 73.98 | 89.00 | 97.40 |
| 1992 | 222.60 | 242.15 | 289.30 | 314.71 | 78.10 | 84.96 | 136.90 | 148.92 |
| 1993 | 273.30 | 292.91 | [z] | [z] | [z] | [z] | 153.00 | 163.98 |
| 1994 | 330.50 | 350.07 | [z] | [z] | [z] | [z] | 205.00 | 217.14 |
| 1995 | 389.56 | 398.28 | [z] | [z] | [z] | [z] | 252.75 | 258.41 |
| 1996 | 344.57 | 343.88 | [z] | [z] | [z] | [z] | 203.00 | 202.59 |
| 1997 | 412.39 | 412.32 | [z] | [z] | [z] | [z] | 289.75 | 289.70 |
| 1998 | 406.76 | 400.80 | [z] | [z] | [z] | [z] | 276.50 | 272.45 |
| 1999 | 368.70 | 333.68 | [z] | [z] | [z] | [z] | 285.00 | 257.93 |
| 2000 | 392.35 | 321.63 | [z] | [z] | [z] | [z] | 270.00 | 221.33 |
| 2001 | 351.12 | 284.62 | [z] | [z] | [z] | [z] | 321.00 | 260.20 |
| 2002 | 368.41 | 305.69 | [z] | [z] | [z] | [z] | 290.00 | 240.63 |

[a]Timber Mart South (36); Louisiana Department of Agriculture (23).

[b]Derived by dividing the price in current dollars by the Bureau of Labor. Statistics producer price index for all commodities (1997 = 100).

[z]Not available.

**Table 23—Veneer log production, by softwoods and hardwoods, 1965–2002 (million board feet, local log rule)[a]**

| Year | All species[b] | Softwoods | Hardwoods |
|---|---|---|---|
| 1965 | 6,275 | 5,425 | 850 |
| 1966 | 6,315 | 5,610 | 705 |
| 1967 | 6,305 | 5,610 | 695 |
| 1968 | 6,880 | 6,150 | 730 |
| 1969 | 6,430 | 5,750 | 680 |
| 1970 | 6,642 | 5,863 | 779 |
| 1971 | 7,215 | 6,515 | 700 |
| 1972 | 7,810 | 7,070 | 740 |
| 1973 | 7,750 | 7,090 | 660 |
| 1974 | 7,560 | 6,945 | 615 |
| 1975 | 8,185 | 7,545 | 640 |
| 1976 | 8,417 | 7,795 | 623 |
| 1977 | 7,960 | 7,360 | 600 |
| 1978 | 8,150 | 7,560 | 590 |
| 1979 | 7,690 | 7,085 | 605 |
| 1980 | 7,649 | 7,040 | 609 |
| 1981 | 7,710 | 7,095 | 615 |
| 1982 | 7,504 | 6,885 | 619 |
| 1983 | 7,736 | 7,110 | 626 |
| 1984 | 7,970 | 7,335 | 635 |
| 1985 | 8,460 | 7,810 | 650 |
| 1986 | 9,062 | 8,398 | 664 |
| 1987 | 9,370 | 8,700 | 670 |
| 1988 | 9,261 | 8,580 | 681 |
| 1989 | 8,814 | 8,119 | 695 |
| 1990 | 8,662 | 7,942 | 720 |
| 1991 | 8,037 | 7,276 | 761 |
| 1992 | 7,876 | 7,101 | 775 |
| 1993 | 7,796 | 6,995 | 801 |
| 1994 | 7,735 | 6,881 | 854 |
| 1995 | 7,626 | 6,700 | 926 |
| 1996 | 7,560 | 6,583 | 977 |
| 1997 | 7,581 | 6,601 | 980 |
| 1998 | 7,671 | 6,707 | 964 |
| 1999 | 7,802 | 6,812 | 990 |
| 2000 | 7,870 | 6,855 | 1,015 |
| 2001 | 7,984 | 6,931 | 1,052 |
| 2002 | 7,518 | 6,521 | 997 |

[a]Data may not add to totals because of rounding.

[b]U.S. Department of Agriculture, Forest Service (51).

**Table 24—Pulpwood consumption, production, imports, exports, and the equivalent wood volumes of imports and exports of paper, board, and wood pulp, 1965–2002 (thousand cords)[a]**

| Year | U.S. total consumption | Consumption in U.S. mills | | | | | | | | | | Paper, board, and wood pulp (pulpwood equivalent) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Domestic productions | | | | | | | | | | | |
| | | | | Roundwood[r] | | | | Net imports | Imports | Exports | Net imports | Imports | Exports |
| | | Total | Total | Total | Softwoods | Hardwoods | Residue[b] | | | | | | |
| 1965 | 63,519 | 54,034 | 52,884 | 39,129 | 28,201 | 10,928 | 13,755 | 1150 | 1,305 | 155 | 9,485 | 13,487 | 4,001 |
| 1966 | 67,429 | 57,399 | 56,294 | 41,809 | 29,900 | 11,910 | 14,484 | 1105 | 1,385 | 280 | 10,030 | 14,367 | 4,337 |
| 1967 | 67,377 | 58,419 | 57,469 | 41,441 | 29,967 | 11,474 | 16,028 | 950 | 1,590 | 640 | 8,958 | 13,789 | 4,831 |
| 1968 | 69,214 | 60,969 | 60,734 | 43,535 | 31,690 | 11,845 | 17,199 | 235 | 1,425 | 1,190 | 8,245 | 13,643 | 5,398 |
| 1969 | 73,428 | 64,577 | 65,257 | 47,499 | 34,239 | 13,260 | 17,758 | -680 | 980 | 1,660 | 8,851 | 14,956 | 6,105 |
| 1970 | 73,308 | 66,732 | 67,577 | 49,467 | 37,212 | 12,255 | 18,110 | -845 | 1,120 | 1,965 | 6,576 | 14,310 | 7,734 |
| 1971 | 74,286 | 66,601 | 66,906 | 46,295 | 33,533 | 12,763 | 20,610 | -305 | 1,225 | 1,530 | 7,685 | 14,375 | 6,690 |
| 1972 | 75,685 | 68,068 | 69,023 | 45,311 | 31,784 | 13,527 | 23,712 | -955 | 1,020 | 1,975 | 7,616 | 14,263 | 6,646 |
| 1973 | 80,294 | 71,421 | 72,891 | 46,269 | 31,496 | 14,773 | 26,622 | -1470 | 1,200 | 2,670 | 8,873 | 15,483 | 6,610 |
| 1974 | 84,452 | 75,787 | 77,957 | 50,394 | 34,268 | 16,126 | 27,563 | -2,170 | 965 | 3,135 | 8,665 | 17,057 | 8,392 |
| 1975 | 69,231 | 63,941 | 65,821 | 41,029 | 29,035 | 11,993 | 24,792 | -1,880 | 765 | 2,645 | 5,290 | 12,172 | 6,882 |
| 1976 | 78,092 | 71,094 | 73,249 | 45,527 | 31,856 | 13,671 | 27,722 | -2,155 | 1,115 | 3,270 | 6,998 | 14,019 | 7,021 |
| 1977 | 80,486 | 72,952 | 74,972 | 44,538 | 31,022 | 13,516 | 30,434 | -2,020 | 1,350 | 3,370 | 7,534 | 14,548 | 7,014 |
| 1978 | 84,346 | 75,073 | 76,453 | 46,722 | 31,778 | 14,943 | 29,731 | -1,380 | 1,675 | 3,055 | 9,272 | 16,205 | 6,933 |
| 1979 | 87,651 | 78,680 | 81,065 | 50,699 | 35,389 | 15,310 | 30,366 | -2,385 | 1,405 | 3,790 | 8,971 | 16,847 | 7,876 |
| 1980 | 87,055 | 81,921 | 84,031 | 52,107 | 36,941 | 15,166 | 31,925 | -2,110 | 1,590 | 3,700 | 5,134 | 16,256 | 11,122 |
| 1981 | 86,814 | 81,003 | 82,468 | 51,390 | 35,685 | 15,704 | 31,079 | -1,465 | 1,490 | 2,955 | 5,811 | 15,579 | 9,768 |
| 1982 | 82,127 | 76,912 | 77,862 | 49,093 | 33,829 | 15,264 | 28,769 | -950 | 1,405 | 2,355 | 5,215 | 14,302 | 9,087 |
| 1983 | 91,044 | 84,504 | 84,829 | 51,612 | 33,413 | 18,199 | 33,217 | -325 | 1,715 | 2,040 | 6,540 | 16,312 | 9,772 |
| 1984 | 95,854 | 86,282 | 86,377 | 52,324 | 33,945 | 18,379 | 34,054 | -95 | 1,825 | 1,920 | 9,572 | 18,697 | 9,125 |
| 1985 | 95,325 | 85,380 | 86,600 | 52,698 | 33,097 | 19,602 | 33,901 | -1,220 | 650 | 1,870 | 9,945 | 19,198 | 9,253 |
| 1986 | 100,144 | 91,187 | 92,502 | 57,723 | 35,630 | 22,094 | 34,779 | -1,315 | 630 | 1,945 | 8,957 | 19,974 | 11,017 |
| 1987 | 102,445 | 93,005 | 94,590 | 58,538 | 37,172 | 21,367 | 36,052 | -1,585 | 430 | 2,015 | 9,440 | 20,882 | 11,442 |
| 1988 | 101,737 | 93,000 | 95,030 | 59,342 | 37,359 | 21,984 | 35,688 | -2,030 | 735 | 2,765 | 8,737 | 20,779 | 12,042 |
| 1989 | 100,276 | 92,615 | 93,831 | 59,924 | 37,755 | 22,169 | 33,907 | -1,216 | 988 | 2,204 | 7,661 | 20,341 | 12,679 |
| 1990 | 99,361 | 92,561 | 93,936 | 61,758 | 39,559 | 22,199 | 32,178 | -1,376 | 917 | 2,293 | 6,801 | 19,847 | 13,046 |
| 1991 | 95,484 | 91,925 | 93,246 | 62,701 | 40,213 | 22,488 | 30,545 | -1,321 | 1,025 | 2,346 | 3,559 | 18,305 | 14,746 |
| 1992 | 96,146 | 93,642 | 95,238 | 63,489 | 39,918 | 23,571 | 31,749 | -1,596 | 857 | 2,453 | 2,504 | 18,451 | 15,947 |
| 1993 | 96,089 | 90,996 | 92,759 | 62,122 | 37,621 | 24,501 | 30,637 | -1,764 | 745 | 2,509 | 5,094 | 19,485 | 14,392 |
| 1994 | 98,142 | 93,259 | 95,327 | 63,698 | 38,312 | 25,387 | 31,629 | -2,068 | 544 | 2,612 | 4,883 | 19,965 | 15,082 |
| 1995[r] | 97,052 | 93,013 | 94,999 | 69,808 | 41,173 | 28,635 | 25,191 | -1,986 | 303 | 2,290 | 4,039 | 20,474 | 16,435 |
| 1996[r] | 90,190 | 88,246 | 90,439 | 66,697 | 39,641 | 27,056 | 23,742 | -2,193 | 334 | 2,527 | 1,943 | 17,979 | 16,036 |
| 1997[r] | 95,247 | 92,312 | 95,038 | 68,354 | 39,943 | 28,411 | 26,684 | -2,726 | 357 | 3,083 | 2,935 | 20,186 | 17,251 |
| 1998[r] | 96,305 | 90,591 | 93,371 | 68,134 | 40,580 | 27,554 | 25,237 | -2,780 | 231 | 3,011 | 5,713 | 20,653 | 14,939 |
| 1999 | 94,265 | 86,969 | 89,908 | 64,048 | 37,157 | 26,890 | 25,861 | -2,940 | 144 | 3,084 | 7,296 | 21,077 | 13,780 |
| 2000 | 95,904 | 87,453 | 89,888 | 64,775 | 37,965 | 26,810 | 25,113 | -2,435 | 150 | 2,585 | 8,452 | 22,951 | 14,499 |
| 2001 | 92,181 | 83,384 | 85,240 | 62,033 | 36,200 | 25,833 | 23,207 | -1,856 | 79 | 1,935 | 8,797 | 22,618 | 13,821 |
| 2002 | 90,500 | 82,715 | 84,030 | 60,494 | 34,901 | 25,593 | 23,536 | -1,315 | 66 | 1,381 | 7,785 | 22,222 | 14,437 |

[a]American Forest and Paper Association (3); American Pulpwood Association (14).

[b]Chips produced from roundwood and byproducts from primary processing plants, such as slabs, edgings, and veneer cores.

[r]Revised.

**Table 25—Pulpwood production, by region[a] and softwoods and hardwoods, 1965–2002 (million cords)[b]**

| | All sections | | | North | | | South | | | West | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year[c] | Total | Soft-woods | Hard-woods | Total | Soft-woods | Hard-woods | Total | Soft-woods | Hard-woods | Total | Soft-woods | Hard-woods |
| 1965 | 52.88 | 40.1 | 12.8 | 9.0 | 4.1 | 4.9 | 31.2 | 23.8 | 7.4 | 12.7 | 12.2 | 0.5 |
| 1966 | 56.29 | 42.1 | 14.2 | 10.3 | 4.4 | 5.9 | 33.1 | 25.4 | 7.7 | 12.9 | 12.3 | 0.6 |
| 1967 | 57.47 | 43.6 | 13.9 | 10.3 | 4.5 | 5.8 | 33.6 | 25.9 | 7.7 | 13.6 | 13.2 | 0.4 |
| 1968 | 60.73 | 46.6 | 14.1 | 9.8 | 4.3 | 5.5 | 36.5 | 28.3 | 8.2 | 14.4 | 14.0 | 0.4 |
| 1969 | 65.26 | 48.8 | 16.5 | 10.3 | 4.1 | 6.2 | 40.0 | 30.2 | 9.8 | 15.0 | 14.5 | 0.5 |
| 1970 | 67.58 | 50.7 | 16.9 | 11.3 | 4.6 | 6.7 | 41.1 | 31.4 | 9.7 | 15.2 | 14.7 | 0.5 |
| 1971 | 66.91 | 50.3 | 16.6 | 10.5 | 4.0 | 6.5 | 41.1 | 31.5 | 9.6 | 15.3 | 14.8 | 0.5 |
| 1972 | 69.02 | 51.0 | 18.0 | 10.7 | 4.0 | 6.7 | 42.3 | 31.7 | 10.6 | 16.0 | 15.3 | 0.7 |
| 1973 | 72.89 | 52.7 | 20.2 | 12.8 | 4.6 | 8.2 | 43.4 | 32.1 | 11.3 | 16.7 | 16.0 | 0.7 |
| 1974 | 77.96 | 55.8 | 22.2 | 13.9 | 5.1 | 8.8 | 46.1 | 33.6 | 12.5 | 18.0 | 17.1 | 0.9 |
| 1975 | 65.82 | 50.1 | 15.7 | 10.4 | 4.2 | 6.2 | 40.7 | 31.7 | 9.0 | 14.7 | 14.2 | 0.5 |
| 1976 | 73.25 | 54.1 | 19.1 | 12.2 | 4.8 | 7.4 | 44.3 | 33.2 | 11.1 | 16.7 | 16.1 | 0.6 |
| 1977 | 74.97 | 55.7 | 19.3 | 12.5 | 4.9 | 7.6 | 45.2 | 34.2 | 11.0 | 17.3 | 16.6 | 0.7 |
| 1978 | 76.45 | 55.3 | 21.2 | 13.0 | 5.2 | 7.8 | 47.7 | 35.0 | 12.7 | 15.8 | 15.1 | 0.7 |
| 1979 | 81.06 | 58.3 | 22.8 | 14.0 | 5.5 | 8.5 | 50.2 | 36.7 | 13.5 | 16.9 | 16.1 | 0.8 |
| 1980 | 84.03 | 60.6 | 23.4 | 14.3 | 5.7 | 8.6 | 50.7 | 36.9 | 13.8 | 19.0 | 18.0 | 1.0 |
| 1981 | 82.47 | 59.6 | 22.9 | 13.9 | 5.6 | 8.3 | 51.6 | 37.7 | 13.9 | 17.0 | 16.3 | 0.7 |
| 1982 | 77.86 | 56.3 | 21.6 | 13.1 | 5.9 | 7.2 | 50.2 | 36.6 | 13.6 | 14.6 | 13.8 | 0.8 |
| 1983 | 84.83 | 59.9 | 24.9 | 14.4 | 5.6 | 8.8 | 53.9 | 38.5 | 15.4 | 16.5 | 15.8 | 0.7 |
| 1984 | 86.38 | 61.1 | 25.3 | 14.7 | 6.0 | 8.7 | 54.4 | 38.7 | 15.7 | 17.3 | 16.4 | 0.9 |
| 1985 | 86.60 | 60.6 | 26.0 | 14.6 | 5.8 | 8.8 | 56.2 | 39.9 | 16.3 | 15.8 | 14.9 | 0.9 |
| 1986 | 92.50 | 64.0 | 28.5 | 15.2 | 5.7 | 9.5 | 59.9 | 42.0 | 17.9 | 17.4 | 16.3 | 1.1 |
| 1987 | 94.59 | 65.6 | 29.0 | 15.4 | 5.8 | 9.6 | 61.5 | 43.2 | 18.3 | 17.7 | 16.6 | 1.1 |
| 1988 | 95.03 | 65.7 | 29.3 | 14.8 | 5.4 | 9.4 | 61.8 | 42.9 | 18.9 | 18.4 | 17.4 | 1.0 |
| 1989 | 93.83 | 64.3 | 29.5 | 14.0 | 5.1 | 8.9 | 62.8 | 43.3 | 19.5 | 17.0 | 15.9 | 1.1 |
| 1990 | 93.94 | 63.1 | 30.8 | 14.0 | 5.0 | 9.0 | 65.4 | 44.6 | 20.8 | 14.5 | 13.5 | 1.0 |
| 1991 | 93.25 | 62.4 | 30.8 | 14.2 | 5.2 | 9.0 | 66.8 | 45.8 | 21.0 | 12.2 | 11.4 | 0.8 |
| 1992 | 95.24 | 59.8 | 35.4 | 13.9 | 5.0 | 8.9 | 70.9 | 45.0 | 25.9 | 10.4 | 9.8 | 0.6 |
| 1993 | 92.76 | 55.7 | 37.1 | 15.0 | 5.6 | 9.4 | 71.9 | 44.8 | 27.1 | 5.9 | 5.3 | 0.6 |
| 1994 | 95.33 | 56.1 | 39.2 | 15.4 | 5.6 | 9.8 | 74.7 | 45.8 | 28.9 | 5.2 | 4.7 | 0.5 |
| 1995 | 95.00 | 61.1 | 33.9 | 15.0 | 6.7 | 8.3 | 72.6 | 48.1 | 24.5 | 7.4 | 6.3 | 1.1 |
| 1996 | 90.44 | 58.7 | 31.8 | 14.5 | 6.6 | 7.9 | 69.6 | 46.7 | 22.9 | 6.4 | 5.4 | 0.9 |
| 1997 | 95.04 | 61.4 | 33.6 | 15.2 | 6.8 | 8.4 | 74.1 | 50.0 | 24.1 | 5.7 | 4.6 | 1.1 |
| 1998 | 93.37 | 60.3 | 33.1 | 14.6 | 6.3 | 8.3 | 72.4 | 48.9 | 23.5 | 6.3 | 5.1 | 1.2 |
| 1999 | 89.91 | 57.7 | 32.2 | 13.8 | 6.0 | 7.8 | 70.7 | 47.5 | 23.2 | 5.4 | 4.3 | 1.2 |
| 2000 | 89.89 | 57.8 | 32.1 | 14.1 | 6.1 | 8.1 | 70.1 | 47.2 | 22.9 | 5.7 | 4.6 | 1.1 |
| 2001 | 85.24 | 54.4 | 30.9 | 13.4 | 5.8 | 7.7 | 67.0 | 44.8 | 22.2 | 4.8 | 3.8 | 1.0 |
| 2002 | 84.03 | 53.7 | 30.3 | 13.1 | 5.5 | 7.6 | 66.4 | 44.8 | 21.7 | 4.5 | 3.5 | 1.1 |

[a]The West includes: Alaska, Arizona, California, Idaho, Montana, Oregon, and Washington.
The South includes: Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, and Virginia.
The North includes: Illinois, Indiana, Iowa, Maine, Michigan, Minnesota, Missouri, New York, Ohio, Pennsylvania, and Wisconsin.

[b]American Pulpwood Association (14); data may not add to totals because of rounding.
All numbers were revised; values include chip production.

[c]Data for the years 1989 to present are domestic receipts at pulp mills.

**Table 26—Pulpwood stumpage prices of Louisiana and northern New Hampshire, 1965–2002 (dollars per cord)**

| Year | Louisiana[a] | | | | Northern New Hampshire[b] | | | |
|---|---|---|---|---|---|---|---|---|
| | Southern pine | | Hardwoods | | Hemlock and pine[c] | | Spruce and fir | |
| | *Current dollars* | *1997 dollars*[d] | *Current dollars* | *1997 dollars* | *Current dollars* | *1997 dollars* | *Current dollars* | *1997 dollars* |
| 1965 | 4.40 | 17.34 | 1.60 | 6.31 | 1.75 | 6.90 | 4.50 | 17.74 |
| 1966 | 4.55 | 17.43 | 1.70 | 6.51 | 2.60 | 9.96 | 5.25 | 20.11 |
| 1967 | 4.60 | 17.56 | 1.75 | 6.68 | 2.10 | 8.02 | 5.25 | 20.04 |
| 1968 | 4.65 | 17.32 | 1.85 | 6.89 | 2.00 | 7.45 | 5.25 | 19.56 |
| 1969 | 4.65 | 16.64 | 1.90 | 6.80 | 1.85 | 6.62 | 4.50 | 16.10 |
| 1970 | 4.70 | 16.23 | 1.95 | 6.73 | 1.75 | 6.04 | 4.50 | 15.54 |
| 1971 | 4.75 | 15.90 | z | z | 1.75 | 5.86 | 4.50 | 15.06 |
| 1972 | 4.75 | 15.20 | 2.10 | 6.72 | 2.00 | 6.40 | 4.50 | 14.40 |
| 1973 | 5.20 | 14.73 | 2.40 | 6.80 | 2.00 | 5.67 | 4.50 | 12.75 |
| 1974 | 6.05 | 14.43 | 2.70 | 6.44 | 2.65 | 6.32 | 5.50 | 13.12 |
| 1975 | 6.40 | 13.98 | 2.80 | 6.12 | 2.65 | 5.79 | 6.00 | 13.11 |
| 1976 | 6.70 | 13.99 | 2.80 | 5.85 | 2.65 | 5.53 | 6.50 | 13.57 |
| 1977 | 7.10 | 13.94 | 2.95 | 5.79 | 2.65 | 5.20 | 6.50 | 12.76 |
| 1978 | 7.80 | 14.24 | 3.15 | 5.75 | 2.90 | 5.29 | 7.00 | 12.78 |
| 1979 | 9.30 | 15.05 | 3.65 | 5.91 | 3.75 | 6.07 | 8.00 | 12.95 |
| 1980 | 10.30 | 14.63 | 4.10 | 5.82 | 5.00 | 7.10 | 8.00 | 11.36 |
| 1981 | 12.65 | 16.46 | 4.30 | 5.60 | 5.00 | 6.51 | 8.00 | 10.41 |
| 1982 | 14.30 | 18.24 | 4.50 | 5.74 | 5.00 | 6.38 | 8.00 | 10.20 |
| 1983 | 14.85 | 18.70 | 4.80 | 6.04 | 5.00 | 6.30 | 8.50 | 10.70 |
| 1984 | 17.65 | 21.69 | 4.35 | 5.35 | 5.00 | 6.15 | 8.50 | 10.45 |
| 1985 | 15.20 | 18.77 | 4.40 | 5.43 | 4.00 | 4.94 | 9.00 | 11.11 |
| 1986 | 12.05 | 15.33 | 4.30 | 5.47 | 3.75 | 4.77 | 9.00 | 11.45 |
| 1987 | 13.85 | 17.18 | 5.35 | 6.64 | 3.75 | 4.65 | 9.00 | 11.16 |
| 1988 | 15.95 | 19.02 | 5.20 | 6.20 | 3.50 | 4.17 | 10.00 | 11.93 |
| 1989 | 18.33 | 20.84 | 5.54 | 6.30 | 4.00 | 4.55 | 11.00 | 12.50 |
| 1990 | 17.88 | 19.61 | 5.45 | 5.98 | 6.00 | 6.58 | 12.50 | 13.71 |
| 1991 | 20.80 | 22.76 | 8.19 | 8.96 | 6.00 | 6.57 | 14.00 | 15.32 |
| 1992 | 23.50 | 25.56 | 7.84 | 8.53 | 5.75 | 6.25 | 11.75 | 12.78 |
| 1993 | 25.07 | 26.87 | 9.77 | 10.47 | 6.00 | 6.43 | 16.50 | 17.68 |
| 1994 | 23.51 | 24.90 | 10.12 | 10.72 | 11.50 | 12.18 | 12.00 | 12.04 |
| 1995 | 24.35 | 24.90 | 10.40 | 10.63 | z | z | z | z |
| 1996 | 23.84 | 23.79 | 12.63 | 12.60 | z | z | z | z |
| 1997 | 23.95 | 23.95 | 15.05 | 15.05 | z | z | z | z |
| 1998 | 29.24 | 28.81 | 17.06 | 16.81 | 2.95 | 2.91 | 2.27 | 2.24 |
| 1999 | 26.28 | 23.78 | 13.75 | 12.44 | 2.95 | 2.67 | 2.27 | 2.06 |
| 2000 | 23.33 | 19.13 | 10.32 | 8.46 | 2.73 | 2.24 | 2.50 | 2.05 |
| 2001 | 21.36 | 17.31 | 13.54 | 10.97 | 2.73 | 2.21 | 2.50 | 2.03 |
| 2002[p] | 19.52 | 16.20 | 14.94 | 12.40 | 2.73 | 2.26 | 2.50 | 2.07 |

[a]Louisiana Department of Agriculture, Office of Marketing (23);

[b]New Hampshire University, Cooperative Extention Service, and New Hampshire Department of Resources and Economic Development (30).

[c]Includes tamarack.

[d]Derived by dividing the price in current dollars by the Bureau of Labor Statistics producers price index for all commodities (1997 = 100).

[p]Preliminary.

[z]Not available.

**Table 27—Pulpwood prices of Louisiana and Northern New Hampshire, 1965–2002**

**(dollars per standard cord, including bark)[a]**

| Year | Louisiana[b] | | | | Northern New Hampshire[c] | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Southern pine | | Hardwoods | | Hemlock and pine[d] | | Spruce and fir | | Hardwoods | |
| | *Current dollars* | *1997 dollars*[e] | *Current dollars* | *1997 dollars* | *Current dollars* | *1997 dollars* | *Current dollars* | *1997 dollars* | *Current dollars* | *1997 dollars* |
| 1965 | 15.70 | 61.88 | 13.65 | 53.80 | 16.85 | 66.41 | 21.00 | 82.77 | 16.50 | 65.03 |
| 1966 | 16.50 | 63.20 | 14.80 | 56.69 | 17.75 | 67.99 | 22.00 | 84.27 | 17.50 | 67.03 |
| 1967 | 16.50 | 62.98 | 14.85 | 56.68 | 20.25 | 77.29 | 22.40 | 85.50 | 17.50 | 66.80 |
| 1968 | 17.00 | 63.33 | 16.30 | 60.72 | 19.55 | 72.83 | 22.15 | 82.52 | z | z |
| 1969 | 17.75 | 63.52 | 17.40 | 62.26 | 19.45 | 69.60 | 23.20 | 83.02 | 18.90 | 67.63 |
| 1970 | 17.75 | 61.30 | 17.45 | 60.26 | 19.50 | 67.34 | 23.40 | 80.81 | 20.00 | 69.07 |
| 1971 | z | z | z | z | 19.50 | 65.27 | 23.40 | 78.32 | 20.25 | 67.78 |
| 1972 | 19.25 | 61.59 | 19.00 | 60.79 | 19.25 | 61.59 | 23.75 | 75.99 | 22.00 | 70.39 |
| 1973 | 22.50 | 63.74 | 22.00 | 62.32 | 20.40 | 57.79 | 25.50 | 72.24 | 23.50 | 66.57 |
| 1974 | 28.30 | 67.51 | 24.95 | 59.52 | 21.25 | 50.69 | 30.00 | 71.57 | 26.50 | 63.22 |
| 1975 | 29.25 | 63.89 | 26.20 | 57.23 | 25.15 | 54.94 | 30.50 | 66.62 | 28.50 | 62.25 |
| 1976 | 30.45 | 63.58 | 26.10 | 54.50 | 30.40 | 63.47 | 31.50 | 65.77 | 31.65 | 66.08 |
| 1977 | 31.65 | 62.15 | 27.20 | 53.41 | 32.50 | 63.82 | 36.50 | 71.67 | 33.00 | 64.80 |
| 1978 | 34.55 | 63.06 | 28.30 | 51.65 | 34.50 | 62.97 | 39.00 | 71.18 | 35.00 | 63.88 |
| 1979 | 38.95 | 63.05 | 32.05 | 51.88 | 36.65 | 59.33 | 44.00 | 71.23 | 37.00 | 59.89 |
| 1980 | 41.45 | 58.86 | 33.60 | 47.72 | 36.65 | 52.05 | 46.00 | 65.33 | 41.50 | 58.94 |
| 1981 | 44.20 | 57.51 | 34.20 | 44.50 | 41.50 | 54.00 | 49.00 | 63.76 | 44.00 | 57.25 |
| 1982 | 46.95 | 59.87 | 35.25 | 44.95 | 41.50 | 52.92 | 49.00 | 62.49 | 44.00 | 56.11 |
| 1983 | 47.60 | 59.93 | 35.30 | 44.44 | 41.50 | 52.25 | 49.00 | 61.69 | 46.50 | 58.55 |
| 1984 | 42.75 | 52.55 | z | z | 41.50 | 51.01 | 49.00 | 60.23 | 47.50 | 58.39 |
| 1985 | 49.20 | 60.75 | 37.50 | 46.30 | 41.50 | 51.24 | 49.00 | 60.50 | 46.50 | 57.42 |
| 1986 | 48.10 | 61.20 | 35.40 | 45.04 | 41.50 | 52.80 | 49.50 | 62.98 | 47.00 | 59.80 |
| 1987 | 50.65 | 62.83 | 45.35 | 56.25 | 41.50 | 51.48 | 49.50 | 61.40 | 47.00 | 58.30 |
| 1988 | 52.25 | 62.32 | 46.85 | 55.88 | 41.50 | 49.50 | 50.50 | 60.24 | 47.50 | 56.66 |
| 1989 | 55.19 | 62.73 | 46.49 | 52.85 | 41.50 | 47.17 | 50.50 | 57.40 | 51.00 | 57.97 |
| 1990 | 55.64 | 61.01 | 47.86 | 52.48 | 48.50 | 53.18 | 56.75 | 62.23 | 50.75 | 55.65 |
| 1991 | 61.04 | 66.80 | 52.37 | 57.31 | 50.00 | 54.72 | 66.75 | 73.05 | 50.75 | 55.54 |
| 1992 | 64.11 | 69.74 | 46.85 | 50.96 | 47.00 | 51.13 | 66.00 | 71.80 | 49.50 | 53.85 |
| 1993 | 66.15 | 70.90 | 51.54 | 55.24 | 49.00 | 52.52 | 65.00 | 69.66 | 49.50 | 53.05 |
| 1994 | 57.55 | 60.96 | 55.23 | 58.50 | 65.50 | 69.38 | 44.00 | 46.61 | 50.50 | 53.49 |
| 1995 | 67.93 | 69.45 | 73.06 | 74.70 | z | z | z | z | z | z |
| 1996 | 62.55 | 62.42 | 57.45 | 57.34 | z | z | z | z | z | z |
| 1997 | 72.30 | 72.29 | 70.19 | 70.18 | z | z | z | z | z | z |
| 1998 | 74.87 | 73.77 | 58.55 | 57.69 | 49.77 | 49.04 | 27.50 | 27.10 | 58.50 | 57.64 |
| 1999 | 64.61 | 58.47 | 53.24 | 48.18 | 49.77 | 45.04 | 27.50 | 24.89 | 58.50 | 52.94 |
| 2000 | 59.11 | 48.46 | 51.53 | 42.24 | 49.77 | 40.80 | 22.83 | 18.72 | 58.50 | 47.96 |
| 2001 | 59.64 | 48.34 | 64.97 | 52.66 | 49.77 | 40.35 | 27.50 | 22.29 | 58.50 | 47.42 |
| 2002[p] | 60.66 | 50.33 | 65.59 | 54.42 | 49.77 | 41.30 | 27.50 | 22.82 | 58.50 | 48.54 |

[a]All numbers reflect the delivered timber price.

[b]Timber Mart South (36); Louisiana Department of Agriculture, Office of Marketing (23); f.o.b. car.

[c]New Hampshire University, Cooperative Extention Service, and New Hampshire Department of Resources and Economic Development (30).

[d]Includes tamarack.

[e]Derived by dividing price in current dollars by the Bureau of Labor Statistics producer price index for all commodities (1997 = 100).

[p]Preliminary.

[z]Not available.

**Table 28—Lumber production, imports, exports, and consumption, by softwoods and hardwoods, 1965–2002[a]**

| Year | Production | | | Imports | | | Exports | | | Consumption | | | Per capita consumption | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Total | Soft-woods | Hard-woods | Total | Soft-woods | Hard-woods | Total | Soft-woods[b] | Hard-woods | Total | Soft-woods | Hard-woods | Total | Soft-woods | Hard-woods |
| | *Billion board feet* | *Billion board feet* | *Billion board feet* | *Billion board feet* | *Billion board feet* | *Billion board feet* | *Billion board feet* | *Billion board feet* | *Billion board feet* | *Billion board feet* | *Billion board feet* | *Billion board feet* | *Board feet* | *Board feet* | *Board feet* |
| 1965 | 38.7 | 29.3 | 9.4 | 5.2 | 4.9 | 0.3 | 0.9 | 0.8 | 0.1 | 43.1 | 33.4 | 9.7 | 222 | 172 | 50 |
| 1966 | 38.6 | 28.8 | 9.8 | 5.2 | 4.8 | 0.4 | 1.1 | 0.9 | 0.2 | 42.7 | 32.7 | 10.0 | 217 | 166 | 51 |
| 1967 | 37.5 | 28.2 | 9.3 | 5.1 | 4.8 | 0.3 | 1.2 | 1.0 | 0.2 | 41.4 | 32.0 | 9.5 | 208 | 161 | 48 |
| 1968 | 38.0 | 29.3 | 8.7 | 6.2 | 5.8 | 0.3 | 1.1 | 1.0 | 0.1 | 43.1 | 34.1 | 9.0 | 215 | 170 | 45 |
| 1969 | 37.1 | 28.3 | 8.7 | 6.3 | 5.9 | 0.4 | 1.1 | 1.0 | 0.1 | 42.3 | 33.2 | 9.1 | 209 | 164 | 45 |
| 1970 | 35.9 | 27.5 | 8.3 | 6.1 | 5.8 | 0.3 | 1.2 | 1.1 | 0.1 | 40.8 | 32.2 | 8.6 | 199 | 157 | 42 |
| 1971 | 38.5 | 30.0 | 8.4 | 7.6 | 7.2 | 0.4 | 1.1 | 0.9 | 0.2 | 45.0 | 36.4 | 8.6 | 217 | 175 | 41 |
| 1972 | 39.5 | 31.0 | 8.5 | 9.4 | 9.0 | 0.4 | 1.4 | 1.2 | 0.2 | 47.5 | 38.8 | 8.7 | 226 | 185 | 42 |
| 1973 | 40.4 | 31.6 | 8.8 | 9.6 | 9.0 | 0.5 | 2.0 | 1.8 | 0.2 | 47.9 | 38.8 | 9.1 | 226 | 183 | 43 |
| 1974 | 36.2 | 27.7 | 8.4 | 7.3 | 6.8 | 0.4 | 1.8 | 1.6 | 0.2 | 41.6 | 32.9 | 8.7 | 195 | 154 | 41 |
| 1975 | 34.1 | 26.7 | 7.3 | 6.0 | 5.7 | 0.3 | 1.6 | 1.4 | 0.2 | 38.4 | 31.1 | 7.4 | 178 | 144 | 34 |
| 1976 | 37.7 | 29.7 | 8.0 | 8.2 | 8.0 | 0.3 | 1.8 | 1.6 | 0.2 | 44.1 | 36.1 | 8.1 | 202 | 165 | 37 |
| 1977 | 40.2 | 31.7 | 8.5 | 10.7 | 10.4 | 0.3 | 1.6 | 1.4 | 0.2 | 49.4 | 40.7 | 8.6 | 224 | 185 | 39 |
| 1978 | 41.0 | 32.1 | 9.0 | 12.2 | 11.9 | 0.4 | 1.8 | 1.4 | 0.4 | 51.4 | 42.5 | 8.9 | 231 | 191 | 40 |
| 1979 | 40.7 | 31.4 | 9.3 | 11.5 | 11.2 | 0.4 | 2.2 | 1.8 | 0.4 | 50.1 | 40.8 | 9.3 | 222 | 181 | 41 |
| 1980 | 35.4 | 26.2 | 9.2 | 9.9 | 9.6 | 0.3 | 2.5 | 2.0 | 0.5 | 42.8 | 33.8 | 9.0 | 188 | 149 | 39 |
| 1981 | 32.2 | 24.7 | 7.5 | 9.5 | 9.2 | 0.3 | 2.4 | 1.9 | 0.5 | 39.3 | 32.0 | 7.3 | 171 | 139 | 32 |
| 1982 | 31.8 | 23.8 | 8.0 | 9.4 | 9.1 | 0.2 | 2.0 | 1.6 | 0.4 | 39.1 | 31.3 | 7.8 | 169 | 135 | 34 |
| 1983 | 38.5 | 29.7 | 8.8 | 12.3 | 12.0 | 0.3 | 2.3 | 1.8 | 0.5 | 48.4 | 39.9 | 8.5 | 207 | 170 | 36 |
| 1984 | 41.3 | 31.2 | 10.1 | 13.6 | 13.3 | 0.3 | 2.1 | 1.6 | 0.5 | 52.8 | 42.9 | 9.9 | 223 | 181 | 42 |
| 1985 | 40.9 | 31.3 | 9.6 | 15.0 | 14.6 | 0.4 | 1.9 | 1.5 | 0.4 | 54.0 | 44.4 | 9.6 | 226 | 186 | 40 |
| 1986 | 45.8 | 35.3 | 10.5 | 14.6 | 14.2 | 0.3 | 2.4 | 1.9 | 0.5 | 57.9 | 47.6 | 10.3 | 241 | 198 | 43 |
| 1987 | 49.5 | 38.2 | 11.3 | 15.2 | 14.7 | 0.5 | 3.2 | 2.5 | 0.7 | 61.5 | 50.5 | 11.0 | 253 | 208 | 45 |
| 1988 | 49.9 | 38.1 | 11.7 | 13.8 | 13.5 | 0.3 | 4.5 | 3.3 | 1.2 | 59.2 | 48.3 | 10.9 | 242 | 197 | 44 |
| 1989 | 49.6 | 37.5 | 12.1 | 15.3 | 14.9 | 0.3 | 4.2 | 3.4 | 0.9 | 60.6 | 49.1 | 11.5 | 245 | 198 | 47 |
| 1990 | 48.1 | 35.8 | 12.3 | 13.1 | 12.9 | 0.2 | 3.8 | 2.9 | 0.9 | 57.4 | 45.7 | 11.7 | 230 | 183 | 47 |
| 1991 | 44.3 | 33.2 | 11.2 | 11.7 | 11.5 | 0.2 | 4.0 | 3.1 | 0.9 | 52.1 | 41.6 | 10.4 | 206 | 165 | 41 |
| 1992 | 45.9 | 34.5 | 11.4 | 13.4 | 13.2 | 0.3 | 3.6 | 2.6 | 1.0 | 55.8 | 45.1 | 10.7 | 218 | 177 | 42 |
| 1993 | 45.2 | 32.9 | 12.2 | 15.4 | 15.1 | 0.3 | 3.4 | 2.3 | 1.0 | 57.2 | 45.7 | 11.5 | 222 | 177 | 45 |
| 1994 | 46.5 | 34.1 | 12.4 | 16.6 | 16.2 | 0.4 | 3.3 | 2.2 | 1.1 | 59.8 | 48.2 | 11.6 | 229 | 185 | 45 |
| 1995 | 44.9 | 32.2 | 12.6 | 17.6 | 17.2 | 0.4 | 2.9 | 1.9 | 1.1 | 59.5 | 47.6 | 11.9 | 226 | 181 | 45 |
| 1996 | 45.8 | 33.3 | 12.5 | 18.4 | 18.0 | 0.4 | 2.9 | 1.8 | 1.1 | 61.3 | 49.5 | 11.8 | 231 | 186 | 44 |
| 1997 | 47.3 | 34.7 | 12.7 | 18.5 | 18.0 | 0.5 | 2.9 | 1.6 | 1.2 | 62.9 | 51.0 | 11.9 | 235 | 190 | 44 |
| 1998 | 47.4 | 34.7 | 12.7 | 19.2 | 18.7 | 0.5 | 2.2 | 1.1 | 1.1 | 64.5 | 52.2 | 12.2 | 238 | 193 | 45 |
| 1999 | 49.5 | 36.6 | 12.9 | 19.9 | 19.2 | 0.7 | 2.5 | 1.4 | 1.2 | 66.8 | 54.4 | 12.4 | 245 | 199 | 45 |
| 2000 | 48.6 | 36.0 | 12.6 | 20.2 | 19.4 | 0.8 | 2.7 | 1.4 | 1.3 | 66.1 | 54.0 | 12.1 | 234 | 191 | 43 |
| 2001 | 46.4 | 34.6 | 11.8 | 20.7 | 20.1 | 0.6 | 2.2 | 1.0 | 1.2 | 64.9 | 53.7 | 11.3 | 228 | 188 | 40 |
| 2002 | 48.2 | 36.4 | 11.8 | 21.7 | 21.0 | 0.7 | 2.2 | 1.0 | 1.2 | 67.7 | 56.4 | 11.3 | 236 | 196 | 39 |

[a]U.S. Department of Commerce, Bureau of the Census (59); American Forest and Paper Association (4); Luppold and Dempsey (24); Data may not add to totals because of rounding; Data's been revised.

[b]Includes small volumes of mixed species (not classified as softwoods or hardwoods).

**Table 29—Lumber production, by region[a] and softwoods and hardwoods, 1965–2002 (billion board feet)[b]**

| | All regions | | | North | | | South | | | West[c] | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | Total | Soft-woods | Hard-woods | Total | Soft-woods | Hard-woods | Total | Soft-woods | Hard-woods | Total | Soft-woods | Hard-woods |
| 1965 | 38.7 | 29.3 | 9.4 | 4.4 | 1.1 | 3.3 | 12.7 | 6.8 | 5.9 | 21.6 | 21.4 | 0.2 |
| 1966 | 38.6 | 28.8 | 9.8 | 4.5 | 1.1 | 3.4 | 12.9 | 6.7 | 6.2 | 21.2 | 21.0 | 0.2 |
| 1967 | 37.5 | 28.2 | 9.3 | 4.5 | 1.1 | 3.4 | 12.4 | 6.6 | 5.8 | 19.7 | 19.6 | 0.1 |
| 1968 | 38.0 | 29.3 | 8.7 | 4.5 | 1.1 | 3.4 | 12.2 | 7.0 | 5.2 | 21.3 | 21.2 | 0.1 |
| 1969 | 37.1 | 28.3 | 8.7 | 4.6 | 1.1 | 3.5 | 12.3 | 7.3 | 5.0 | 20.1 | 19.9 | 0.2 |
| 1970 | 35.9 | 27.5 | 8.3 | 4.4 | 1.0 | 3.4 | 12.0 | 7.2 | 4.8 | 19.4 | 19.3 | 0.1 |
| 1971 | 38.5 | 30.0 | 8.4 | 4.4 | 1.1 | 3.3 | 12.9 | 7.9 | 5.0 | 21.1 | 21.0 | 0.1 |
| 1972 | 39.5 | 31.0 | 8.5 | 4.4 | 1.1 | 3.3 | 13.0 | 8.0 | 5.0 | 22.1 | 21.9 | 0.2 |
| 1973 | 40.4 | 31.6 | 8.8 | 4.6 | 1.1 | 3.5 | 13.2 | 8.0 | 5.2 | 22.6 | 22.5 | 0.1 |
| 1974 | 36.2 | 27.7 | 8.4 | 4.4 | 1.1 | 3.3 | 11.9 | 7.0 | 4.9 | 19.8 | 19.6 | 0.2 |
| 1975 | 34.1 | 26.7 | 7.3 | 4.1 | 1.1 | 3.0 | 11.1 | 7.0 | 4.1 | 18.8 | 18.6 | 0.2 |
| 1976 | 37.7 | 29.7 | 8.0 | 6.2 | 1.8 | 4.5 | 16.5 | 13.4 | 3.1 | 28.8 | 28.6 | 0.2 |
| 1977 | 40.2 | 31.7 | 8.5 | 6.7 | 1.9 | 4.8 | 17.6 | 14.3 | 3.3 | 30.9 | 30.7 | 0.2 |
| 1978 | 41.0 | 32.1 | 9.0 | 6.9 | 1.9 | 5.0 | 17.9 | 14.4 | 3.5 | 31.7 | 31.5 | 0.2 |
| 1979 | 40.7 | 31.4 | 9.3 | 7.1 | 1.9 | 5.2 | 17.8 | 14.1 | 3.6 | 31.5 | 31.3 | 0.2 |
| 1980 | 35.4 | 26.2 | 9.2 | 6.7 | 1.6 | 5.1 | 15.4 | 11.8 | 3.6 | 26.5 | 26.2 | 0.3 |
| 1981 | 32.2 | 24.7 | 7.5 | 5.7 | 1.5 | 4.2 | 14.0 | 11.1 | 2.9 | 12.1 | 11.8 | 0.3 |
| 1982 | 31.8 | 23.8 | 8.0 | 3.8 | 1.1 | 2.7 | 13.5 | 8.8 | 4.7 | 14.2 | 13.9 | 0.3 |
| 1983 | 38.5 | 29.7 | 8.8 | 4.3 | 1.3 | 3.0 | 15.7 | 10.3 | 5.4 | 18.3 | 18.1 | 0.2 |
| 1984 | 41.3 | 31.2 | 10.1 | 4.5 | 1.2 | 3.3 | 17.1 | 10.7 | 6.4 | 19.5 | 19.3 | 0.2 |
| 1985 | 40.9 | 31.3 | 9.6 | 4.2 | 1.2 | 3.0 | 15.9 | 10.2 | 5.7 | 20.1 | 19.9 | 0.2 |
| 1986 | 45.8 | 35.3 | 10.5 | 5.0 | 1.4 | 3.6 | 18.8 | 11.7 | 7.1 | 22.4 | 22.2 | 0.2 |
| 1987 | 49.5 | 38.2 | 11.3 | 5.3 | 1.5 | 3.8 | 19.9 | 12.3 | 7.6 | 24.8 | 24.5 | 0.3 |
| 1988 | 49.9 | 38.1 | 11.7 | 5.3 | 1.4 | 3.9 | 20.7 | 12.7 | 8.0 | 24.3 | 24.0 | 0.3 |
| 1989 | 49.6 | 37.5 | 12.1 | 4.4 | 1.2 | 3.2 | 21.2 | 12.3 | 8.9 | 24.3 | 24.0 | 0.3 |
| 1990 | 48.1 | 35.8 | 12.3 | 3.9 | 1.5 | 2.4 | 22.5 | 12.6 | 9.9 | 22.1 | 21.7 | 0.4 |
| 1991 | 44.3 | 33.2 | 11.2 | 4.8 | 1.5 | 3.3 | 20.0 | 12.1 | 7.9 | 20.0 | 19.6 | 0.4 |
| 1992 | 45.9 | 34.5 | 11.4 | 4.7 | 1.6 | 3.1 | 21.1 | 13.0 | 8.1 | 20.3 | 19.9 | 0.4 |
| 1993 | 45.2 | 32.9 | 12.2 | 7.8 | 1.9 | 5.9 | 21.0 | 15.4 | 5.6 | 16.0 | 15.6 | 0.4 |
| 1994 | 46.5 | 34.1 | 12.4 | 8.0 | 1.9 | 6.1 | 21.8 | 16.0 | 5.8 | 16.6 | 16.2 | 0.4 |
| 1995 | 44.9 | 32.2 | 12.6 | 8.1 | 1.9 | 6.1 | 21.1 | 15.3 | 5.8 | 15.4 | 15.0 | 0.4 |
| 1996 | 45.8 | 33.3 | 12.5 | 7.9 | 2.0 | 5.9 | 22.0 | 15.7 | 6.3 | 16.7 | 16.3 | 0.4 |
| 1997 | 47.3 | 34.7 | 12.7 | 9.2 | 2.1 | 7.1 | 20.5 | 15.6 | 4.9 | 17.1 | 16.6 | 0.5 |
| 1998 | 47.4 | 34.7 | 12.7 | 9.2 | 2.1 | 7.1 | 20.6 | 15.6 | 5.0 | 17.2 | 16.6 | 0.5 |
| 1999 | 49.5 | 36.6 | 12.9 | 9.4 | 2.2 | 7.2 | 21.5 | 16.5 | 5.0 | 18.1 | 17.6 | 0.5 |
| 2000 | 48.6 | 36.0 | 12.6 | 9.2 | 2.2 | 7.1 | 21.1 | 16.2 | 4.9 | 17.8 | 17.3 | 0.5 |
| 2001 | 46.4 | 34.6 | 11.8 | 8.7 | 2.1 | 6.6 | 20.2 | 15.6 | 4.6 | 17.1 | 16.6 | 0.5 |
| 2002 | 48.2 | 36.4 | 11.8 | 8.8 | 2.2 | 6.6 | 21.0 | 16.4 | 4.6 | 18.0 | 17.5 | 0.5 |

[a]The West includes: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, South Dakota, Utah, Washington, and Wyoming. The South includes: Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, and Virginia. The North includes: the remaining 24 states.

[b]U.S. Department of Commerce, Bureau of the Census (59); American Forest and Paper Association (4); Data may not add to totals because of rounding.

[c]Western Wood Products Association (83).

**Table 30—Lumber production in the United States, 1965–2002 (million board feet)**

| | Softwood | | | | | | | Hardwood | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | USDC[c,r] | | | | | Luppold and | |
| Year | Howard[a] | 89 RPA[b] | USDC[c,r] | AF&Pa[d,r] | WWPA[e] | Adams[f] | Final[g] | Howard[a] | 89 RPA[b] | Total | West | AF&PA[d] | WWPA[e] | Adams[f] | Dempsey[h,r] | Final[i,r] |
| 1965 | 29,295 | 29,295 | 29,295 | 29,240 | 28,230 | 28,149 | 29,295 | 9,440 | 9,431 | 7,467 | 161 | 7,655 | 7,467 | 9,447 | 9,279 | 9,440 |
| 1966 | 28,847 | 28,847 | 28,847 | z | 27,973 | 27,879 | 28,847 | 9,771 | 9,771 | 7,737 | 204 | z | 7,737 | 9,782 | 9,567 | 9,771 |
| 1967 | 28,172 | 28,172 | 28,172 | z | 27,069 | 26,978 | 28,172 | 9,311 | 9,311 | 7,430 | 197 | z | 7,430 | 9,320 | 9,114 | 9,311 |
| 1968 | 29,285 | 30,224 | 29,285 | z | 28,936 | 28,832 | 29,285 | 8,430 | 8,432 | 7,188 | 156 | z | 7,188 | 8,795 | 8,579 | 8,735 |
| 1969 | 28,342 | 28,342 | 28,342 | z | 27,900 | 28,193 | 28,342 | 7,844 | 7,849 | 7,482 | 157 | z | 7,482 | 8,739 | 8,570 | 8,727 |
| 1970 | 27,530 | 27,297 | 27,530 | z | 27,107 | 27,001 | 27,530 | 7,715 | 7,701 | 7,138 | 127 | z | 7,138 | 8,340 | 8,203 | 8,330 |
| 1971 | 30,039 | 30,040 | 30,039 | z | 29,432 | 29,327 | 30,039 | 8,107 | 8,106 | 6,949 | 142 | z | 6,949 | 8,454 | 8,305 | 8,447 |
| 1972 | 30,975 | 30,975 | 30,975 | z | 30,873 | 30,763 | 30,975 | 8,245 | 8,230 | 6,770 | 139 | z | 6,770 | 8,502 | 8,355 | 8,494 |
| 1973 | 31,586 | 31,586 | 31,586 | z | 31,289 | 31,149 | 31,586 | 8,792 | 8,792 | 7,009 | 151 | z | 7,008 | 8,802 | 8,641 | 8,792 |
| 1974 | 27,704 | 28,357 | 27,704 | z | 27,193 | 27,059 | 27,704 | 8,448 | 8,448 | 6,904 | 189 | z | 6,904 | 8,459 | 8,259 | 8,448 |
| 1975 | 26,747 | 26,148 | 26,747 | z | 25,711 | 25,602 | 26,747 | 7,304 | 7,304 | 5,872 | 146 | z | 5,872 | 7,309 | 7,158 | 7,304 |
| 1976 | 30,600 | 30,274 | 30,571 | 29,693 | 29,693 | 29,510 | 29,693 | 7,977 | 7,978 | 6,427 | 177 | 7,801 | 6,417 | 7,983 | 7,800 | 7,977 |
| 1977 | 32,700 | 32,159 | 32,661 | 31,737 | 31,737 | 31,496 | 31,737 | 8,500 | 8,500 | 6,701 | 184 | 8,317 | 6,680 | 8,506 | 8,316 | 8,500 |
| 1978 | 33,500 | 32,585 | 33,467 | 32,057 | 32,057 | 31,698 | 32,057 | 8,960 | 8,959 | 7,031 | 232 | 8,728 | 8,728 | 8,963 | 8,728 | 8,960 |
| 1979 | 33,300 | 31,942 | 33,255 | 31,432 | 31,432 | 31,044 | 31,432 | 9,308 | 9,305 | 7,314 | 238 | 9,069 | 9,069 | 9,313 | 9,070 | 9,308 |
| 1980 | 28,200 | 26,966 | 28,239 | 26,246 | 26,246 | 25,632 | 26,246 | 9,147 | 9,087 | 7,115 | 297 | 8,860 | 8,860 | 9,160 | 8,860 | 9,157 |
| 1981 | 25,400 | 24,956 | 25,432 | 24,676 | 24,676 | 24,518 | 24,676 | 8,046 | 8,018 | 6,252 | 334 | 7,147 | 7,147 | 7,378 | 7,146 | 7,480 |
| 1982 | 23,787 | 24,098 | 24,949 | 23,787 | 23,787 | 23,631 | 23,787 | 7,946 | 7,854 | 5,061 | 329 | 7,668 | 7,668 | 7,995 | 7,667 | 7,996 |
| 1983 | 29,726 | 29,991 | 28,926 | 29,726 | 29,726 | 29,547 | 29,726 | 8,767 | 8,822 | 5,627 | 211 | 8,556 | 8,556 | 8,768 | 8,556 | 8,767 |
| 1984 | 31,174 | 31,192 | 30,801 | 31,174 | 31,174 | 30,945 | 31,174 | 9,844 | 9,826 | 6,264 | 211 | 9,865 | 9,865 | 10,082 | 9,879 | 10,090 |
| 1985 | 31,321 | 30,853 | 30,479 | 31,321 | 31,321 | 31,092 | 31,321 | 9,537 | 9,474 | 5,966 | 204 | 8,866 | 8,866 | 9,597 | 9,394 | 9,597 |
| 1986 | 35,273 | 34,700 | 34,815 | 35,273 | 35,273 | 35,003 | 35,273 | 10,347 | 10,311 | 7,184 | 249 | 10,877 | 10,877 | 10,819 | 10,228 | 10,477 |
| 1987 | 38,325 | z | 37,410 | 38,235 | 38,235 | 38,039 | 38,235 | 11,263 | z | 7,476 | 253 | 11,695 | 11,695 | 11,465 | 11,010 | 11,263 |
| 1988 | 38,130 | z | 36,845 | 38,130 | 38,130 | 37,826 | 38,130 | 11,741 | z | 7,731 | 275 | 12,170 | 12,170 | 12,151 | 11,466 | 11,741 |
| 1989 | 37,545 | z | 36,040 | 37,545 | 37,225 | 37,225 | 37,545 | 11,944 | z | 7,536 | 313 | 12,415 | 12,415 | 12,236 | 11,743 | 12,056 |
| 1990 | 35,791 | z | 36,224 | 35,791 | 35,459 | 35,459 | 35,791 | 12,021 | z | 7,242 | 374 | 12,660 | 12,660 | 12,369 | 11,947 | 12,321 |
| 1991 | 33,161 | z | 33,064 | 33,161 | 32,800 | 32,800 | 33,161 | 11,046 | z | 6,766 | 363 | 11,633 | 11,633 | 11,383 | 10,805 | 11,168 |
| 1992 | 34,526 | z | 33,704 | 34,526 | 34,151 | 34,151 | 34,526 | 11,423 | z | 7,050 | 416 | 11,639 | 11,639 | 11,630 | 11,007 | 11,423 |
| 1993 | 32,947 | z | 34,725 | 32,947 | 32,517 | 32,517 | 32,947 | 11,732 | z | 10,631 | 438 | 11,914 | 11,914 | 12,170 | 11,781 | 12,219 |
| 1994 | 34,107 | z | 35,556 | 34,107 | 33,657 | 33,657 | 34,107 | 11,108 | z | 10,910 | 445 | 12,311 | 12,311 | 12,311 | 11,940 | 12,385 |
| 1995 | 32,233 | z | 33,043 | 32,233 | 31,782 | 31,782 | 32,233 | 11,307 | z | 10,928 | 441 | 12,434 | 12,434 | 12,434 | 12,203 | 12,644 |
| 1996 | 33,266 | z | 34,065 | 33,266 | 32,859 | 32,859 | 33,266 | 12,725 | z | 10,690 | 449 | z | z | 12,705 | 12,039 | 12,488 |
| 1997 | 34,667 | z | 35,457 | 34,667 | 34,663 | 34,662 | 34,667 | 12,921 | z | 11,103 | 468 | z | z | z | 12,205 | 12,673 |
| 1998 | 34,677 | z | 35,896 | 34,677 | 34,678 | z | 34,677 | 12,729 | z | 11,367 | 407 | z | z | z | 12,322 | 12,729 |
| 1999 | 36,605 | z | 38,033 | 36,605 | 36,816 | z | 36,605 | 12,927 | z | 12,523 | 508 | z | z | z | 12,419 | 12,927 |
| 2000 | 35,967 | z | 37,147 | 35,967 | 35,965 | z | 35,967 | 12,598 | z | 12,298 | 518 | z | z | z | 12,080 | 12,598 |
| 2001 | 34,577 | z | 35,479 | 34,577 | 34,579 | z | 34,577 | 11,834 | z | 11,109 | 475 | z | z | z | 11,359 | 11,834 |
| 2002 | 36,420 | z | 36,329 | 36,420 | 36,418 | z | 36,420 | 11,750 | z | 11,030 | 470 | z | z | z | 11,280 | 11,750 |

[a]Data derived from Table 28.

[b]U.S. Department of Agriculture, Forest Service (51).

[c]U.S. Department of Commerce, Bureau of the Census (59).

[d]1950-1965: National Forest Products Association. 1966. Forest Industry facts 1966. Washington, DC: National Forest Products Association. 31 p.
1986-Present: American Forest and Paper Association (4).

[e]Western Wood Products Associaton (84).

[f]Adams (1).

[g]Final estimated Forest Service softwood lumber production series: 1950-1975: USDC Bureau of the Census. 1998. 1976-present AF&PA 1998 (7).

[h]Luppold and Dempsey (24). Estimated Eastern hardwood lumber production.

[i]Final estimated Forest Service hardwood lumber production series: 1965-1998: Luppold and Dempsey (24) and USDC Bureau of the Census 1998 - West (59).

[r]1996-1999 numbers revised.

[z]Not available.

**Table 31—United States lumber imports, by softwoods and hardwoods and country of origin, 1965–2002 (million board feet)[a]**

| | All species | | | | Softwoods | | | | Hardwoods | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | Total | Canada | Mexico | Other[b] | Total[c] | Canada | Mexico | Other[b] | Total | Canada | Mexico | Other[b] |
| 1965 | 5,232.4 | 5,016.6 | 10.1 | 205.7 | 4,898.1 | 4,855.7 | 8.1 | 34.3 | 334.3 | 160.9 | 2.0 | 171.4 |
| 1966 | 5,200.0 | 4,920.9 | 5.2 | 273.9 | 4,779.2 | 4,730.4 | 3.7 | 45.1 | 420.8 | 190.5 | 1.5 | 228.8 |
| 1967 | 5,140.8 | 4,902.5 | 5.6 | 232.7 | 4,798.1 | 4,747.1 | 3.1 | 47.9 | 342.7 | 155.4 | 2.5 | 184.8 |
| 1968 | 6,154.2 | 5,899.2 | 4.0 | 251.0 | 5,809.1 | 5,750.0 | 3.2 | 55.9 | 345.1 | 149.2 | 0.8 | 195.1 |
| 1969 | 6,300.6 | 5,963.4 | 6.6 | 330.6 | 5,854.0 | 5,784.4 | 5.8 | 63.8 | 446.6 | 179.0 | 0.8 | 266.8 |
| 1970 | 6,114.4 | 5,867.6 | 7.5 | 239.3 | 5,777.7 | 5,722.5 | 5.5 | 49.7 | 336.7 | 145.1 | 2.0 | 189.6 |
| 1971 | 7,589.4 | 7,314.5 | 6.5 | 268.4 | 7,231.7 | 7,172.0 | 4.9 | 54.8 | 357.7 | 142.5 | 1.6 | 213.6 |
| 1972 | 9,433.6 | 9,029.2 | 20.5 | 383.9 | 8,984.8 | 8,877.8 | 18.6 | 88.4 | 448.8 | 151.4 | 1.9 | 295.5 |
| 1973 | 9,568.6 | 8,999.3 | 20.4 | 548.9 | 9,019.9 | 8,843.9 | 17.5 | 158.5 | 548.7 | 155.4 | 2.9 | 390.4 |
| 1974 | 7,270.8 | 6,847.3 | 6.1 | 417.4 | 6,821.1 | 6,732.2 | 2.4 | 86.5 | 449.7 | 115.1 | 3.7 | 330.9 |
| 1975 | 5,975.8 | 5,738.8 | 28.5 | 208.5 | 5,723.8 | 5,677.0 | 0.4 | 46.4 | 252.0 | 61.8 | 28.1 | 162.1 |
| 1976 | 8,246.8 | 7,995.3 | 1.0 | 250.5 | 7,958.5 | 7,912.6 | 0.8 | 45.1 | 288.3 | 82.7 | 0.2 | 205.4 |
| 1977 | 10,713.3 | 10,408.0 | 7.0 | 298.3 | 10,369.6 | 10,327.0 | 1.2 | 41.4 | 343.7 | 81.0 | 5.8 | 256.9 |
| 1978 | 12,214.6 | 11,879.4 | 11.9 | 323.3 | 11,853.2 | 11,776.7 | 11.3 | 65.2 | 361.4 | 102.7 | 0.6 | 258.1 |
| 1979 | 11,529.5 | 11,187.6 | 4.7 | 337.2 | 11,153.3 | 11,100.9 | 3.1 | 49.3 | 376.2 | 86.7 | 1.6 | 287.9 |
| 1980 | 9,866.1 | 9,618.7 | 2.9 | 244.5 | 9,572.9 | 9,546.3 | 2.5 | 24.1 | 293.2 | 72.4 | 0.4 | 220.4 |
| 1981 | 9,523.2 | 9,285.4 | 1.8 | 236.0 | 9,232.1 | 9,208.1 | 1.5 | 22.5 | 291.1 | 77.3 | 0.3 | 213.5 |
| 1982 | 9,360.5 | 9,191.8 | 6.5 | 162.2 | 9,149.5 | 9,114.9 | 1.1 | 33.5 | 211.0 | 76.9 | 5.4 | 128.7 |
| 1983 | 12,253.5 | 12,039.6 | 13.6 | 200.3 | 11,993.0 | 11,962.7 | 12.0 | 18.3 | 260.5 | 76.9 | 1.6 | 182.0 |
| 1984 | 13,632.1 | 13,342.8 | 14.6 | 274.7 | 13,304.4 | 13,252.3 | 11.8 | 40.3 | 327.7 | 90.5 | 2.8 | 234.4 |
| 1985 | 14,995.6 | 14,636.1 | 12.2 | 347.3 | 14,632.0 | 14,531.7 | 11.8 | 88.5 | 363.6 | 104.4 | 0.4 | 258.8 |
| 1986 | 14,585.1 | 14,250.0 | 32.8 | 302.3 | 14,238.2 | 14,142.3 | 31.9 | 64.0 | 346.9 | 107.7 | 0.9 | 238.3 |
| 1987 | 15,191.5 | 14,763.3 | 55.1 | 373.1 | 14,680.4 | 14,600.8 | 54.1 | 25.5 | 511.1 | 162.5 | 1.0 | 347.6 |
| 1988 | 13,777.8 | 12,999.2 | 72.9 | 705.7 | 13,473.0 | 12,855.2 | 72.5 | 545.2 | 304.8 | 144.0 | 0.3 | 160.5 |
| 1989 | 15,258.4 | 13,964.2 | 193.4 | 1,100.8 | 14,909.0 | 13,761.2 | 193.0 | 954.8 | 349.4 | 202.9 | 0.4 | 146.0 |
| 1990 | 13,106.7 | 11,918.4 | 360.4 | 827.8 | 12,875.0 | 11,804.7 | 360.3 | 710.0 | 231.7 | 113.6 | 0.2 | 117.8 |
| 1991 | 11,725.2 | 11,517.6 | 48.0 | 159.6 | 11,515.0 | 11,410.8 | 47.8 | 56.4 | 210.2 | 106.8 | 0.2 | 103.2 |
| 1992 | 13,449.9 | 13,207.9 | 53.3 | 188.7 | 13,190.0 | 13,055.1 | 53.1 | 81.9 | 259.9 | 152.8 | 0.2 | 106.8 |
| 1993 | 15,399.5 | 15,059.7 | 51.7 | 288.1 | 15,086.0 | 14,856.2 | 51.6 | 178.3 | 313.5 | 203.5 | 0.2 | 109.8 |
| 1994 | 16,593.3 | 16,103.5 | 51.6 | 438.1 | 16,224.0 | 15,871.6 | 51.4 | 301.0 | 369.3 | 231.9 | 0.2 | 137.1 |
| 1995 | 17,556.3 | 16,989.5 | 108.8 | 458.0 | 17,202.0 | 16,780.5 | 106.2 | 315.3 | 354.3 | 209.0 | 2.7 | 142.7 |
| 1996 | 18,397.8 | 17,823.6 | 120.9 | 453.3 | 18,021.0 | 17,593.2 | 117.6 | 310.2 | 376.8 | 230.4 | 3.3 | 143.1 |
| 1997 | 18,451.2 | 17,535.7 | 124.4 | 791.1 | 18,000.0 | 17,235.5 | 120.0 | 644.5 | 451.2 | 300.2 | 4.4 | 146.6 |
| 1998 | 19,234.5 | 18,227.8 | 70.1 | 936.7 | 18,685.7 | 17,838.0 | 66.5 | 781.2 | 548.8 | 389.8 | 3.5 | 155.5 |
| 1999 | 19,854.2 | 18,486.5 | 58.3 | 1,309.4 | 19,178.0 | 18,021.2 | 56.9 | 1,099.9 | 676.2 | 465.4 | 1.4 | 209.5 |
| 2000 | 20,243.3 | 18,615.6 | 31.3 | 1,596.4 | 19,448.6 | 18,104.8 | 30.5 | 1,313.4 | 794.7 | 510.8 | 0.8 | 283.0 |
| 2001 | 20,720.1 | 18,930.3 | 27.7 | 1,762.1 | 20,074.5 | 18,503.0 | 27.2 | 1,544.3 | 645.6 | 427.3 | 0.5 | 217.8 |
| 2002 | 21,724.1 | 19,397.3 | 19.6 | 2,307.2 | 20,985.6 | 18,922.8 | 19.2 | 2,043.7 | 738.5 | 474.5 | 0.4 | 263.6 |

[a]U.S. Department of Agriculture, Foreign Agricultural Service (41); U.S. International Trade Commission (81); U.S. Department of Commerce, Bureau of the Census (59)
Data may not add to totals because of rounding.
[b]For the years 1974 to 1977, all imports with a value of less than $500 are included in Other.
[c]Includes small volumes of hardwoods.

**Table 32—United States lumber exports, by softwoods and hardwoods and country or region of destination, 1965–2002 (million board feet)[a]**

| | All species | | | | | | Softwoods | | | | | | Hardwoods | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | Total | Canada | European Union[b] | Central and South America[c] | Japan | Other | Total | Canada | European Union | Central and South America | Japan | Other | Total | Canada | European Union | Central and South America | Japan | Other |
| 1965 | 919.1 | 285.1 | 249.4 | 1.1 | 105.7 | 277.8 | 778.9 | 184.0 | 229.3 | 1.0 | 103.1 | 261.5 | 140.2 | 101.1 | 20.1 | 0.1 | 2.6 | 16.3 |
| 1966 | 1,022.6 | 309.0 | 250.2 | 1.3 | 174.4 | 287.7 | 867.9 | 186.5 | 230.3 | 1.2 | 171.3 | 278.6 | 154.7 | 122.5 | 19.9 | 0.1 | 3.1 | 9.1 |
| 1967 | 1,129.5 | 338.0 | 261.0 | 1.1 | 265.8 | 263.6 | 965.2 | 207.6 | 241.0 | 1.1 | 260.7 | 254.8 | 164.3 | 130.4 | 20.0 | 0.0 | 5.1 | 8.8 |
| 1968 | 1,161.7 | 295.4 | 304.3 | 1.2 | 288.6 | 272.2 | 1,048.1 | 210.4 | 288.9 | 1.1 | 284.8 | 262.9 | 113.6 | 85.0 | 15.4 | 0.1 | 3.8 | 9.3 |
| 1969 | 1,142.2 | 285.0 | 278.3 | 1.1 | 317.3 | 260.5 | 1,023.8 | 198.3 | 264.6 | 1.0 | 309.6 | 250.3 | 118.4 | 86.7 | 13.7 | 0.1 | 7.7 | 10.2 |
| 1970 | 1,243.4 | 269.9 | 299.3 | 1.3 | 383.5 | 289.4 | 1,115.5 | 202.6 | 281.8 | 1.1 | 359.6 | 270.4 | 127.9 | 67.3 | 17.5 | 0.2 | 23.9 | 19.0 |
| 1971 | 1,093.6 | 289.3 | 239.0 | 1.0 | 323.1 | 241.2 | 933.3 | 206.3 | 213.8 | 0.9 | 287.4 | 224.9 | 160.3 | 83.0 | 25.2 | 0.1 | 35.7 | 16.3 |
| 1972 | 1,428.3 | 419.5 | 286.0 | 1.0 | 478.7 | 243.1 | 1,191.1 | 290.1 | 267.9 | 0.9 | 407.2 | 225.0 | 237.2 | 129.4 | 18.1 | 0.1 | 71.5 | 18.1 |
| 1973 | 1,965.9 | 548.4 | 517.0 | 1.2 | 569.1 | 330.2 | 1,752.7 | 388.5 | 488.3 | 1.0 | 564.4 | 310.5 | 213.2 | 159.9 | 28.7 | 0.2 | 4.7 | 19.7 |
| 1974 | 1,765.4 | 522.3 | 347.4 | 1.1 | 573.9 | 320.7 | 1,566.5 | 382.2 | 311.3 | 1.0 | 570.5 | 301.5 | 198.9 | 140.1 | 36.1 | 0.1 | 3.4 | 19.2 |
| 1975 | 1,618.1 | 549.4 | 244.9 | 1.3 | 516.8 | 305.7 | 1,405.4 | 397.5 | 218.7 | 1.1 | 515.3 | 272.8 | 212.7 | 151.9 | 26.2 | 0.2 | 1.5 | 32.9 |
| 1976 | 1,846.0 | 619.7 | 354.5 | 1.4 | 478.0 | 392.4 | 1,605.5 | 437.9 | 316.3 | 1.3 | 475.1 | 374.9 | 240.5 | 181.8 | 38.2 | 0.1 | 2.9 | 17.5 |
| 1977 | 1,665.6 | 537.4 | 336.6 | 1.5 | 439.6 | 350.5 | 1,427.7 | 365.5 | 288.6 | 1.4 | 436.7 | 335.5 | 237.9 | 171.9 | 48.0 | 0.1 | 2.9 | 15.0 |
| 1978 | 1,740.9 | 648.4 | 347.4 | 1.3 | 411.3 | 332.5 | 1,353.9 | 374.4 | 257.6 | 1.3 | 407.6 | 313.0 | 387.0 | 274.0 | 89.8 | 0.0 | 3.7 | 19.5 |
| 1979 | 2,186.5 | 651.5 | 456.1 | 2.0 | 647.6 | 429.3 | 1,781.3 | 427.6 | 345.6 | 1.9 | 640.5 | 365.7 | 361.1 | 223.9 | 110.5 | 0.1 | 7.1 | 19.5 |
| 1980 | 2,506.8 | 631.3 | 594.7 | 3.6 | 648.9 | 628.3 | 2,006.5 | 388.3 | 429.2 | 3.2 | 633.9 | 551.9 | 487.5 | 243.0 | 165.5 | 0.4 | 15.0 | 63.6 |
| 1981 | 2,379.0 | 729.1 | 398.3 | 4.0 | 524.3 | 723.3 | 1,927.8 | 509.1 | 234.4 | 3.6 | 506.5 | 674.2 | 478.5 | 220.0 | 163.9 | 0.4 | 17.8 | 76.4 |
| 1982 | 2,050.3 | 418.9 | 410.6 | 3.1 | 627.9 | 589.8 | 1,634.9 | 261.9 | 248.2 | 2.9 | 610.7 | 511.2 | 385.9 | 157.0 | 162.4 | 0.2 | 17.2 | 49.1 |
| 1983 | 2,319.1 | 664.1 | 458.8 | 2.3 | 631.6 | 562.3 | 1,755.6 | 433.2 | 290.6 | 2.0 | 595.3 | 434.5 | 514.3 | 230.9 | 168.2 | 0.3 | 36.3 | 78.6 |
| 1984 | 2,121.0 | 555.7 | 345.0 | 2.7 | 602.4 | 615.2 | 1,623.6 | 347.7 | 212.0 | 2.1 | 545.0 | 516.8 | 526.8 | 208.0 | 133.0 | 0.6 | 57.4 | 127.8 |
| 1985 | 1,840.9 | 431.3 | 277.0 | 5.3 | 617.6 | 509.7 | 1,420.1 | 300.7 | 177.3 | 4.7 | 574.2 | 363.2 | 372.7 | 130.6 | 99.7 | 0.6 | 43.4 | 98.4 |
| 1986 | 2,422.0 | 510.1 | 395.3 | 10.6 | 888.3 | 617.7 | 1,888.4 | 361.2 | 253.3 | 10.0 | 827.0 | 436.9 | 499.3 | 148.9 | 142.0 | 0.6 | 61.3 | 146.5 |
| 1987 | 3,241.0 | 648.0 | 528.1 | 9.0 | 1,200.5 | 855.4 | 2,447.0 | 445.8 | 309.5 | 8.1 | 1,077.2 | 606.4 | 725.8 | 202.2 | 218.6 | 0.9 | 123.3 | 180.8 |
| 1988 | 4,347.8 | 753.7 | 891.0 | 5.0 | 1,532.4 | 1,165.7 | 3,227.5 | 493.9 | 490.5 | 3.5 | 1,280.0 | 959.6 | 1,163.2 | 259.8 | 400.5 | 1.5 | 252.4 | 249.0 |
| 1989 | 4,136.9 | 642.7 | 673.1 | 7.7 | 1,614.2 | 1,199.1 | 3,339.6 | 457.1 | 397.0 | 6.7 | 1,457.8 | 1,021.0 | 825.3 | 185.6 | 276.1 | 1.0 | 156.4 | 206.1 |
| 1990 | 4,614.4 | 657.6 | 685.8 | 6.7 | 1,270.3 | 1,994.0 | 3,752.9 | 422.7 | 412.0 | 6.0 | 1,145.1 | 1,767.1 | 812.8 | 234.9 | 273.8 | 0.7 | 125.2 | 178.1 |
| 1991 | 3,880.1 | 564.8 | 753.7 | 10.7 | 1,215.7 | 1,335.2 | 2,999.5 | 365.4 | 429.2 | 10.2 | 1,086.1 | 1,108.6 | 880.9 | 199.4 | 324.5 | 0.5 | 129.6 | 226.9 |
| 1992 | 3,512.5 | 571.7 | 735.1 | 9.3 | 1,112.9 | 1,083.5 | 2,567.3 | 313.8 | 399.2 | 8.3 | 1,003.6 | 842.5 | 930.8 | 258.0 | 335.9 | 1.0 | 109.3 | 226.6 |
| 1993 | 3,280.3 | 566.0 | 548.1 | 4.7 | 1,180.5 | 980.9 | 2,291.5 | 267.0 | 242.8 | 3.7 | 1,063.2 | 714.8 | 963.7 | 299.0 | 305.3 | 1.0 | 117.4 | 241.0 |
| 1994 | 3,115.3 | 610.7 | 543.8 | 7.2 | 1,056.6 | 897.0 | 2,078.0 | 285.5 | 230.5 | 6.4 | 958.4 | 597.2 | 1,003.5 | 325.1 | 313.3 | 0.8 | 98.2 | 266.1 |
| 1995 | 2,957.8 | 650.3 | 513.4 | 5.9 | 978.2 | 810.0 | 1,872.1 | 312.5 | 201.5 | 4.7 | 871.6 | 481.8 | 1,057.3 | 337.8 | 311.9 | 1.2 | 106.6 | 299.8 |
| 1996 | 2,897.9 | 664.3 | 485.3 | 7.2 | 961.3 | 779.8 | 1,788.7 | 312.3 | 178.2 | 5.3 | 860.7 | 432.2 | 1,089.8 | 352.0 | 307.1 | 1.9 | 100.6 | 328.2 |
| 1997 | 2,933.4 | 713.3 | 592.3 | 15.9 | 796.6 | 815.3 | 1,709.4 | 329.3 | 206.2 | 14.0 | 692.2 | 467.7 | 1,224.0 | 384.0 | 386.1 | 1.9 | 104.4 | 347.6 |
| 1998 | 2,189.4 | 576.3 | 560.8 | 15.3 | 355.4 | 681.5 | 1,129.2 | 230.6 | 207.0 | 10.8 | 297.5 | 383.3 | 1,060.2 | 345.7 | 353.8 | 4.5 | 57.9 | 298.2 |
| 1999 | 2,548.6 | 659.3 | 555.8 | 11.1 | 353.2 | 969.1 | 1,366.5 | 255.4 | 214.2 | 7.3 | 288.7 | 600.9 | 1,182.1 | 404.0 | 341.6 | 3.9 | 64.5 | 368.1 |
| 2000 | 2,700.0 | 700.7 | 506.5 | 12.7 | 325.4 | 1,154.7 | 1,400.0 | 265.2 | 151.8 | 10.6 | 274.8 | 697.6 | 1,300.0 | 435.6 | 354.7 | 2.1 | 50.6 | 457.1 |
| 2001 | 2,190.3 | 571.3 | 391.3 | 5.1 | 226.6 | 996.0 | 968.8 | 186.4 | 86.3 | 2.4 | 180.2 | 513.4 | 1,221.5 | 384.9 | 304.9 | 2.7 | 46.4 | 482.6 |
| 2002 | 2,185.7 | 583.8 | 357.8 | 3.8 | 154.8 | 1,085.5 | 966.4 | 173.2 | 73.2 | 2.0 | 115.1 | 602.8 | 1,219.3 | 410.6 | 284.6 | 1.8 | 39.6 | 482.6 |

[a]U.S. Department of Agriculture, Foreign Agricultural Service (41); Data may not add to totals because of rounding.

[b]Includes Belgium–Luxembourg, Denmark, France, Germany, Greece, Ireland, Italy, the Netherlands, Portugal, Spain, Trieste, and the United Kingdom.

[c]Includes Mexico.

**Table 33—Lumber[a] production in Canada, by softwoods and hardwoods and region, 1965–2002 (billion board feet)[b]**

| | | Softwoods | | | | | Hardwoods | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | British Columbia[c] | | | Other | | British | Other |
| Year | All species | Total | Total | Coast | Interior | Canada | Total | Columbia | Canada |
| 1965 | 10.8 | 10.3 | 7.4 | 3.6 | 3.8 | 2.9 | 0.5 | [z] | 0.5 |
| 1966 | 10.6 | 10.0 | 7.3 | 3.7 | 3.6 | 2.7 | 0.6 | [z] | 0.6 |
| 1967 | 10.3 | 9.7 | 7.1 | 3.9 | 3.2 | 2.6 | 0.6 | [z] | 0.6 |
| 1968 | 11.4 | 10.8 | 7.8 | 4.1 | 3.7 | 3.0 | 0.6 | [d] | 0.6 |
| 1969 | 11.5 | 11.0 | 7.7 | 3.8 | 3.9 | 3.3 | 0.5 | [d] | 0.5 |
| 1970 | 11.3 | 10.8 | 7.7 | 3.8 | 3.9 | 3.1 | 0.5 | [d] | 0.5 |
| 1971 | 12.8 | 12.3 | 9.0 | 4.2 | 4.8 | 3.3 | 0.5 | [d] | 0.5 |
| 1972 | 13.9 | 13.4 | 9.5 | 4.0 | 5.5 | 3.9 | 0.5 | [d] | 0.5 |
| 1973 | 15.5 | 14.9 | 10.4 | 4.4 | 6.0 | 4.5 | 0.6 | [d] | 0.6 |
| 1974 | 13.6 | 13.0 | 8.7 | 3.4 | 5.3 | 4.3 | 0.6 | [d] | 0.6 |
| 1975 | 11.5 | 11.1 | 7.4 | 2.5 | 4.9 | 3.7 | 0.4 | [d] | 0.4 |
| 1976 | 15.6 | 15.1 | 10.6 | 4.0 | 6.6 | 4.5 | 0.5 | [d] | 0.5 |
| 1977 | 17.6 | 17.2 | 12.0 | 4.5 | 7.5 | 5.2 | 0.4 | [d] | 0.4 |
| 1978 | 19.0 | 18.4 | 12.5 | 4.8 | 7.7 | 5.9 | 0.6 | [d] | 0.6 |
| 1979 | 19.8 | 19.3 | 12.9 | 4.7 | 8.2 | 6.4 | 0.5 | [d] | 0.5 |
| 1980 | 19.0 | 18.4 | 11.9 | 4.2 | 7.7 | 6.5 | 0.6 | [d] | 0.6 |
| 1981 | 17.0 | 16.6 | 10.4 | 3.5 | 6.9 | 6.2 | 0.4 | [d] | 0.4 |
| 1982 | 15.6 | 15.2 | 9.9 | 3.0 | 6.9 | 5.3 | 0.4 | [d] | 0.4 |
| 1983 | 20.5 | 20.1 | 13.0 | 4.1 | 8.9 | 7.1 | 0.4 | [d] | 0.4 |
| 1984 | 20.7 | 20.2 | 13.1 | 3.9 | 9.2 | 7.1 | 0.5 | [d] | 0.5 |
| 1985 | 22.0 | 21.6 | 13.6 | 3.6 | 10.0 | 8.0 | 0.4 | [d] | 0.4 |
| 1986 | 22.4 | 21.9 | 13.1 | 3.7 | 9.4 | 8.8 | 0.5 | [d] | 0.5 |
| 1987 | 26.2 | 25.6 | 15.9 | 4.7 | 11.2 | 9.7 | 0.6 | [d] | 0.6 |
| 1988 | 25.7 | 25.1 | 15.6 | 4.6 | 11.0 | 9.5 | 0.6 | [d] | 0.6 |
| 1989 | 25.0 | 24.5 | 15.2 | 4.1 | 11.1 | 9.3 | 0.5 | [d] | 0.5 |
| 1990 | 23.1 | 22.7 | 14.2 | 3.8 | 10.4 | 8.5 | 0.4 | [d] | 0.4 |
| 1991 | 21.9 | 21.5 | 13.3 | 3.5 | 9.8 | 8.2 | 0.4 | [d] | 0.4 |
| 1992 | 23.6 | 23.1 | 14.1 | 3.5 | 10.6 | 9.0 | 0.5 | [d] | 0.5 |
| 1993 | 25.3 | 24.8 | 14.4 | 3.6 | 10.8 | 10.4 | 0.5 | [d] | 0.5 |
| 1994 | 26.1 | 25.6 | 14.3 | 3.7 | 10.6 | 11.3 | 0.5 | [d] | 0.5 |
| 1995 | 26.0 | 25.5 | 13.8 | 3.5 | 10.4 | 11.7 | 0.5 | [d] | 0.5 |
| 1996 | 27.0 | 26.6 | 13.8 | 3.5 | 10.4 | 12.7 | 0.4 | [d] | 0.4 |
| 1997 | 27.4 | 27.1 | 13.4 | 3.3 | 10.0 | 13.7 | 0.4 | [d] | 0.4 |
| 1998 | 27.5 | 27.2 | 12.8 | 2.7 | 10.1 | 14.4 | 0.4 | [d] | 0.4 |
| 1999 | 29.5 | 29.2 | 13.5 | 2.8 | 10.7 | 15.7 | 0.4 | [d] | 0.4 |
| 2000 | 29.8 | 29.4 | 13.6 | 2.9 | 10.8 | 15.8 | 0.4 | [d] | 0.4 |
| 2001 | 28.2 | 27.8 | 12.8 | 2.2 | 10.5 | 15.0 | 0.4 | [d] | 0.4 |
| 2002 | 30.9 | 29.5 | 13.7 | 2.2 | 11.5 | 15.8 | 1.4 | [d] | 1.4 |

[a]Does not include sawn ties.

[b]Natural Resources Canada (28); Statistics Canada (33,34,35); Wood Markets (85)
Data may not add to totals because of rounding.

[c]Includes small volumes of hardwoods.

[d]Fewer than 50 million board feet.

[z]Not available.

**Table 34—Lumber and competing engineered wood products, by type of product, 1970-2002**

| Year | Wood laminated veneer lumber[a] | Wood glulam[a] | Wood I-Joists[a] | Structural panels[a] | | Lumber[b] | |
|---|---|---|---|---|---|---|---|
| | | | | Oriented strandboard | Softwood plywood | Hardwood | Softwood |
| | *Million cubic feet* | *Million board feet* | *Million linear feet* | *Million square feet (3/8-in. basis)* | *Million square feet (3/8-in. basis)* | *Billion board feet* | *Billion board feet* |
| 1970 | z | z | z | z | 14,340 | 8.3 | 27.5 |
| 1971 | z | z | z | z | 16,635 | 8.4 | 30.0 |
| 1972 | z | z | z | z | 18,324 | 8.5 | 31.0 |
| 1973 | z | z | z | z | 18,305 | 8.8 | 31.6 |
| 1974 | z | z | z | z | 15,878 | 8.4 | 27.7 |
| 1975 | z | z | z | z | 16,050 | 7.3 | 26.7 |
| 1976 | z | z | z | z | 18,440 | 8.0 | 29.7 |
| 1977 | z | z | z | z | 19,376 | 8.5 | 31.7 |
| 1978 | z | z | z | z | 19,964 | 9.0 | 32.1 |
| 1979 | z | z | z | z | 19,653 | 9.3 | 31.4 |
| 1980 | 3 | 204 | 45 | 135 | 16,333 | 9.2 | 26.2 |
| 1981 | 4 | 190 | 45 | 271 | 16,752 | 7.5 | 24.7 |
| 1982 | 4 | 164 | 54 | 557 | 15,846 | 8.0 | 23.8 |
| 1983 | 5 | 192 | 63 | 1,341 | 19,480 | 8.8 | 29.7 |
| 1984 | 5 | 229 | 72 | 2,042 | 19,926 | 10.1 | 31.2 |
| 1985 | 7 | 246 | 90 | 2,669 | 20,169 | 9.6 | 31.3 |
| 1986 | 8 | 330 | 99 | 3,513 | 22,118 | 10.5 | 35.3 |
| 1987 | 9 | 279 | 108 | 4,076 | 22,899 | 11.3 | 38.2 |
| 1988 | 11 | 298 | 108 | 4,604 | 22,599 | 11.7 | 38.1 |
| 1989 | 12 | 322 | 117 | 5,105 | 21,385 | 12.1 | 37.5 |
| 1990 | 16 | 324 | 122 | 5,418 | 20,919 | 12.3 | 35.8 |
| 1991 | 16 | 265 | 158 | 5,613 | 18,652 | 11.2 | 33.2 |
| 1992 | 17 | 258 | 252 | 6,653 | 19,332 | 11.4 | 34.5 |
| 1993 | 21 | 239 | 358 | 7,002 | 19,315 | 12.2 | 32.9 |
| 1994 | 23 | 264 | 380 | 7,486 | 19,638 | 12.4 | 34.1 |
| 1995 | 28 | 282 | 358 | 7,903 | 19,367 | 12.6 | 32.2 |
| 1996 | 32 | 309 | 444 | 9,314 | 19,181 | 12.5 | 33.3 |
| 1997 | 38 | 300 | 547 | 10,534 | 17,963 | 12.7 | 34.7 |
| 1998 | 41 | 287 | 619 | 11,227 | 17,776 | 12.7 | 34.7 |
| 1999 | 48 | 316 | 733 | 11,612 | 17,816 | 12.9 | 36.6 |
| 2000 | 48 | 356 | 693 | 11,906 | 17,475 | 12.6 | 36.0 |
| 2001 | 53 | 335 | 746 | 12,532 | 15,121 | 11.8 | 34.6 |
| 2002 | 56 | 321 | 756 | 13,426 | 15,200 | 11.8 | 36.4 |

[a]APA—The Engineered Wood Association (10,12).

[b]U.S. Department of Commerce, Bureau of the Census (59); American Forest and Paper Association (4); Luppold and Dempsey (24).

[z]Not available.

**Table 35—Producer price indexes for lumber and selected nonwood competing materials, 1965–2002 (1997 = 100)[a]**

| Year | All commodities | Lumber and wood products | | All lumber | | Softwood lumber | | | | | | All hardwood lumber | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | All | | Douglas-fir | | Southern pine | | | |
| | | Actual | Relative[b] | Actual | Relative | Actual | Relative | Actual | Relative | Actual | Relative | Actual | Relative |
| 1965 | 25.4 | 18.3 | 72.3 | 15.5 | 61.2 | 14.0 | 55.2 | 15.7 | 61.9 | 17.1 | 67.4 | 21.3 | 84.0 |
| 1966 | 26.1 | 19.1 | 73.3 | 16.6 | 63.5 | 14.7 | 56.4 | 16.5 | 63.1 | 18.8 | 72.0 | 23.8 | 91.2 |
| 1967 | 26.2 | 19.1 | 72.8 | 16.6 | 63.2 | 15.1 | 57.6 | 17.0 | 64.9 | 18.8 | 71.7 | 21.9 | 83.5 |
| 1968 | 26.8 | 21.6 | 80.5 | 19.4 | 72.2 | 18.2 | 67.7 | 20.5 | 76.2 | 21.4 | 79.7 | 22.8 | 85.1 |
| 1969 | 27.9 | 23.9 | 85.6 | 21.8 | 77.9 | 20.3 | 72.5 | 22.5 | 80.3 | 23.7 | 84.8 | 26.3 | 94.2 |
| 1970 | 29.0 | 21.7 | 74.9 | 18.8 | 64.9 | 17.0 | 58.8 | 18.5 | 63.8 | 21.5 | 74.4 | 25.1 | 86.7 |
| 1971 | 29.9 | 24.3 | 81.4 | 22.5 | 75.3 | 21.3 | 71.2 | 23.8 | 79.8 | 25.2 | 84.3 | 24.8 | 82.9 |
| 1972 | 31.3 | 27.6 | 88.3 | 26.4 | 84.4 | 25.2 | 80.7 | 27.4 | 87.8 | 28.5 | 91.1 | 27.6 | 88.3 |
| 1973 | 35.3 | 33.8 | 95.8 | 33.9 | 96.0 | 32.3 | 91.4 | 35.6 | 101.0 | 35.3 | 99.9 | 37.0 | 104.7 |
| 1974 | 41.9 | 35.1 | 83.7 | 34.2 | 81.7 | 31.8 | 75.9 | 36.4 | 86.8 | 34.6 | 82.6 | 41.5 | 99.0 |
| 1975 | 45.8 | 33.8 | 73.9 | 31.8 | 69.5 | 30.2 | 65.9 | 36.0 | 78.7 | 33.0 | 72.0 | 35.1 | 76.7 |
| 1976 | 47.9 | 39.2 | 81.9 | 38.6 | 80.5 | 37.4 | 78.0 | 42.7 | 89.1 | 40.8 | 85.2 | 38.6 | 80.6 |
| 1977 | 50.9 | 45.1 | 88.6 | 45.7 | 89.7 | 44.8 | 87.9 | 49.6 | 97.4 | 49.3 | 96.8 | 43.8 | 86.1 |
| 1978 | 54.8 | 52.7 | 96.2 | 53.3 | 97.2 | 52.1 | 95.1 | 57.8 | 105.5 | 57.2 | 104.4 | 51.7 | 94.3 |
| 1979 | 61.8 | 57.4 | 93.0 | 58.5 | 94.8 | 57.2 | 92.6 | 65.3 | 105.7 | 60.9 | 98.7 | 56.9 | 92.1 |
| 1980 | 70.4 | 55.2 | 78.4 | 53.9 | 76.5 | 52.0 | 73.8 | 60.1 | 85.3 | 55.9 | 79.4 | 55.1 | 78.3 |
| 1981 | 76.9 | 55.9 | 72.8 | 53.7 | 69.9 | 51.6 | 67.1 | 53.0 | 69.0 | 54.8 | 71.4 | 55.9 | 72.8 |
| 1982 | 78.4 | 54.4 | 69.4 | 51.4 | 65.6 | 48.4 | 61.8 | 45.3 | 57.8 | 53.7 | 68.5 | 57.5 | 73.3 |
| 1983 | 79.4 | 58.7 | 73.9 | 58.3 | 73.4 | 55.7 | 70.1 | 61.5 | 77.5 | 60.1 | 75.7 | 62.1 | 78.2 |
| 1984 | 81.4 | 58.8 | 72.3 | 57.8 | 71.0 | 53.2 | 65.5 | 55.8 | 68.6 | 60.1 | 73.9 | 70.0 | 86.0 |
| 1985 | 81.0 | 58.0 | 71.6 | 56.3 | 69.5 | 52.0 | 64.2 | 57.3 | 70.8 | 56.5 | 69.8 | 67.2 | 83.0 |
| 1986 | 78.6 | 58.3 | 74.2 | 56.8 | 72.2 | 52.5 | 66.7 | 56.4 | 71.8 | 56.4 | 71.7 | 67.9 | 86.4 |
| 1987 | 80.6 | 61.3 | 76.1 | 60.7 | 75.3 | 56.2 | 69.7 | 56.6 | 70.2 | 61.3 | 76.0 | 72.8 | 90.3 |
| 1988 | 83.8 | 64.7 | 77.2 | 62.7 | 74.8 | 58.1 | 69.3 | 61.5 | 73.3 | 60.4 | 72.0 | 75.2 | 89.7 |
| 1989 | 88.0 | 68.9 | 78.3 | 64.6 | 73.4 | 61.5 | 69.9 | 68.7 | 78.1 | 58.1 | 66.0 | 73.6 | 83.7 |
| 1990 | 91.2 | 70.6 | 77.4 | 64.0 | 70.2 | 59.9 | 65.7 | 62.7 | 68.7 | 59.8 | 65.5 | 75.2 | 82.5 |
| 1991 | 91.4 | 71.9 | 78.7 | 64.2 | 70.2 | 60.9 | 66.6 | 63.2 | 69.2 | 59.7 | 68.6 | 73.9 | 80.8 |
| 1992 | 91.9 | 79.8 | 86.8 | 74.3 | 80.8 | 71.9 | 78.2 | 76.6 | 83.4 | 70.1 | 76.3 | 80.7 | 87.8 |
| 1993 | 93.3 | 94.7 | 101.5 | 94.2 | 101.0 | 93.5 | 100.2 | 107.6 | 115.3 | 90.7 | 97.2 | 93.8 | 100.5 |
| 1994 | 94.4 | 98.0 | 103.8 | 97.0 | 102.7 | 95.9 | 101.6 | 107.1 | 113.4 | 98.0 | 103.8 | 96.7 | 102.4 |
| 1995 | 97.8 | 96.9 | 99.1 | 89.1 | 91.1 | 86.5 | 88.4 | 90.0 | 92.1 | 89.7 | 91.7 | 96.0 | 98.1 |
| 1996 | 100.2 | 95.9 | 95.7 | 92.4 | 92.2 | 91.9 | 91.7 | 103.8 | 103.6 | 95.4 | 95.3 | 94.2 | 94.0 |
| 1997 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1998 | 101.5 | 97.4 | 96.0 | 90.9 | 89.6 | 88.4 | 87.1 | 84.2 | 83.0 | 95.1 | 93.7 | 102.7 | 101.2 |
| 1999 | 110.5 | 99.9 | 90.4 | 95.4 | 86.3 | 94.9 | 85.9 | 96.1 | 86.9 | 99.8 | 90.3 | 101.9 | 92.2 |
| 2000 | 122.0 | 97.0 | 79.5 | 90.6 | 74.3 | 86.5 | 70.9 | 83.9 | 68.8 | 86.5 | 70.9 | 106.8 | 87.6 |
| 2001 | 123.4 | 94.9 | 76.9 | 87.0 | 70.5 | 82.4 | 66.8 | 80.7 | 65.4 | 82.0 | 66.4 | 104.2 | 84.4 |
| 2002 | 120.5 | 94.2 | 78.2 | 86.5 | 71.7 | 82.7 | 68.6 | 80.8 | 67.1 | 78.1 | 64.8 | 102.4 | 84.9 |

**Table 35—Producer price indexes for lumber and selected nonwood competing materials, 1965–2002 (1997 = 100)[a]—Con.**

| | Metals and metal products | | Metal doors, sash, and trim | | Flat glass | | Concrete products | | Ready mixed concrete | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year | Actual | Relative | Actual | Relative | Actual | Relative | Actual | Relative | Actual | Relative |
| 1965 | 24.3 | 95.7 | 20.4 | 80.3 | z | z | 23.8 | 93.6 | 23.3 | 91.9 |
| 1966 | 24.9 | 95.3 | 20.9 | 79.9 | z | z | 24.1 | 92.4 | 23.6 | 90.4 |
| 1967 | 25.2 | 96.2 | 21.4 | 81.5 | 41.7 | 159.3 | 24.7 | 94.3 | 24.1 | 92.1 |
| 1968 | 25.8 | 96.1 | 22.2 | 82.8 | 43.5 | 162.0 | 25.4 | 94.5 | 24.8 | 92.3 |
| 1969 | 27.3 | 97.7 | 23.2 | 82.9 | 45.7 | 163.6 | 26.3 | 94.2 | 25.9 | 92.6 |
| 1970 | 29.4 | 101.4 | 24.2 | 83.4 | 48.2 | 166.5 | 27.7 | 95.7 | 27.4 | 94.5 |
| 1971 | 29.9 | 100.1 | 25.1 | 84.2 | 51.3 | 171.8 | 29.8 | 99.7 | 29.6 | 99.0 |
| 1972 | 31.0 | 99.3 | 25.8 | 82.4 | 51.1 | 163.4 | 31.0 | 99.3 | 30.8 | 98.6 |
| 1973 | 33.4 | 94.6 | 26.6 | 75.5 | 50.6 | 143.4 | 32.5 | 92.1 | 32.2 | 91.1 |
| 1974 | 43.3 | 103.2 | 31.5 | 75.1 | 53.7 | 128.2 | 37.4 | 89.3 | 37.0 | 88.2 |
| 1975 | 46.7 | 101.9 | 34.7 | 75.8 | 58.0 | 126.7 | 42.1 | 92.0 | 41.5 | 90.5 |
| 1976 | 49.3 | 103.0 | 36.6 | 76.5 | 62.5 | 130.5 | 44.5 | 92.9 | 44.4 | 92.7 |
| 1977 | 52.6 | 103.3 | 40.3 | 79.1 | 67.0 | 131.6 | 47.4 | 93.0 | 47.4 | 93.1 |
| 1978 | 57.1 | 104.3 | 44.4 | 81.0 | 72.0 | 131.5 | 52.9 | 96.5 | 52.8 | 96.4 |
| 1979 | 65.3 | 105.6 | 49.1 | 79.4 | 76.6 | 124.1 | 60.3 | 97.6 | 60.2 | 97.4 |
| 1980 | 72.1 | 102.4 | 54.5 | 77.4 | 81.9 | 116.3 | 67.6 | 96.1 | 67.9 | 96.4 |
| 1981 | 75.6 | 98.3 | 59.6 | 77.6 | 88.6 | 115.3 | 71.9 | 93.6 | 72.4 | 94.2 |
| 1982 | 75.9 | 96.8 | 62.1 | 79.2 | 92.3 | 117.8 | 73.5 | 93.8 | 73.8 | 94.1 |
| 1983 | 77.2 | 97.3 | 63.8 | 80.4 | 95.8 | 120.6 | 74.6 | 93.9 | 74.7 | 94.1 |
| 1984 | 79.5 | 97.7 | 66.2 | 81.4 | 93.6 | 115.1 | 764.0 | 939.1 | 76.9 | 94.6 |
| 1985 | 79.2 | 97.8 | 66.6 | 82.3 | 93.9 | 116.0 | 79.0 | 97.6 | 79.0 | 97.5 |
| 1986 | 78.3 | 99.6 | 67.6 | 86.0 | 96.5 | 122.8 | 80.3 | 102.2 | 79.4 | 101.1 |
| 1987 | 81.3 | 100.8 | 69.5 | 86.3 | 99.0 | 122.8 | 80.4 | 99.8 | 79.1 | 98.2 |
| 1988 | 90.1 | 107.4 | 76.0 | 90.7 | 101.3 | 120.8 | 80.9 | 96.5 | 79.6 | 94.9 |
| 1989 | 94.2 | 107.0 | 80.7 | 91.8 | 101.3 | 115.1 | 81.8 | 92.9 | 80.6 | 91.6 |
| 1990 | 93.3 | 102.3 | 81.6 | 89.5 | 99.3 | 108.9 | 83.5 | 91.5 | 82.5 | 90.5 |
| 1991 | 91.2 | 99.8 | 83.6 | 91.5 | 97.8 | 107.0 | 85.7 | 93.8 | 84.6 | 92.6 |
| 1992 | 90.4 | 98.4 | 83.8 | 91.1 | 98.4 | 107.1 | 86.2 | 93.7 | 85.0 | 92.4 |
| 1993 | 90.4 | 96.9 | 84.8 | 90.9 | 99.1 | 106.2 | 88.4 | 94.7 | 87.6 | 93.9 |
| 1994 | 94.7 | 100.3 | 88.2 | 93.4 | 101.9 | 108.0 | 91.5 | 97.0 | 91.2 | 96.6 |
| 1995 | 102.1 | 104.3 | 97.2 | 99.3 | 104.5 | 106.9 | 95.1 | 97.3 | 95.1 | 97.3 |
| 1996 | 99.4 | 99.2 | 98.9 | 98.7 | 101.6 | 101.4 | 97.9 | 97.7 | 98.2 | 98.0 |
| 1997 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1998 | 97.0 | 95.6 | 100.3 | 98.8 | 99.0 | 97.5 | 103.0 | 101.5 | 103.1 | 101.6 |
| 1999 | 94.5 | 85.6 | 100.7 | 91.1 | 98.2 | 88.9 | 105.6 | 95.6 | 105.7 | 95.6 |
| 2000 | 97.2 | 79.7 | 102.5 | 84.0 | 101.3 | 83.0 | 108.6 | 89.1 | 108.5 | 89.0 |
| 2001 | 95.2 | 77.1 | 103.7 | 84.1 | 103.4 | 83.8 | 111.5 | 90.4 | 110.9 | 89.9 |
| 2002 | 95.5 | 79.3 | 104.3 | 86.5 | 102.8 | 85.3 | 112.2 | 93.1 | 110.8 | 92.0 |

**Table 35—Producer price indexes for lumber and selected nonwood competing materials, 1965–2002 (1997 = 100)[a]—Con.**

| | Ceramic tile[c] | | Prepared asphalt roofing[d] | | Gypsum products | | Soft surface floor covering | | Hard surface floor covering | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year | Actual | Relative | Actual | Relative | Actual | Relative | Actual | Relative | Actual | Relative |
| 1965 | 33.7 | 133.0 | 28.7 | 113.2 | 23.1 | 91.2 | 53.7 | 211.8 | 26.9 | 106.0 |
| 1966 | 34.2 | 130.9 | 30.1 | 115.1 | 22.8 | 87.2 | 53.5 | 204.9 | 26.7 | 102.3 |
| 1967 | 34.9 | 133.2 | 29.3 | 112.0 | 22.9 | 87.4 | 51.0 | 194.6 | 26.5 | 101.2 |
| 1968 | 35.9 | 133.8 | 30.5 | 113.5 | 23.7 | 88.3 | 51.3 | 191.2 | 27.2 | 101.4 |
| 1969 | 37.1 | 132.6 | 30.4 | 108.7 | 23.7 | 84.9 | 51.3 | 183.6 | 26.5 | 94.9 |
| 1970 | 38.1 | 131.5 | 29.8 | 103.1 | 22.8 | 78.7 | 50.4 | 174.1 | 26.6 | 91.8 |
| 1971 | 39.8 | 133.3 | 37.1 | 124.2 | 25.0 | 83.7 | 49.3 | 165.0 | 27.6 | 92.2 |
| 1972 | 40.0 | 127.8 | 39.2 | 125.3 | 26.2 | 83.9 | 49.0 | 156.7 | 27.7 | 88.6 |
| 1973 | 41.5 | 117.7 | 40.6 | 115.1 | 27.6 | 78.3 | 51.5 | 145.8 | 27.9 | 79.0 |
| 1974 | 45.4 | 108.2 | 55.8 | 133.0 | 31.4 | 75.0 | 56.5 | 134.8 | 33.3 | 79.5 |
| 1975 | 50.7 | 110.8 | 63.9 | 139.7 | 32.9 | 71.9 | 58.4 | 127.5 | 39.3 | 86.0 |
| 1976 | 54.5 | 113.8 | 67.9 | 141.7 | 35.3 | 73.7 | 60.1 | 125.4 | 43.2 | 90.3 |
| 1977 | 55.4 | 108.8 | 72.3 | 142.1 | 42.0 | 82.4 | 62.2 | 122.1 | 45.6 | 89.5 |
| 1978 | 55.1 | 100.6 | 84.7 | 154.6 | 52.4 | 95.6 | 64.4 | 117.5 | 47.8 | 87.3 |
| 1979 | 59.8 | 96.7 | 92.4 | 149.7 | 57.7 | 93.4 | 66.2 | 107.2 | 52.8 | 85.4 |
| 1980 | 63.2 | 89.8 | 109.3 | 155.3 | 58.6 | 83.2 | 72.1 | 102.5 | 60.5 | 85.9 |
| 1981 | 68.6 | 89.3 | 105.3 | 137.0 | 58.6 | 76.3 | 80.1 | 104.2 | 63.7 | 82.8 |
| 1982 | 72.3 | 92.1 | 103.6 | 132.2 | 58.6 | 74.7 | 81.1 | 103.4 | 64.8 | 82.7 |
| 1983 | 75.0 | 94.4 | 97.5 | 122.8 | 65.4 | 82.3 | 82.8 | 104.3 | 66.6 | 83.9 |
| 1984 | 77.8 | 95.7 | 101.3 | 124.5 | 79.3 | 97.4 | 85.4 | 104.9 | 68.7 | 84.5 |
| 1985 | 81.9 | 101.1 | 104.2 | 128.6 | 77.5 | 95.7 | 84.5 | 104.4 | 71.6 | 88.4 |
| 1986 | 86.0 | 109.4 | 100.3 | 127.6 | 80.2 | 102.1 | 86.7 | 110.4 | 73.5 | 93.5 |
| 1987 | 88.9 | 110.3 | 95.2 | 118.1 | 73.3 | 90.9 | 88.6 | 109.9 | 75.3 | 93.4 |
| 1988 | 91.9 | 109.6 | 97.8 | 116.7 | 66.1 | 78.9 | 91.5 | 109.2 | 79.4 | 94.7 |
| 1989 | 94.1 | 106.9 | 99.1 | 112.6 | 64.4 | 73.2 | 93.6 | 106.4 | 84.2 | 95.7 |
| 1990 | 95.7 | 105.0 | 99.3 | 108.9 | 61.6 | 67.5 | 94.8 | 104.0 | 86.2 | 94.5 |
| 1991 | 94.7 | 103.7 | 99.7 | 109.1 | 58.1 | 63.6 | 95.4 | 104.4 | 90.2 | 98.8 |
| 1992 | 95.8 | 104.2 | 97.7 | 106.3 | 58.7 | 63.9 | 94.9 | 103.3 | 92.1 | 100.1 |
| 1993 | 96.5 | 103.4 | 98.4 | 105.4 | 63.4 | 68.0 | 94.6 | 101.4 | 94.1 | 100.9 |
| 1994 | 98.0 | 103.8 | 96.3 | 102.0 | 79.6 | 84.3 | 95.6 | 101.2 | 95.5 | 101.1 |
| 1995 | 99.7 | 101.9 | 101.4 | 103.6 | 90.5 | 92.5 | 97.1 | 99.3 | 99.3 | 101.5 |
| 1996 | 99.9 | 99.7 | 100.9 | 100.7 | 90.2 | 90.0 | 99.1 | 98.9 | 99.7 | 99.5 |
| 1997 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1998 | 97.0 | 95.6 | 100.1 | 98.7 | 104.0 | 102.5 | 100.5 | 99.0 | 99.8 | 98.3 |
| 1999 | 97.5 | 88.2 | 99.6 | 90.2 | 121.8 | 110.2 | 99.3 | 89.8 | 99.1 | 89.7 |
| 2000 | 95.0 | 77.9 | 104.6 | 85.8 | 118.0 | 96.7 | 101.4 | 83.1 | 99.6 | 81.7 |
| 2001 | 87.9 | 71.3 | 108.1 | 87.6 | 91.6 | 74.3 | 102.3 | 83.0 | 98.2 | 79.6 |
| 2002 | 76.7 | 63.7 | 111.7 | 92.6 | 98.7 | 81.9 | 102.6 | 85.1 | 99.0 | 82.1 |

[a]U.S. Department of Labor, Bureau of Labor Statistics (75).

[b]Derived by dividing the actual price index by the all commodities price index.

[c]Ceramic floor and wall tile.

[d]Prepared asphalt and tar roofing and siding products.

[z]Not available.

**Table 36—Relative[a] producer price index for lumber, 1800–2002 (1997 = 100)[b]**

| Year | All lumber | Year | All lumber | Year | All lumber | Year | All lumber | Year | All lumber |
|---|---|---|---|---|---|---|---|---|---|
| 1800 | 5.0 | 1840 | 12.6 | 1881 | 20.7 | 1922 | 40.3 | 1963 | 75.1 |
| 1801 | 5.2 | 1841 | 13.0 | 1882 | 21.1 | 1923 | 43.7 | 1964 | 76.7 |
| 1802 | 6.2 | 1842 | 12.9 | 1883 | 20.9 | 1924 | 39.8 | 1965 | 61.2 |
| 1803 | 5.3 | 1843 | 12.6 | 1884 | 22.4 | 1925 | 38.3 | 1966 | 63.5 |
| 1804 | 5.3 | 1844 | 13.3 | 1885 | 22.9 | 1926 | 38.2 | 1967 | 63.2 |
| 1805 | 5.4 | 1845 | 14.7 | 1886 | 23.7 | 1927 | 37.4 | 1968 | 72.2 |
| 1806 | 5.5 | 1846 | 13.9 | 1887 | 23.7 | 1928 | 35.4 | 1969 | 77.9 |
| 1807 | 5.9 | 1847 | 13.4 | 1888 | 23.1 | 1929 | 37.5 | 1970 | 64.9 |
| 1808 | 5.8 | 1848 | 13.9 | 1889 | 23.1 | 1930 | 37.5 | 1971 | 75.3 |
| 1809 | 5.4 | 1849 | 14.1 | 1890 | 23.6 | 1931 | 36.0 | 1972 | 84.4 |
| 1810 | 5.1 | 1850 | 14.8 | 1891 | 23.2 | 1932 | 34.8 | 1973 | 96.0 |
| 1811 | 5.1 | 1851 | 14.3 | 1892 | 24.1 | 1933 | 40.5 | 1974 | 81.7 |
| 1812 | 4.8 | 1852 | 15.7 | 1893 | 23.8 | 1934 | 42.7 | 1975 | 69.5 |
| 1813 | 4.3 | 1853 | 15.2 | 1894 | 26.3 | 1935 | 38.7 | 1976 | 80.5 |
| 1814 | 3.6 | 1854 | 14.8 | 1895 | 24.6 | 1936 | 40.8 | 1977 | 89.7 |
| 1815 | 6.4 | 1855 | 15.6 | 1896 | 25.9 | 1937 | 44.1 | 1978 | 97.2 |
| 1816 | 7.1 | 1856 | 16.0 | 1897 | 25.1 | 1938 | 42.6 | 1979 | 94.8 |
| 1817 | 6.2 | 1857 | 16.5 | 1898 | 25.4 | 1939 | 45.7 | 1980 | 76.5 |
| 1818 | 5.8 | 1858 | 16.4 | 1899 | 26.0 | 1940 | 49.8 | 1981 | 69.9 |
| 1819 | 6.7 | 1859 | 16.0 | 1900 | 26.8 | 1941 | 53.2 | 1982 | 65.6 |
| 1820 | 7.5 | 1860 | 16.0 | 1901 | 27.3 | 1942 | 51.0 | 1983 | 73.4 |
| 1821 | 7.5 | 1861 | 15.6 | 1902 | 26.7 | 1943 | 51.9 | 1984 | 71.0 |
| 1822 | 7.1 | 1862 | 14.2 | 1903 | 28.4 | 1944 | 56.2 | 1985 | 69.5 |
| 1823 | 7.5 | 1863 | 13.6 | 1904 | 26.5 | 1945 | 55.7 | 1986 | 72.2 |
| 1824 | 7.6 | 1864 | 13.6 | 1905 | 28.1 | 1946 | 56.1 | 1987 | 75.3 |
| 1825 | 7.9 | 1865 | 12.6 | 1906 | 33.2 | 1947 | 72.8 | 1988 | 74.8 |
| 1826 | 8.5 | 1866 | 15.9 | 1907 | 31.7 | 1948 | 76.3 | 1989 | 73.4 |
| 1827 | 8.6 | 1867 | 16.9 | 1908 | 30.4 | 1949 | 73.7 | 1990 | 70.2 |
| 1828 | 9.0 | 1868 | 17.4 | 1909 | 28.3 | 1950 | 82.8 | 1991 | 70.2 |
| 1829 | 8.9 | 1869 | 17.0 | 1910 | 26.8 | 1951 | 80.5 | 1992 | 80.8 |
| 1830 | 8.8 | 1870 | 17.4 | 1911 | 28.8 | 1952 | 80.5 | 1993 | 101.0 |
| 1831 | 8.8 | 1871 | 18.4 | 1912 | 29.1 | 1953 | 80.8 | 1994 | 102.7 |
| 1832 | 8.7 | 1872 | 18.7 | 1913 | 30.4 | 1954 | 79.1 | 1995 | 91.1 |
| 1833 | 9.1 | 1873 | 19.0 | 1914 | 28.8 | 1955 | 84.1 | 1996 | 92.2 |
| 1834 | 10.0 | 1874 | 18.8 | 1915 | 27.6 | 1956 | 83.1 | 1997 | 100.0 |
| 1835 | 8.8 | 1875 | 18.0 | 1916 | 25.3 | 1957 | 75.9 | 1998 | 89.6 |
| 1836 | 8.0 | 1876 | 18.4 | 1917 | 24.1 | 1958 | 73.8 | 1999 | 86.3 |
| 1837 | 11.5 | 1877 | 18.6 | 1918 | 25.0 | 1959 | 79.3 | 2000 | 74.3 |
| 1838 | 12.0 | 1878 | 18.6 | 1919 | 32.0 | 1960 | 75.7 | 2001 | 70.5 |
| 1839 | 11.4 | 1879 | 19.9 | 1920 | 42.0 | 1961 | 72.0 | 2002 | 71.7 |
| 1840 | 12.6 | 1880 | 19.4 | 1921 | 35.9 | 1962 | 73.1 | | |

[a]Derived by dividing the actual price index by the all commodities price index.

[b]1800 to 1914, Cornell University Agricultural Experiment Station (18); 1915 to present, U.S. Department of Labor, Bureau of Labor Statistics (75); 1800-1964 (1992=100) 1965-present (1997=100).

**Table 37—Plywood production, imports, exports, and consumption, by softwoods and hardwoods,1965–2002 (3/8-in. basis)[a]**

| Year | Production | | | Imports | | | Exports | | | Consumption | | | Per capita consumption | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Total | Soft-woods | Hard-woods | Total | Soft-woods | Hard-woods | Total | Soft-woods | Hard-woods [b] | Total | Soft-woods | Hard-woods | Total | Soft-woods | Hard-woods |
| | *Million square feet* | *Million square feet* | *Million square feet* | *Million square feet* | *Million square feet* | *Million square feet* | *Million square feet* | *Million square feet* | *Million square feet* | *Million square feet* | *Million square feet* | *Million square feet* | *Square feet* | *Square feet* | *Square feet* |
| 1965 | 14,496 | 12,447 | 2,049 | 1,052 | 5 | 1,047 | 36 | 30 | 6 | 15,512 | 12,422 | 3,090 | 80 | 64 | 16 |
| 1966 | 15,132 | 13,056 | 2,076 | 1,257 | 3 | 1,254 | 56 | 48 | 8 | 16,333 | 13,011 | 3,322 | 83 | 66 | 17 |
| 1967 | 14,874 | 12,958 | 1,916 | 1,247 | 3 | 1,244 | 93 | 85 | 8 | 16,028 | 12,876 | 3,152 | 81 | 65 | 16 |
| 1968 | 16,704 | 14,695 | 2,009 | 1,896 | 10 | 1,886 | 78 | 64 | 14 | 18,522 | 14,641 | 3,881 | 92 | 73 | 19 |
| 1969 | 15,563 | 13,694 | 1,869 | 2,122 | 15 | 2,107 | 215 | 199 | 16 | 17,470 | 13,510 | 3,960 | 86 | 67 | 20 |
| 1970 | 16,136 | 14,340 | 1,796 | 2,049 | 2 | 2,047 | 172 | 114 | 58 | 18,013 | 14,228 | 3,785 | 88 | 69 | 18 |
| 1971 | 18,559 | 16,635 | 1,924 | 2,545 | 3 | 2,542 | 114 | 99 | 15 | 20,990 | 16,539 | 4,451 | 101 | 80 | 21 |
| 1972 | 20,354 | 18,324 | 2,030 | 3,162 | 6 | 3,156 | 247 | 221 | 26 | 23,269 | 18,109 | 5,160 | 111 | 86 | 25 |
| 1973 | 20,112 | 18,305 | 1,807 | 2,536 | 9 | 2,527 | 451 | 411 | 40 | 22,197 | 17,903 | 4,294 | 105 | 84 | 20 |
| 1974 | 17,279 | 15,878 | 1,401 | 1,648 | 4 | 1,644 | 610 | 542 | 68 | 18,317 | 15,340 | 2,977 | 86 | 72 | 14 |
| 1975 | 17,102 | 16,050 | 1,052 | 1,925 | 7 | 1,918 | 859 | 791 | 68 | 18,168 | 15,266 | 2,902 | 84 | 71 | 13 |
| 1976 | 19,523 | 18,440 | 1,083 | 2,368 | 12 | 2,356 | 795 | 716 | 79 | 21,096 | 17,736 | 3,360 | 97 | 81 | 15 |
| 1977 | 20,563 | 19,376 | 1,187 | 2,272 | 18 | 2,254 | 357 | 287 | 70 | 22,478 | 19,107 | 3,371 | 102 | 87 | 15 |
| 1978 | 21,149 | 19,964 | 1,185 | 2,555 | 63 | 2,492 | 329 | 298 | 31 | 23,375 | 19,729 | 3,646 | 105 | 89 | 16 |
| 1979 | 20,803 | 19,653 | 1,150 | 2,097 | 27 | 2,070 | 431 | 402 | 29 | 22,469 | 19,278 | 3,191 | 100 | 86 | 14 |
| 1980 | 17,371 | 16,333 | 1,038 | 1,235 | 37 | 1,198 | 413 | 373 | 40 | 18,193 | 15,997 | 2,196 | 80 | 70 | 10 |
| 1981 | 17,728 | 16,752 | 976 | 1,512 | 30 | 1,482 | 733 | 686 | 47 | 18,507 | 16,096 | 2,411 | 80 | 70 | 10 |
| 1982 | 17,231 | 15,846 | 1,385 | 1,878 | 9 | 1,869 | 493 | 452 | 41 | 18,616 | 15,403 | 3,213 | 80 | 66 | 14 |
| 1983 | 20,960 | 19,480 | 1,480 | 2,747 | 18 | 2,729 | 615 | 574 | 41 | 23,092 | 18,924 | 4,168 | 99 | 81 | 18 |
| 1984 | 21,431 | 19,926 | 1,505 | 2,527 | 48 | 2,480 | 408 | 371 | 37 | 23,550 | 19,603 | 3,948 | 100 | 83 | 17 |
| 1985 | 21,511 | 20,169 | 1,342 | 3,112 | 54 | 3,058 | 365 | 321 | 44 | 24,259 | 19,903 | 4,356 | 102 | 83 | 18 |
| 1986 | 23,508 | 22,118 | 1,390 | 3,234 | 63 | 3,171 | 676 | 614 | 61 | 26,067 | 21,567 | 4,500 | 108 | 90 | 19 |
| 1987 | 24,423 | 22,899 | 1,524 | 3,932 | 129 | 3,803 | 855 | 796 | 60 | 27,500 | 22,232 | 5,268 | 113 | 92 | 22 |
| 1988 | 24,151 | 22,599 | 1,552 | 3,358 | 96 | 3,262 | 1,108 | 1,004 | 104 | 26,401 | 21,691 | 4,711 | 108 | 89 | 19 |
| 1989 | 22,926 | 21,385 | 1,541 | 1,983 | 49 | 1,935 | 1,562 | 1,442 | 119 | 23,348 | 19,991 | 3,356 | 94 | 81 | 14 |
| 1990 | 22,456 | 20,919 | 1,537 | 1,687 | 38 | 1,649 | 1,766 | 1,613 | 153 | 22,377 | 19,344 | 3,033 | 90 | 77 | 12 |
| 1991 | 20,148 | 18,652 | 1,496 | 1,457 | 28 | 1,429 | 1,553 | 1,322 | 231 | 20,052 | 17,358 | 2,695 | 79 | 69 | 11 |
| 1992 | 20,755 | 19,332 | 1,423 | 1,776 | 47 | 1,729 | 1,760 | 1,442 | 318 | 20,771 | 17,937 | 2,834 | 81 | 70 | 11 |
| 1993 | 20,826 | 19,315 | 1,511 | 1,786 | 41 | 1,745 | 1,677 | 1,409 | 268 | 20,935 | 17,946 | 2,989 | 81 | 70 | 12 |
| 1994 | 21,439 | 19,638 | 1,801 | 1,693 | 47 | 1,646 | 1,455 | 1,211 | 244 | 21,677 | 18,474 | 3,203 | 83 | 71 | 12 |
| 1995 | 21,209 | 19,367 | 1,842 | 1,951 | 60 | 1,892 | 1,517 | 1,267 | 250 | 21,643 | 18,160 | 3,483 | 82 | 69 | 13 |
| 1996 | 20,965 | 19,181 | 1,784 | 1,780 | 85 | 1,695 | 1,499 | 1,248 | 251 | 21,246 | 18,018 | 3,228 | 80 | 68 | 12 |
| 1997 | 19,835 | 17,963 | 1,872 | 2,111 | 104 | 2,007 | 1,802 | 1,548 | 254 | 20,143 | 16,519 | 3,625 | 75 | 62 | 14 |
| 1998 | 19,738 | 17,776 | 1,962 | 2,429 | 179 | 2,250 | 969 | 764 | 205 | 21,198 | 17,191 | 4,007 | 78 | 64 | 15 |
| 1999[r] | 19,832 | 17,816 | 2,016 | 2,827 | 309 | 2,518 | 984 | 781 | 203 | 21,675 | 17,344 | 4,331 | 79 | 63 | 16 |
| 2000 | 19,741 | 17,475 | 2,266 | 2,902 | 408 | 2,494 | 916 | 735 | 181 | 21,727 | 17,148 | 4,579 | 77 | 61 | 16 |
| 2001 | 17,225 | 15,121 | 2,104 | 3,220 | 665 | 2,555 | 676 | 514 | 162 | 19,768 | 15,272 | 4,496 | 69 | 54 | 16 |
| 2002[p] | 17,296 | 15,200 | 2,096 | 3,851 | 907 | 2,944 | 619 | 439 | 180 | 20,528 | 15,668 | 4,860 | 71 | 55 | 17 |

[a]U.S. Department of Commerce, Bureau of the Census (55,66); APA - The Engineered Wood Association (12);

U.S. Department of Agriculture, Foreign Agricultural Service (41); Data may not add to totals because of rounding.

[b]Includes mixed species (not classified as hardwoods or softwoods).

[p]Preliminary.

[r]Revised.

**Table 38—Production, imports, exports, and consumption of structural panel products, by type, 1980–2002 (million square feet, 3/8-in. basis)[a]**

| | Production | | | Imports | | | Exports | | | Consumption | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | Total | Softwood plywood | Other structural panels[b] | Total | Softwood plywood | Other structural panels[b,c] | Total | Softwood plywood | Other structural panels[b] | Total | Softwood plywood | Other structural panels[b] |
| 1980 | 16,468 | 16,333 | 135 | 360 | 37 | 323 | 373 | 373 | z | 16,455 | 15,997 | 458 |
| 1981 | 17,023 | 16,752 | 271 | 349 | 30 | 319 | 686 | 686 | z | 16,686 | 16,096 | 590 |
| 1982 | 16,403 | 15,846 | 557 | 268 | 9 | 259 | 452 | 452 | z | 16,219 | 15,403 | 816 |
| 1983 | 20,821 | 19,480 | 1,341 | 423 | 18 | 405 | 574 | 574 | z | 20,670 | 18,924 | 1,746 |
| 1984 | 21,968 | 19,926 | 2,042 | 727 | 48 | 679 | 371 | 371 | z | 22,324 | 19,603 | 2,721 |
| 1985 | 22,838 | 20,169 | 2,669 | 848 | 54 | 794 | 321 | 321 | z | 23,366 | 19,903 | 3,463 |
| 1986 | 25,631 | 22,118 | 3,513 | 723 | 63 | 660 | 614 | 614 | z | 25,740 | 21,567 | 4,173 |
| 1987 | 26,975 | 22,899 | 4,076 | 889 | 129 | 760 | 796 | 796 | z | 27,068 | 22,232 | 4,836 |
| 1988 | 27,203 | 22,599 | 4,604 | 911 | 96 | 815 | 1,004 | 1,004 | z | 27,110 | 21,691 | 5,419 |
| 1989 | 26,490 | 21,385 | 5,105 | 1,160 | 49 | 1,111 | 1,442 | 1,442 | z | 26,207 | 19,991 | 6,216 |
| 1990 | 26,337 | 20,919 | 5,418 | 1,351 | 38 | 1,313 | 1,613 | 1,613 | z | 26,075 | 19,344 | 6,731 |
| 1991 | 24,265 | 18,652 | 5,613 | 1,016 | 28 | 988 | 1,379 | 1,322 | 57 | 23,901 | 17,358 | 6,544 |
| 1992 | 25,985 | 19,332 | 6,653 | 1,619 | 47 | 1,572 | 1,491 | 1,442 | 49 | 26,113 | 17,937 | 8,176 |
| 1993 | 26,317 | 19,315 | 7,002 | 2,203 | 41 | 2,163 | 1,470 | 1,409 | 60 | 27,051 | 17,946 | 9,105 |
| 1994 | 27,124 | 19,638 | 7,486 | 2,635 | 47 | 2,588 | 1,289 | 1,211 | 78 | 28,469 | 18,474 | 9,995 |
| 1995 | 27,270 | 19,367 | 7,903 | 3,274 | 60 | 3,214 | 1,348 | 1,267 | 82 | 29,196 | 18,160 | 11,036 |
| 1996 | 28,495 | 19,181 | 9,314 | 4,500 | 85 | 4,414 | 1,405 | 1,248 | 157 | 31,590 | 18,018 | 13,572 |
| 1997 | 28,497 | 17,963 | 10,534 | 5,376 | 104 | 5,272 | 1,715 | 1,548 | 167 | 32,158 | 16,519 | 15,639 |
| 1998 | 29,003 | 17,776 | 11,227 | 6,671 | 179 | 6,492 | 864 | 764 | 100 | 34,810 | 17,191 | 17,619 |
| 1999[r] | 29,428 | 17,816 | 11,612 | 7,659 | 309 | 7,350 | 960 | 781 | 179 | 36,127 | 17,344 | 18,783 |
| 2000 | 29,381 | 17,475 | 11,906 | 8,030 | 408 | 7,622 | 914 | 735 | 179 | 36,498 | 17,148 | 19,350 |
| 2001 | 27,653 | 15,121 | 12,532 | 8,755 | 665 | 8,090 | 681 | 514 | 167 | 35,727 | 15,272 | 20,455 |
| 2002 | 28,626 | 15,200 | 13,426 | 9,368 | 907 | 8,461 | 634 | 439 | 195 | 37,360 | 15,668 | 21,692 |

[a]American Plywood Association (10,12); U.S. Department of Agriculture, Foreign Agricultural Service (41); Data may not add to totals because of rounding.

[b]Oriented strandboard and waferboard.

[c]Based on Canadian export data. Industry sources estimate that about 95% of Canadian exports are to U.S. markets.

[r]Revised.

[z]Not available.

**Table 39—Hardwood plywood imports, by country or region of origin, 1965–2002 (million square feet, surface measured)[a]**

| | | | Latin America | | | | | Asia | | | | | | | | | Europe | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year[b] | Total | Canada | Total | Mexico | Central America and West Indies | Brazil | Other[c] South America | Total | Japan | Philip-pines | China[d] | Taiwan | Korea | Indo-nesia | Malaysia | Other Asia | Total | Russian Federation | Other | Africa | Other[e] |
| 1965 | 2,032.8 | 64.5 | 10.8 | f | f | z | 10.8 | 1,832.4 | 768.0 | 307.8 | 368.2 | z | 336.7 | z | z | 51.7 | 118.3 | z | z | 6.8 | z |
| 1966 | 2,553.7 | 64.1 | 8.7 | z | z | z | 8.7 | 2,328.9 | 783.4 | 397.9 | 528.8 | z | 573.6 | z | z | 45.2 | 145.1 | z | z | 6.6 | 0.3 |
| 1967 | 2,532.7 | 48.0 | 8.1 | f | z | z | 8.1 | 2,356.0 | 632.3 | 471.5 | 485.4 | z | 702.0 | z | z | 64.8 | 118.2 | z | z | 2.4 | f |
| 1968 | 3,841.3 | 53.0 | 12.2 | z | 1.0 | z | 11.2 | 3,619.1 | 921.3 | 602.2 | 829.6 | z | 1,167.2 | z | z | 98.8 | 156.0 | z | z | 1.0 | f |
| 1969 | 4,290.2 | 40.6 | 11.7 | 0.1 | 4.0 | z | 7.6 | 4,043.8 | 802.3 | 572.1 | 936.0 | z | 1,589.8 | z | z | 143.6 | 192.3 | z | z | 1.8 | f |
| 1970 | 4,168.1 | 24.9 | 10.2 | f | 1.9 | z | 8.3 | 3,996.3 | 623.5 | 570.9 | 939.6 | z | 1,787.3 | z | z | 75.0 | 136.1 | z | z | 0.5 | 0.1 |
| 1971 | 5,176.7 | 45.8 | 13.8 | z | 1.3 | z | 12.5 | 4,989.7 | 598.3 | 592.2 | 1,395.5 | z | 2,251.3 | 0.1 | z | 152.3 | 127.3 | z | z | f | 0.1 |
| 1972 | 6,427.5 | 69.5 | 20.5 | z | 8.7 | z | 11.8 | 6,216.0 | 519.1 | 644.2 | 2,021.9 | z | 2,865.6 | z | z | 165.2 | 121.3 | z | z | 0.1 | 0.1 |
| 1973 | 5,146.7 | 74.4 | 18.0 | z | 4.5 | z | 13.5 | 4,959.6 | 341.0 | 695.3 | 1,367.2 | z | 2,443.0 | z | z | 113.1 | 94.0 | z | z | 0.5 | 0.2 |
| 1974 | 3,349.1 | 46.8 | 18.8 | z | 1.0 | z | 17.8 | 3,229.0 | 244.3 | 279.3 | 937.2 | z | 1,694.7 | z | z | 73.5 | 48.2 | z | z | z | 6.3 |
| 1975 | 3,906.4 | 50.4 | 15.8 | z | 7.5 | z | 8.3 | 3,805.1 | 240.5 | 224.1 | 1,011.8 | z | 2,290.0 | z | z | 38.7 | 30.8 | z | z | z | 4.3 |
| 1976 | 4,797.8 | 53.6 | 18.3 | z | 6.8 | z | 11.5 | 4,668.7 | 312.5 | 352.9 | 1,189.4 | z | 2,785.7 | z | z | 28.2 | 47.6 | z | z | 0.5 | 9.1 |
| 1977 | 4,590.7 | 69.3 | 24.8 | z | 5.1 | z | 19.7 | 4,445.3 | 356.1 | 231.0 | 1,149.1 | z | 2,676.9 | z | z | 32.2 | 44.2 | z | z | z | 7.1 |
| 1978 | 5,076.0 | 75.3 | 29.6 | 0.1 | 5.9 | z | 23.6 | 4,922.2 | 255.6 | 312.4 | 1,752.8 | z | 2,493.0 | 64.3 | z | 44.1 | 48.1 | z | z | 0.7 | 0.1 |
| 1979 | 4,216.3 | 82.2 | 53.7 | f | 2.4 | z | 51.3 | 4,039.6 | 192.7 | 367.3 | 1,523.1 | z | 1,836.7 | 95.5 | z | 24.3 | 40.8 | z | z | f | f |
| 1980 | 2,440.5 | 72.8 | 46.1 | z | 3.7 | z | 42.4 | 2,290.5 | 150.4 | 246.7 | 859.8 | z | 902.1 | 120.8 | z | 10.7 | 30.6 | z | z | f | 0.5 |
| 1981 | 3,017.5 | 64.7 | 30.4 | z | 4.4 | z | 26.0 | 2,884.4 | 139.8 | 436.7 | 1,080.9 | z | 943.7 | 271.7 | z | 11.6 | 37.9 | z | z | 0.1 | z |
| 1982 | 2,249.4 | 54.5 | 24.3 | z | 2.5 | z | 21.8 | 2,146.4 | 95.8 | 161.3 | 850.6 | z | 559.6 | 473.9 | z | 5.2 | 24.1 | z | z | z | 0.1 |
| 1983 | 3,346.6 | 57.5 | 44.1 | 0.3 | 1.3 | z | 42.5 | 3,205.6 | 119.9 | 182.4 | 1,124.6 | z | 414.8 | 1,352.2 | z | 11.7 | 39.4 | z | z | z | f |
| 1984 | 2,982.3 | 73.4 | 90.0 | 0.1 | 1.4 | z | 88.5 | 2,767.9 | 109.7 | 94.9 | 904.8 | z | 78.1 | 1,568.8 | z | 11.6 | 50.9 | z | z | f | 0.1 |
| 1985 | 3,522.1 | 69.4 | 75.1 | f | 2.9 | z | 72.2 | 3,294.6 | 106.7 | 212.6 | 780.3 | z | 28.2 | 2,147.2 | z | 19.6 | 82.3 | z | z | 0.4 | 0.3 |
| 1986 | 3,809.2 | 55.8 | 120.8 | 0.2 | 1.8 | z | 118.8 | 3,556.4 | 74.0 | 110.9 | 723.5 | z | 61.8 | 2,551.1 | z | 35.1 | 71.5 | z | z | 4.7 | f |
| 1987 | 3,950.2 | 87.4 | 105.9 | 0.2 | 0.9 | z | 104.8 | 3,670.7 | 41.6 | 126.1 | 665.6 | z | 48.7 | 2,721.4 | z | 67.3 | 85.1 | z | z | 0.5 | 0.6 |
| 1988 | 3,262.3 | 81.7 | 118.5 | f | 0.5 | z | 118.0 | 3,022.0 | 19.8 | 51.8 | 523.8 | z | 6.7 | 2,345.4 | z | 74.5 | 39.6 | z | z | z | 0.5 |
| 1989 | 3,938.9 | 249.1 | 232.1 | 0.6 | 2.2 | 186.9 | 42.3 | 3,271.2 | 11.5 | 59.5 | 0.4 | 770.2 | 9.5 | 2,341.2 | 40.3 | 38.5 | 158.7 | 0.0 | 158.7 | 0.2 | 27.5 |
| 1990 | 3,356.4 | 211.1 | 306.3 | 0.0 | 4.2 | 248.9 | 53.3 | 2,700.6 | 3.9 | 35.7 | 0.4 | 255.9 | 7.9 | 2,209.4 | 159.1 | 28.3 | 90.6 | 0.0 | 90.6 | 0.0 | 47.9 |
| 1991 | 2,910.3 | 215.8 | 297.2 | 0.1 | 1.3 | 237.6 | 58.2 | 2,268.6 | 3.2 | 16.5 | 1.4 | 141.9 | 0.6 | 1,798.0 | 289.0 | 18.0 | 82.0 | 0.0 | 82.0 | 0.0 | 46.7 |
| 1992 | 3,520.5 | 268.4 | 455.6 | 1.8 | 1.4 | 397.6 | 54.7 | 2,706.1 | 1.8 | 23.2 | 2.1 | 109.5 | 0.0 | 2,084.1 | 471.3 | 13.9 | 87.7 | 25.6 | 62.1 | 0.1 | 2.8 |
| 1993 | 3,553.3 | 310.0 | 686.5 | 0.2 | 3.8 | 594.8 | 87.8 | 2,430.9 | 0.6 | 8.6 | 14.5 | 90.5 | 0.4 | 1,858.5 | 443.7 | 14.2 | 122.8 | 60.0 | 62.8 | 0.6 | 2.5 |
| 1994 | 3,351.3 | 372.9 | 847.1 | 5.7 | 8.2 | 687.2 | 146.0 | 1,922.3 | 1.5 | 0.8 | 20.4 | 45.9 | 0.1 | 1,456.4 | 379.1 | 18.1 | 205.6 | 141.9 | 63.6 | 0.9 | 2.4 |
| 1995 | 3,851.4 | 422.6 | 832.6 | 10.1 | 8.7 | 554.0 | 259.8 | 2,282.7 | 0.2 | 0.2 | 12.4 | 29.3 | 0.0 | 1,858.4 | 373.9 | 8.3 | 311.9 | 252.1 | 59.8 | 0.0 | 1.6 |
| 1996 | 3,451.0 | 339.4 | 826.7 | 21.0 | 9.8 | 496.5 | 299.4 | 1,931.6 | 1.2 | 0.4 | 14.3 | 38.4 | 0.0 | 1,575.1 | 300.4 | 1.7 | 351.6 | 330.3 | 21.3 | 0.2 | 1.6 |
| 1997 | 4,086.1 | 606.1 | 856.4 | 16.4 | 6.2 | 569.1 | 264.7 | 2,200.7 | 2.0 | 0.0 | 47.3 | 33.4 | 0.0 | 1,786.2 | 326.8 | 5.0 | 422.3 | 306.8 | 115.6 | 0.3 | 0.2 |
| 1998 | 4,581.7 | 654.6 | 490.1 | 7.2 | 6.2 | 271.3 | 205.4 | 2,948.5 | 1.2 | 0.0 | 104.1 | 36.7 | 1.2 | 2,074.2 | 723.3 | 7.8 | 480.8 | 388.1 | 92.8 | 2.0 | 5.6 |
| 1999[r] | 5,126.8 | 713.9 | 720.4 | 16.3 | 2.4 | 463.3 | 238.5 | 3,010.1 | 0.8 | 0.0 | 149.3 | 45.2 | 1.3 | 1,839.3 | 962.7 | 11.5 | 637.8 | 535.3 | 102.5 | 3.8 | 40.8 |
| 2000 | 5,078.0 | 819.6 | 874.4 | 18.0 | 2.5 | 602.7 | 251.2 | 2,558.8 | 2.2 | 0.0 | 162.0 | 49.2 | 0.1 | 1,510.6 | 813.0 | 21.8 | 784.6 | 668.4 | 116.2 | 28.7 | 11.9 |
| 2001 | 5,201.6 | 813.6 | 858.9 | 18.4 | 3.1 | 642.3 | 195.1 | 2,486.0 | 0.2 | 0.0 | 276.4 | 39.0 | 1.2 | 1,368.2 | 762.4 | 38.7 | 978.6 | 794.8 | 183.8 | 38.6 | 25.9 |
| 2002 | 5,993.9 | 763.9 | 967.4 | 0.1 | 6.2 | 772.1 | 189.0 | 3,124.9 | 0.5 | 0.0 | 547.1 | 38.9 | 0.0 | 1,508.1 | 1024.6 | 5.8 | 1091.3 | 972.2 | 119.2 | 42.5 | 3.8 |

[a]U.S. International Trade Commission (81); U.S. Department of Agriculture, Foreign Agricultural Service (41). Data may not add to totals because of rounding.
Conversion of 2.036 used from square feet 3/8 inch basis.

[b]For the years 1974 to 1977, all imports with a value of less than $500 are included in Other.

[c]Includes Brazil from 1965-1988.

[d]Includes Taiwan from 1965-1988.

[e]Includes mixed species (not classified as hardwoods or softwoods).

[f]Fewer than 100 $ft^2$.

[r]Revised.

[z]Not available.

**Table 40—Veneer imports and exports, by species, 1965–2002 (million square feet, surface measured)[a]**

| | Imports | | | | | Exports | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hardwoods | | | | | Hardwoods | | | | |
| Year | Total | Total | Birch and maple | Other | Soft-woods | Total | Total | Walnut | Red and white oak | Other | Soft-woods |
| 1965 | 1,958.2 | 1,871.2 | 817.4 | 1,053.8 | 87.0 | 169.8 | 143.7 | 80.6 | [b] | 63.1 | 26.1 |
| 1966 | 2,043.0 | 1,843.7 | 766.4 | 1,077.3 | 199.3 | 153.9 | 110.5 | 54.2 | [b] | 56.3 | 43.4 |
| 1967 | 1,990.9 | 1,796.7 | 754.9 | 1,041.8 | 194.2 | 192.8 | 105.8 | 44.8 | [b] | 61.0 | 87.0 |
| 1968 | 2,340.1 | 2,178.7 | 820.8 | 1,357.9 | 161.4 | 306.3 | 173.6 | 71.9 | [b] | 101.7 | 132.7 |
| 1969 | 2,054.6 | 1,855.7 | 698.2 | 1,157.5 | 198.9 | 360.6 | 194.2 | 92.4 | [b] | 101.8 | 166.4 |
| 1970 | 1,876.6 | 1,605.8 | 650.0 | 955.8 | 270.8 | 327.1 | 183.8 | 111.3 | [b] | 72.5 | 143.3 |
| 1971 | 2,302.1 | 2,035.2 | 812.0 | 1,223.2 | 266.9 | 571.5 | 172.7 | 97.7 | [b] | 75.0 | 398.8 |
| 1972 | 3,151.4 | 2,786.0 | 997.9 | 1,788.1 | 365.4 | 491.7 | 204.3 | 84.9 | [b] | 119.4 | 287.4 |
| 1973 | 2,967.7 | 2,582.9 | 890.5 | 1,692.4 | 384.8 | 660.5 | 346.0 | 90.9 | [b] | 255.1 | 314.5 |
| 1974 | 2,281.6 | 1,965.9 | 679.6 | 1,286.3 | 315.7 | 599.4 | 380.8 | 77.4 | [b] | 303.4 | 218.6 |
| 1975 | 1,497.7 | 1,145.6 | 552.2 | 593.4 | 352.1 | 736.8 | 390.3 | 63.6 | [b] | 326.7 | 346.5 |
| 1976 | 1,993.5 | 1,595.6 | 760.3 | 835.3 | 397.9 | 768.2 | 505.8 | 91.8 | [b] | 414.0 | 262.4 |
| 1977 | 2,261.0 | 1,718.5 | 721.3 | 997.2 | 542.5 | 687.0 | 516.5 | 93.1 | [b] | 423.4 | 170.5 |
| 1978 | 2,143.3 | 1,632.5 | 722.8 | 909.7 | 510.8 | 1,541.6 | 1,353.3 | 128.9 | 476.1 | 748.3 | 188.3 |
| 1979 | 2,076.6 | 1,560.1 | 713.4 | 846.7 | 516.5 | 1,072.5 | 886.0 | 80.6 | 522.0 | 283.4 | 186.5 |
| 1980 | 1,666.8 | 1,213.2 | 584.2 | 629.0 | 453.6 | 1,333.1 | 1,077.3 | 117.8 | 631.2 | 328.3 | 255.8 |
| 1981 | 1,729.3 | 1,406.3 | 605.1 | 801.2 | 323.0 | 1,378.1 | 919.6 | 107.9 | 509.2 | 302.5 | 458.5 |
| 1982 | 1,665.9 | 1,231.9 | 506.8 | 725.1 | 434.0 | 1,140.3 | 803.6 | 78.6 | 512.9 | 212.1 | 336.7 |
| 1983 | 2,072.5 | 1,607.2 | 637.8 | 969.4 | 465.3 | 1,438.8 | 1,023.8 | 106.0 | 624.4 | 293.4 | 415.0 |
| 1984 | 1,886.8 | 1,502.9 | 537.2 | 965.7 | 383.9 | 1,370.5 | 1,002.7 | 84.4 | 636.0 | 282.3 | 367.8 |
| 1985 | 1,753.4 | 1,398.0 | 501.5 | 896.5 | 355.4 | 1,100.2 | 792.6 | 85.6 | 481.5 | 225.5 | 307.6 |
| 1986 | 1,997.4 | 1,603.9 | 557.3 | 1,046.6 | 393.5 | 1,466.1 | 995.8 | 72.6 | 639.3 | 283.9 | 470.3 |
| 1987 | 2,106.6 | 1,682.2 | 563.4 | 1,118.8 | 424.4 | 1,775.9 | 1,384.7 | 90.7 | 857.4 | 436.6 | 391.2 |
| 1988 | 2,226.7 | 1,713.8 | 588.0 | 1,125.8 | 512.9 | 1,830.1 | 1,574.2 | 69.9 | 1,058.7 | 445.6 | 255.9 |
| 1989 | 1,163.9 | 719.7 | 239.9 | 479.8 | 444.1 | 1,712.2 | 1,599.6 | 35.8 | 431.0 | 1,132.7 | 112.6 |
| 1990 | 2,109.3 | 1,600.7 | 559.2 | 1,041.5 | 508.6 | 1,820.2 | 1,681.4 | 103.4 | 1,135.5 | 442.5 | 138.9 |
| 1991 | 1,917.4 | 1,383.7 | 523.5 | 860.2 | 533.7 | 1,896.1 | 1,725.5 | 85.9 | 1,084.3 | 555.4 | 170.6 |
| 1992 | 2,422.3 | 1,674.4 | 599.1 | 1,075.3 | 747.9 | 2,072.2 | 1,884.8 | 69.7 | 1,094.0 | 721.2 | 187.4 |
| 1993 | 2,870.0 | 1,904.1 | 619.2 | 1,284.9 | 965.9 | 2,209.9 | 1,977.4 | 60.7 | 958.1 | 958.6 | 232.5 |
| 1994 | 3,036.6 | 1,946.6 | 713.0 | 1,233.7 | 1,090.0 | 2,459.3 | 2,310.0 | 68.4 | 1,086.1 | 1,155.5 | 149.3 |
| 1995 | 3,223.2 | 2,283.2 | 739.4 | 1,543.8 | 940.0 | 2,800.0 | 2,613.3 | 73.6 | 1,109.9 | 1,429.8 | 186.7 |
| 1996 | 3,011.4 | 2,093.4 | 718.2 | 1,375.1 | 918.0 | 2,792.7 | 2,613.3 | 49.1 | 1,080.1 | 1,484.1 | 179.4 |
| 1997 | 2,926.9 | 1,994.9 | 767.9 | 1,227.0 | 932.0 | 3,068.6 | 2,875.4 | 60.2 | 1,070.3 | 1,744.8 | 193.2 |
| 1998 | 3,435.1 | 2,210.7 | 789.2 | 1,421.6 | 1,224.3 | 2,946.1 | 2,722.2 | 58.6 | 1,041.5 | 1,622.0 | 223.9 |
| 1999 | 3,933.3 | 2,350.6 | 947.9 | 1,402.7 | 1,582.7 | 3,293.3 | 2,986.8 | 78.6 | 1,008.7 | 1,899.4 | 306.5 |
| 2000 | 4,339.0 | 2,479.8 | 1,085.4 | 1,394.4 | 1,859.1 | 3,527.8 | 3,200.2 | 83.7 | 1,022.0 | 2,094.5 | 327.6 |
| 2001 | 4,263.7 | 2,166.5 | 897.0 | 1,269.5 | 2,097.2 | 3,372.2 | 3,148.8 | 102.6 | 936.9 | 2,109.3 | 223.4 |
| 2002 | 4,714.0 | 2,328.7 | 950.8 | 1,377.9 | 2,385.3 | 3,720.7 | 3,460.4 | 92.8 | 836.8 | 2,530.9 | 260.3 |

[a]American Forest and Paper Association (4); U.S. International Trade Commission (81).
Data may not add to totals because of rounding,
[b]Red and white oak are included in Other for 1965 to 1977.

**Table 41—Hardwood veneer imports, by country or region of origin, 1965–2002**

**(million square feet, surface measured)[a]**

| | | | Latin America | | | | Asia | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | Total | Canada | Total | Mexico | Central America and West Indies | South America | Total | Japan | Philippines | Other Asia | Africa | Europe | Other[b] |
| 1965 | 1,871.2 | 852.0 | 67.1 | 0.1 | 19.2 | 47.8 | 687.0 | 4.8 | 527.0 | 155.2 | 219.8 | 44.3 | 0.9 |
| 1966 | 1,843.7 | 792.8 | 96.4 | 0.3 | 21.2 | 74.9 | 714.1 | 3.8 | 522.7 | 187.6 | 209.7 | 29.6 | 1.0 |
| 1967 | 1,796.7 | 775.8 | 140.9 | 0.1 | 8.0 | 132.8 | 580.9 | 3.8 | 451.8 | 125.3 | 271.2 | 27.7 | 0.2 |
| 1968 | 2,178.7 | 837.7 | 200.5 | 1.5 | 16.8 | 182.2 | 837.7 | 4.3 | 609.8 | 223.6 | 276.5 | 26.3 | 0.1 |
| 1969 | 1,855.7 | 713.9 | 152.7 | 0.6 | 13.1 | 139.0 | 838.6 | 5.3 | 671.4 | 161.9 | 128.1 | 22.2 | 0.3 |
| 1970 | 1,605.8 | 672.4 | 191.0 | 0.6 | 5.0 | 185.4 | 569.1 | 3.3 | 460.0 | 105.8 | 147.0 | 26.1 | 0.2 |
| 1971 | 2,035.2 | 842.4 | 216.1 | 0.5 | 15.1 | 200.5 | 809.4 | 4.5 | 590.9 | 214.0 | 143.1 | 24.0 | 0.2 |
| 1972 | 2,786.0 | 1,051.8 | 303.8 | [c] | 28.8 | 275.0 | 1226.5 | 0.9 | 822.5 | 403.1 | 153.9 | 30.2 | 19.7 |
| 1973 | 2,582.9 | 944.4 | 288.4 | [c] | 43.2 | 245.2 | 1126.1 | 2.3 | 850.8 | 273.0 | 167.2 | 27.8 | 29.0 |
| 1974 | 1,965.9 | 709.2 | 243.8 | [z] | 43.9 | 199.9 | 874.0 | 0.9 | 660.8 | 212.3 | 78.6 | 39.4 | 20.8 |
| 1975 | 1,145.6 | 570.7 | 132.5 | [z] | 22.2 | 110.3 | 331.5 | 3.8 | 294.3 | 33.4 | 74.3 | 23.1 | 13.5 |
| 1976 | 1,595.6 | 804.6 | 210.8 | [z] | 8.3 | 202.5 | 520.6 | 4.5 | 452.4 | 63.7 | 15.0 | 30.1 | 14.5 |
| 1977 | 1,718.5 | 801.4 | 159.1 | 0.9 | 13.0 | 145.2 | 689.3 | 5.5 | 580.5 | 103.3 | 19.6 | 30.5 | 18.7 |
| 1978 | 1,632.5 | 817.4 | 213.1 | 3.6 | 21.8 | 187.7 | 536.8 | 7.1 | 442.6 | 87.1 | 19.1 | 44.7 | 1.5 |
| 1979 | 1,560.1 | 834.0 | 149.4 | 2.0 | 28.2 | 119.2 | 482.5 | 1.3 | 448.2 | 33.0 | 35.4 | 56.4 | 2.4 |
| 1980 | 1,213.2 | 700.4 | 156.0 | [z] | 27.3 | 130.7 | 301.6 | 2.0 | 261.5 | 38.1 | 21.9 | 31.4 | 1.5 |
| 1981 | 1,406.3 | 753.6 | 165.0 | 0.2 | 27.3 | 137.5 | 398.2 | 0.9 | 330.7 | 66.6 | 36.3 | 41.6 | 11.4 |
| 1982 | 1,231.9 | 705.9 | 161.2 | 0.8 | 24.4 | 136.0 | 149.9 | 0.7 | 120.0 | 29.2 | 19.2 | 193.2 | 2.6 |
| 1983 | 1,607.2 | 908.3 | 192.2 | 3.0 | 23.1 | 166.1 | 366.0 | 2.8 | 318.3 | 44.9 | 27.1 | 100.9 | 12.8 |
| 1984 | 1,502.9 | 828.1 | 227.5 | 0.8 | 31.6 | 195.1 | 287.2 | 8.5 | 180.7 | 98.0 | 13.7 | 127.6 | 19.0 |
| 1985 | 1,398.0 | 728.7 | 233.1 | 0.2 | 26.5 | 206.4 | 240.5 | 6.5 | 110.7 | 123.3 | 26.1 | 150.8 | 18.8 |
| 1986 | 1,603.9 | 831.8 | 233.9 | 0.2 | 20.8 | 212.9 | 310.4 | 5.1 | 112.7 | 192.6 | 57.4 | 139.0 | 31.3 |
| 1987 | 1,682.2 | 910.8 | 245.0 | [z] | 18.0 | 227.0 | 331.3 | 6.3 | 122.8 | 202.2 | 40.9 | 127.0 | 27.2 |
| 1988 | 1,713.8 | 944.3 | 312.8 | 0.8 | 33.2 | 278.8 | 279.5 | 2.0 | 182.4 | 95.1 | 41.6 | 92.8 | 42.8 |
| 1989 | 719.7 | 366.9 | 143.1 | 0.0 | 6.4 | 136.7 | 116.4 | 2.5 | 72.5 | 41.4 | 23.9 | 53.9 | 15.6 |
| 1990 | 1,600.7 | 904.2 | 320.6 | 0.0 | 28.4 | 292.2 | 221.2 | 5.8 | 111.6 | 103.8 | 31.8 | 93.6 | 29.4 |
| 1991 | 1,383.7 | 832.1 | 254.4 | 0.0 | 25.5 | 228.9 | 167.3 | 4.8 | 73.3 | 89.1 | 26.7 | 75.0 | 28.2 |
| 1992 | 1,674.4 | 997.9 | 364.5 | 1.0 | 109.0 | 254.5 | 182.9 | 2.9 | 64.2 | 115.8 | 21.8 | 80.9 | 26.4 |
| 1993 | 1,904.1 | 1,158.4 | 452.8 | 2.9 | 7.8 | 442.0 | 120.5 | 2.5 | 11.6 | 106.3 | 39.2 | 95.7 | 37.5 |
| 1994 | 1,946.6 | 1,220.8 | 414.5 | 1.4 | 6.5 | 406.5 | 71.7 | 3.0 | 5.7 | 63.1 | 41.5 | 151.5 | 46.6 |
| 1995 | 2,283.2 | 1,186.4 | 575.4 | 9.1 | 14.8 | 551.5 | 213.0 | 3.5 | 47.9 | 161.6 | 114.4 | 137.8 | 56.1 |
| 1996 | 2,093.4 | 1,190.2 | 508.8 | 13.6 | 6.1 | 489.1 | 58.1 | 4.3 | 0.1 | 53.7 | 171.4 | 112.0 | 52.9 |
| 1997 | 1,994.9 | 1,247.4 | 374.4 | 17.0 | 1.6 | 355.7 | 61.9 | 6.1 | 0.0 | 55.8 | 137.2 | 139.8 | 34.2 |
| 1998 | 2,210.7 | 1,316.2 | 351.8 | 22.3 | 1.9 | 327.6 | 99.2 | 3.2 | 0.0 | 96.0 | 218.4 | 176.1 | 49.0 |
| 1999 | 2,350.6 | 1,440.5 | 340.8 | 22.6 | 0.7 | 317.5 | 94.0 | 5.6 | 0.0 | 88.4 | 282.7 | 167.5 | 25.2 |
| 2000 | 2,479.8 | 1,503.9 | 309.4 | 41.6 | 0.8 | 267.0 | 96.4 | 6.9 | 0.0 | 89.6 | 269.3 | 279.6 | 21.2 |
| 2001 | 2,166.5 | 1,277.2 | 295.3 | 35.7 | 2.0 | 257.7 | 96.1 | 2.9 | 0.0 | 93.2 | 262.4 | 210.6 | 24.9 |
| 2002 | 2,328.7 | 1,322.6 | 314.7 | 24.4 | 0.2 | 290.0 | 99.4 | 3.3 | 0.0 | 96.1 | 314.9 | 254.0 | 23.1 |

[a]U.S. International Trade Commission (81). Data may not add to totals because of rounding.

[b]For the years 1974 to 1977, all imports with a value of less than $500 are included in Other.

[c]Fewer than 50,000 $ft^2$.

[z]Not available.

**Table 42—Producer price indexes for plywood, 1965–2002 (1997 = 100)[a]**

| | | | Softwood plywood | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | All plywood | | All softwood plywood | | Western | | Southern | | All hardwood plywood[b] | |
| Year | Actual | Relative[c] | Actual | Relative | Actual | Relative | Actual | Relative | Actual | Relative |
| 1965 | 28.0 | 110.4 | 21.4 | 84.3 | z | z | z | z | 43.7 | 172.1 |
| 1966 | 28.2 | 107.9 | 21.5 | 82.2 | z | z | z | z | 44.1 | 168.8 |
| 1967 | 27.1 | 103.4 | 20.2 | 77.1 | z | z | z | z | 43.4 | 165.7 |
| 1968 | 31.3 | 116.5 | 26.2 | 97.5 | z | z | z | z | 43.7 | 162.6 |
| 1969 | 33.2 | 118.8 | 28.1 | 100.5 | 26.9 | 96.2 | 32.1 | 115.0 | 45.3 | 161.9 |
| 1970 | 29.4 | 101.4 | 23.0 | 79.4 | 21.9 | 75.5 | 27.2 | 93.8 | 44.5 | 153.7 |
| 1971 | 31.0 | 103.8 | 25.7 | 85.9 | 24.4 | 81.6 | 31.0 | 103.9 | 43.7 | 146.4 |
| 1972 | 35.4 | 113.2 | 31.3 | 100.1 | 29.8 | 95.3 | 37.1 | 118.6 | 45.3 | 145.1 |
| 1973 | 42.1 | 119.2 | 39.2 | 111.2 | 37.7 | 106.9 | 42.9 | 121.5 | 49.0 | 138.9 |
| 1974 | 43.6 | 103.9 | 37.7 | 90.0 | 36.5 | 87.0 | 40.6 | 96.9 | 56.6 | 135.0 |
| 1975 | 43.6 | 95.2 | 40.6 | 88.7 | 39.2 | 85.7 | 42.6 | 93.0 | 51.9 | 113.4 |
| 1976 | 50.7 | 105.8 | 50.1 | 104.5 | 47.3 | 98.8 | 55.9 | 116.8 | 53.2 | 111.2 |
| 1977 | 57.4 | 112.8 | 59.9 | 117.6 | 56.2 | 110.3 | 68.1 | 133.7 | 55.4 | 108.8 |
| 1978 | 63.8 | 116.5 | 66.0 | 120.5 | 62.7 | 114.4 | 72.9 | 133.1 | 60.9 | 111.2 |
| 1979 | 67.8 | 109.8 | 65.2 | 105.5 | 63.5 | 102.8 | 66.7 | 107.9 | 73.5 | 119.0 |
| 1980 | 66.7 | 94.8 | 62.5 | 88.7 | 60.1 | 85.3 | 66.4 | 94.3 | 76.7 | 108.9 |
| 1981 | 66.6 | 86.6 | 62.0 | 80.6 | 60.7 | 79.0 | 63.1 | 82.1 | 78.1 | 101.7 |
| 1982 | 62.8 | 80.1 | 57.0 | 72.7 | 54.6 | 69.6 | 61.3 | 78.2 | 78.6 | 100.3 |
| 1983 | 66.1 | 83.2 | 62.7 | 79.0 | 59.4 | 74.8 | 69.1 | 87.0 | 78.1 | 98.4 |
| 1984 | 65.4 | 80.4 | 61.4 | 75.5 | 58.8 | 72.3 | 65.3 | 80.3 | 78.4 | 96.4 |
| 1985 | 62.6 | 77.2 | 61.3 | 75.7 | 58.8 | 72.7 | 64.9 | 80.1 | 70.7 | 87.3 |
| 1986 | 63.7 | 81.1 | 62.4 | 79.4 | 60.0 | 76.4 | 66.0 | 84.0 | 71.6 | 91.1 |
| 1987 | 64.5 | 80.0 | 62.6 | 77.7 | 60.8 | 75.4 | 65.1 | 80.7 | 73.1 | 90.7 |
| 1988 | 65.0 | 77.5 | 62.2 | 74.2 | 61.7 | 73.6 | 62.4 | 74.5 | 74.1 | 88.4 |
| 1989 | 72.8 | 82.8 | 70.9 | 80.5 | 70.6 | 80.3 | 70.1 | 79.6 | 78.6 | 89.3 |
| 1990 | 71.7 | 78.7 | 68.3 | 74.9 | 68.4 | 75.1 | 66.7 | 73.1 | 80.8 | 88.6 |
| 1991 | 71.8 | 78.6 | 68.9 | 75.4 | 69.2 | 75.7 | 67.1 | 73.4 | 80.9 | 88.6 |
| 1992 | 83.6 | 91.0 | 83.9 | 91.2 | 83.5 | 90.8 | 84.6 | 92.0 | 84.1 | 91.5 |
| 1993 | 96.0 | 102.9 | 96.8 | 103.7 | 97.3 | 104.3 | 95.6 | 102.5 | 90.8 | 97.4 |
| 1994 | 99.7 | 105.6 | 100.9 | 106.9 | 101.0 | 107.0 | 102.6 | 108.7 | 96.2 | 101.9 |
| 1995 | 103.9 | 106.2 | 107.3 | 109.7 | 105.0 | 107.4 | 112.4 | 115.0 | 96.1 | 98.3 |
| 1996 | 98.4 | 98.2 | 99.2 | 99.0 | 98.3 | 98.1 | 96.6 | 96.4 | 98.3 | 98.1 |
| 1997 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1998 | 99.0 | 97.5 | 99.9 | 98.4 | 98.0 | 96.6 | 106.2 | 104.7 | 99.9 | 98.4 |
| 1999 | 110.8 | 100.2 | 118.1 | 106.9 | 116.7 | 105.7 | 125.4 | 113.5 | 101.2 | 91.6 |
| 2000 | 99.0 | 81.2 | 98.9 | 81.0 | 97.9 | 80.3 | 101.7 | 83.4 | 102.4 | 84.0 |
| 2001 | 96.9 | 78.6 | 95.7 | 77.6 | 94.3 | 76.4 | 100.2 | 81.2 | 102.6 | 83.2 |
| 2002 | 95.3 | 79.1 | 93.6 | 77.7 | 93.0 | 77.2 | 94.9 | 78.7 | 103.5 | 85.9 |

[a]U.S. Department of Labor, Bureau of Labor Statistics (75).

[b]Hardwood plywood and related products.

[c]Derived by dividing the actual price index by the all commodities index.

[z]Not available.

**Table 43—Paper and board[a] production, imports, exports, and consumption, 1965–2002[b]**

| Year | Production | Imports[c] | | Exports[c] | | Consumption | |
|---|---|---|---|---|---|---|---|
| | | | | | | Total | Per capita |
| | *Thousand tons* | *Thousand tons* | *Percent of consumption* | *Thousand tons* | *Percent of production* | *Thousand tons* | *Pounds* |
| 1965 | 40,489 | 6,536 | 14.4 | 1,530 | 3.8 | 45,495 | 468 |
| 1966 | 43,904 | 7,178 | 14.5 | 1,696 | 3.9 | 49,386 | 502 |
| 1967 | 43,745 | 6,818 | 14.0 | 1,835 | 4.2 | 48,728 | 490 |
| 1968 | 47,085 | 6,643 | 12.9 | 2,125 | 4.5 | 51,602 | 514 |
| 1969 | 49,824 | 7,051 | 12.9 | 2,377 | 4.8 | 54,498 | 538 |
| 1970 | 48,719 | 6,845 | 12.9 | 2,433 | 5.0 | 53,131 | 518 |
| 1971 | 49,741 | 6,932 | 12.8 | 2,665 | 5.4 | 54,008 | 520 |
| 1972 | 53,842 | 7,245 | 12.4 | 2,790 | 5.2 | 58,297 | 555 |
| 1973 | 56,346 | 7,865 | 12.8 | 2,616 | 4.6 | 61,595 | 581 |
| 1974 | 55,756 | 8,128 | 13.4 | 3,058 | 5.5 | 60,827 | 569 |
| 1975 | 47,997 | 5,961 | 11.6 | 2,400 | 5.0 | 51,557 | 477 |
| 1976 | 54,993 | 6,879 | 11.6 | 2,637 | 4.8 | 59,235 | 543 |
| 1977 | 56,656 | 7,190 | 11.7 | 2,546 | 4.5 | 61,301 | 557 |
| 1978 | 58,571 | 8,311 | 12.9 | 2,583 | 4.4 | 64,299 | 578 |
| 1979 | 61,070 | 8,462 | 12.7 | 2,864 | 4.7 | 66,668 | 592 |
| 1980 | 61,042 | 8,013 | 12.4 | 4,241 | 6.9 | 64,814 | 569 |
| 1981 | 62,109 | 7,779 | 11.7 | 3,630 | 5.8 | 66,258 | 576 |
| 1982 | 59,290 | 7,321 | 11.6 | 3,494 | 5.9 | 63,117 | 544 |
| 1983 | 64,947 | 8,357 | 12.0 | 3,786 | 5.8 | 69,519 | 593 |
| 1984 | 68,449 | 10,148 | 13.5 | 3,542 | 5.2 | 75,055 | 635 |
| 1985 | 66,983 | 10,444 | 14.1 | 3,290 | 4.9 | 74,137 | 622 |
| 1986 | 70,905 | 10,922 | 14.0 | 3,972 | 5.6 | 77,855 | 647 |
| 1987 | 74,361 | 11,855 | 14.4 | 4,111 | 5.5 | 82,105 | 676 |
| 1988 | 76,587 | 12,184 | 14.4 | 4,239 | 5.5 | 84,532 | 690 |
| 1989 | 76,786 | 12,027 | 14.3 | 4,713 | 6.1 | 84,100 | 680 |
| 1990 | 78,679 | 12,195 | 14.2 | 5,163 | 6.6 | 85,711 | 686 |
| 1991 | 79,427 | 11,086 | 13.2 | 6,435 | 8.1 | 84,078 | 665 |
| 1992 | 82,868 | 11,731 | 13.4 | 7,021 | 8.5 | 87,578 | 686 |
| 1993 | 84,857 | 12,990 | 14.3 | 6,835 | 8.1 | 91,013 | 705 |
| 1994 | 89,080 | 13,651 | 14.3 | 7,536 | 8.5 | 95,195 | 730 |
| 1995 | 89,509 | 14,238 | 14.8 | 7,621 | 8.5 | 96,126 | 731 |
| 1996 | 90,381 | 13,023 | 13.8 | 9,118 | 10.1 | 94,287 | 710 |
| 1997 | 95,029 | 14,513 | 14.6 | 10,367 | 10.9 | 99,175 | 740 |
| 1998 | 94,510 | 15,571 | 15.4 | 9,103 | 9.6 | 100,978 | 747 |
| 1999 | 97,020 | 16,678 | 15.9 | 8,824 | 9.1 | 104,873 | 768 |
| 2000 | 94,491 | 17,356 | 16.8 | 8,701 | 9.2 | 103,147 | 731 |
| 2001 | 88,913 | 16,449 | 16.9 | 8,059 | 9.1 | 97,303 | 683 |
| 2002 | 89,636 | 16,567 | 17.0 | 8,976 | 10.0 | 97,227 | 676 |

[a]Excludes hardboard, wet machine board, and construction grades.

[b]Numbers are the sum of Table 44 & Table 45.

[c]Excludes converted products.

**Table 44—Paper shipments, imports, exports, and consumption, 1965–2002[a]**

| Year | Shipments[b,c] | Imports[b,c,d] | | Exports[b,c] | | Consumption | |
|---|---|---|---|---|---|---|---|
| | | | | | | Total[e] | Per capita[f] |
| | *Thousand tons* | *Thousand tons* | *Percent of consumption* | *Thousand tons* | *Percent of production* | *Thousand tons* | *Pounds* |
| 1965 | 19,157 | 6,528 | 25.9 | 491 | 2.6 | 25,194 | 259 |
| 1966 | 20,725 | 7,128 | 26.1 | 530 | 2.6 | 27,323 | 278 |
| 1967 | 20,926 | 6,805 | 25.0 | 501 | 2.4 | 27,230 | 274 |
| 1968 | 22,181 | 6,625 | 23.4 | 529 | 2.4 | 28,277 | 282 |
| 1969 | 23,449 | 7,040 | 23.5 | 517 | 2.2 | 29,972 | 296 |
| 1970 | 23,351 | 6,835 | 23.1 | 534 | 2.3 | 29,652 | 289 |
| 1971 | 23,722 | 6,915 | 23.0 | 550 | 2.3 | 30,087 | 290 |
| 1972 | 25,359 | 7,237 | 22.6 | 559 | 2.2 | 32,037 | 305 |
| 1973 | 26,797 | 7,832 | 23.0 | 601 | 2.2 | 34,028 | 321 |
| 1974 | 26,863 | 8,094 | 23.8 | 909 | 3.4 | 34,049 | 318 |
| 1975 | 23,260 | 5,953 | 21.1 | 947 | 4.1 | 28,266 | 262 |
| 1976 | 26,577 | 6,866 | 21.1 | 928 | 3.5 | 32,515 | 298 |
| 1977 | 27,722 | 7,162 | 21.0 | 716 | 2.6 | 34,168 | 310 |
| 1978 | 28,320 | 8,211 | 22.8 | 543 | 1.9 | 35,988 | 323 |
| 1979 | 29,666 | 8,380 | 22.4 | 601 | 2.0 | 37,445 | 333 |
| 1980 | 30,116 | 7,915 | 21.3 | 907 | 3.0 | 37,124 | 326 |
| 1981 | 30,901 | 7,649 | 20.4 | 1,008 | 3.3 | 37,542 | 326 |
| 1982 | 30,245 | 7,206 | 19.7 | 840 | 2.8 | 36,611 | 315 |
| 1983 | 32,802 | 8,189 | 20.4 | 774 | 2.4 | 40,217 | 343 |
| 1984 | 34,446 | 9,905 | 22.7 | 811 | 2.4 | 43,540 | 369 |
| 1985 | 34,061 | 10,260 | 23.6 | 779 | 2.3 | 43,542 | 365 |
| 1986 | 35,550 | 10,641 | 23.5 | 884 | 2.5 | 45,307 | 376 |
| 1987 | 36,919 | 11,494 | 24.2 | 921 | 2.5 | 47,492 | 391 |
| 1988 | 38,353 | 11,843 | 24.1 | 1,102 | 2.9 | 49,094 | 401 |
| 1989 | 38,266 | 11,494 | 23.8 | 1,466 | 3.8 | 48,295 | 391 |
| 1990 | 39,361 | 11,569 | 23.4 | 1,519 | 3.9 | 49,411 | 395 |
| 1991 | 39,084 | 10,313 | 21.8 | 2,072 | 5.3 | 47,325 | 375 |
| 1992 | 40,973 | 10,787 | 22.0 | 2,635 | 6.4 | 49,125 | 385 |
| 1993 | 41,745 | 11,905 | 23.3 | 2,587 | 6.2 | 51,063 | 396 |
| 1994 | 43,356 | 12,384 | 23.5 | 2,980 | 6.9 | 52,760 | 405 |
| 1995 | 42,868 | 12,820 | 24.3 | 3,011 | 7.0 | 52,677 | 401 |
| 1996 | 42,481 | 11,694 | 23.1 | 3,500 | 8.2 | 50,676 | 382 |
| 1997 | 44,697 | 13,016 | 24.1 | 3,599 | 8.1 | 54,114 | 404 |
| 1998 | 44,761 | 13,905 | 25.1 | 3,288 | 7.3 | 55,378 | 410 |
| 1999[r] | 45,979 | 14,707 | 25.7 | 3,405 | 7.4 | 57,281 | 419 |
| 2000 | 45,519 | 15,373 | 26.9 | 3,767 | 8.3 | 57,125 | 405 |
| 2001 | 42,104 | 14,502 | 27.3 | 3,389 | 8.0 | 53,217 | 374 |
| 2002 | 41,510 | 14,502 | 27.4 | 3,111 | 7.5 | 52,901 | 368 |

[a]Excludes building paper and converted products.
[b]American Forest & Paper Association (5).
[c]American Forest & Paper Association (3).
[d]This import series incorporates data on Canadian exports of newsprint & uncoated groundwood to the U.S. rather than US Dept. of Commerce import data for these commodities. Such data for 1998 obtained from the Canadian Pulp & Paper Association (CPPA), in Ottawa, Canada, by fax communication.
[e]Consumption = Production + Imports - Exports.
[f]Based upon population data given in Table 1.
[r]Revised.

**Table 45—Paperboard[a] production,[b] imports, exports, and consumption, 1965–2002**

| Year | Production[c,d] | Imports[c,d] | | Exports[c,d,e] | | Consumption | |
|---|---|---|---|---|---|---|---|
| | | | | | | Total[f] | Per capita[g] |
| | *Thousand tons* | *Thousand tons* | *Percent of consumption* | *Thousand tons* | *Percent of production* | *Thousand tons* | *Pounds* |
| 1965 | 21,332 | 8 | 0.0 | 1,039 | 4.9 | 20,301 | 209 |
| 1966 | 23,179 | 50 | 0.2 | 1,166 | 5.0 | 22,063 | 224 |
| 1967 | 22,819 | 13 | 0.1 | 1,334 | 5.8 | 21,498 | 216 |
| 1968 | 24,904 | 18 | 0.1 | 1,596 | 6.4 | 23,326 | 232 |
| 1969 | 26,376 | 11 | 0.0 | 1,860 | 7.1 | 24,527 | 242 |
| 1970 | 25,368 | 10 | 0.0 | 1,899 | 7.5 | 23,479 | 229 |
| 1971 | 26,019 | 17 | 0.1 | 2,115 | 8.1 | 23,921 | 230 |
| 1972 | 28,483 | 8 | 0.0 | 2,231 | 7.8 | 26,260 | 250 |
| 1973 | 29,549 | 33 | 0.1 | 2,015 | 6.8 | 27,567 | 260 |
| 1974 | 28,894 | 34 | 0.1 | 2,149 | 7.4 | 26,779 | 250 |
| 1975 | 24,736 | 8 | 0.0 | 1,453 | 5.9 | 23,291 | 216 |
| 1976 | 28,416 | 13 | 0.0 | 1,709 | 6.0 | 26,720 | 245 |
| 1977 | 28,935 | 28 | 0.1 | 1,830 | 6.3 | 27,133 | 246 |
| 1978 | 30,251 | 100 | 0.4 | 2,040 | 6.7 | 28,311 | 254 |
| 1979 | 31,404 | 82 | 0.3 | 2,263 | 7.2 | 29,223 | 260 |
| 1980 | 30,926 | 98 | 0.4 | 3,334 | 10.8 | 27,690 | 243 |
| 1981 | 31,208 | 130 | 0.5 | 2,622 | 8.4 | 28,716 | 250 |
| 1982 | 29,045 | 115 | 0.4 | 2,654 | 9.1 | 26,506 | 228 |
| 1983 | 32,146 | 168 | 0.6 | 3,012 | 9.4 | 29,302 | 250 |
| 1984 | 34,002 | 243 | 0.8 | 2,731 | 8.0 | 31,514 | 267 |
| 1985 | 32,922 | 184 | 0.6 | 2,511 | 7.6 | 30,595 | 257 |
| 1986 | 35,355 | 281 | 0.9 | 3,088 | 8.7 | 32,548 | 270 |
| 1987 | 37,442 | 361 | 1.0 | 3,190 | 8.5 | 34,613 | 285 |
| 1988 | 38,234 | 341 | 1.0 | 3,137 | 8.2 | 35,438 | 289 |
| 1989 | 38,519 | 533 | 1.5 | 3,247 | 8.4 | 35,805 | 290 |
| 1990 | 39,318 | 626 | 1.7 | 3,644 | 9.3 | 36,300 | 291 |
| 1991 | 40,343 | 773 | 2.1 | 4,363 | 10.8 | 36,753 | 291 |
| 1992 | 41,895 | 944 | 2.5 | 4,386 | 10.5 | 38,453 | 301 |
| 1993 | 43,113 | 1,085 | 2.7 | 4,248 | 9.9 | 39,950 | 310 |
| 1994 | 45,724 | 1,267 | 3.0 | 4,556 | 10.0 | 42,435 | 326 |
| 1995 | 46,641 | 1,418 | 3.3 | 4,610 | 9.9 | 43,449 | 330 |
| 1996 | 47,900 | 1,329 | 3.0 | 5,618 | 11.7 | 43,611 | 329 |
| 1997 | 50,332 | 1,497 | 3.3 | 6,768 | 13.4 | 45,061 | 336 |
| 1998 | 49,749 | 1,666 | 3.7 | 5,815 | 11.7 | 45,600 | 337 |
| 1999[r] | 51,041 | 1,971 | 4.1 | 5,419 | 10.6 | 47,593 | 348 |
| 2000 | 48,972 | 1,983 | 4.3 | 4,934 | 10.1 | 46,021 | 326 |
| 2001 | 46,809 | 1,948 | 4.4 | 4,670 | 10.0 | 44,087 | 310 |
| 2002 | 48,126 | 2,065 | 4.7 | 5,865 | 12.2 | 44,326 | 308 |

[a]Does not include wet machine board, hard pressed board nor insulation board. Does not include converted products.

[b]By end use.

[c]American Forest & Paper Association (5).

[d]American Forest & Paper Association (3).

[e]This export series represents production for export; numbers may differ from exports reported by U.S. Dept. of Commerce.

[f]Consumption = Production + Imports – Exports.

[g]Based upon population data given in Table 1.

[r]Revised.

**Table 46—Paper and board production and fibrous materials consumed in the manufacture of paper and board, 1965–2002**

| Year | Paper and board[a] production[b,c] | Consumption of fibrous materials | | | | Consumption of fibrous materials per ton of paper and board produced | | | | Recovered paper utilization rate |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Total | Wood pulp[d] | Recovered paper[e] | Other[c] | Total | Wood pulp | Recovered paper[f] | Other | |
| | *Thousand tons* | *Thousand tons* | *Thousand tons* | *Thousand tons* | *Thousand tons* | *Tons* | *Tons* | *Tons* | *Tons* | *Percent*[g] |
| 1965 | 40,489 | 46,838 | 35,728 | 10,231 | 879 | 1.157 | 0.882 | 0.253 | 0.022 | 25.3 |
| 1966 | 43,904 | 49,958 | 38,414 | 10,564 | 980 | 1.138 | 0.875 | 0.241 | 0.022 | 24.1 |
| 1967 | 43,745 | 48,846 | 38,122 | 9,888 | 836 | 1.117 | 0.871 | 0.226 | 0.019 | 22.6 |
| 1968 | 47,085 | 53,635 | 42,508 | 10,222 | 905 | 1.139 | 0.903 | 0.217 | 0.019 | 21.7 |
| 1969 | 49,824 | 57,597 | 44,750 | 11,969 | 878 | 1.156 | 0.898 | 0.240 | 0.018 | 24.0 |
| 1970 | 48,719 | 56,595 | 43,964 | 11,803 | 828 | 1.162 | 0.902 | 0.242 | 0.017 | 24.2 |
| 1971 | 49,741 | 58,224 | 45,243 | 12,106 | 875 | 1.171 | 0.910 | 0.243 | 0.018 | 24.3 |
| 1972 | 53,842 | 62,059 | 48,242 | 12,925 | 892 | 1.153 | 0.896 | 0.240 | 0.017 | 24.0 |
| 1973 | 56,346 | 64,953 | 49,976 | 14,094 | 883 | 1.153 | 0.887 | 0.250 | 0.016 | 25.0 |
| 1974 | 55,756 | 64,490 | 49,670 | 13,982 | 838 | 1.157 | 0.891 | 0.251 | 0.015 | 25.1 |
| 1975 | 47,997 | 55,970 | 43,597 | 11,748 | 625 | 1.166 | 0.908 | 0.245 | 0.013 | 24.5 |
| 1976 | 54,993 | 63,294 | 48,930 | 13,622 | 742 | 1.151 | 0.890 | 0.248 | 0.013 | 24.8 |
| 1977 | 56,656 | 65,240 | 50,356 | 14,058 | 826 | 1.152 | 0.889 | 0.248 | 0.015 | 24.8 |
| 1978 | 58,571 | 67,059 | 51,445 | 14,760 | 854 | 1.145 | 0.878 | 0.252 | 0.015 | 25.2 |
| 1979 | 61,070 | 68,648 | 52,560 | 15,361 | 727 | 1.124 | 0.861 | 0.252 | 0.012 | 25.2 |
| 1980 | 61,042 | 68,727 | 53,203 | 14,922 | 602 | 1.126 | 0.872 | 0.244 | 0.010 | 24.4 |
| 1981 | 62,109 | 68,828 | 53,199 | 15,037 | 592 | 1.108 | 0.857 | 0.242 | 0.010 | 24.2 |
| 1982 | 59,290 | 66,611 | 51,729 | 14,433 | 449 | 1.123 | 0.872 | 0.243 | 0.008 | 24.3 |
| 1983 | 64,947 | 70,573 | 54,504 | 15,638 | 431 | 1.087 | 0.839 | 0.241 | 0.007 | 24.1 |
| 1984 | 68,449 | 75,732 | 58,643 | 16,724 | 365 | 1.106 | 0.857 | 0.244 | 0.005 | 24.4 |
| 1985 | 66,983 | 71,482 | 54,816 | 16,371 | 295 | 1.067 | 0.818 | 0.244 | 0.004 | 24.4 |
| 1986 | 70,905 | 75,368 | 57,121 | 17,934 | 313 | 1.063 | 0.806 | 0.253 | 0.004 | 25.3 |
| 1987 | 74,361 | 78,522 | 59,508 | 18,694 | 320 | 1.056 | 0.800 | 0.251 | 0.004 | 25.1 |
| 1988 | 76,587 | 80,730 | 60,668 | 19,685 | 377 | 1.054 | 0.792 | 0.257 | 0.005 | 25.7 |
| 1989 | 76,786 | 81,772 | 61,234 | 20,220 | 318 | 1.065 | 0.797 | 0.263 | 0.004 | 26.3 |
| 1990 | 78,679 | 84,040 | 62,036 | 21,736 | 268 | 1.068 | 0.788 | 0.276 | 0.003 | 27.6 |
| 1991 | 79,427 | 86,143 | 62,294 | 23,662 | 187 | 1.085 | 0.784 | 0.298 | 0.002 | 29.8 |
| 1992 | 82,868 | 89,507 | 63,145 | 26,185 | 177 | 1.080 | 0.762 | 0.316 | 0.002 | 31.6 |
| 1993 | 84,857 | 91,471 | 63,227 | 28,011 | 233 | 1.078 | 0.745 | 0.330 | 0.003 | 33.0 |
| 1994 | 89,080 | 95,771 | 64,842 | 30,670 | 259 | 1.075 | 0.728 | 0.344 | 0.003 | 34.4 |
| 1995 | 89,509 | 96,529 | 64,811 | 31,389 | 329 | 1.078 | 0.724 | 0.351 | 0.004 | 35.1 |
| 1996 | 90,381 | 98,410 | 64,025 | 33,979 | 406 | 1.089 | 0.708 | 0.376 | 0.004 | 37.6 |
| 1997 | 95,029 | 101,591 | 66,057 | 35,209 | 298 | 1.069 | 0.695 | 0.371 | 0.003 | 37.1 |
| 1998[r] | 94,510 | 101,218 | 65,122 | 35,771 | 249 | 1.071 | 0.689 | 0.378 | 0.003 | 37.8 |
| 1999[r] | 97,020 | 100,690 | 63,638 | 36,727 | 255 | 1.038 | 0.656 | 0.379 | 0.003 | 37.9 |
| 2000 | 94,491 | 99,348 | 63,576 | 35,447 | 254 | 1.051 | 0.673 | 0.375 | 0.003 | 37.5 |
| 2001 | 88,913 | 94,232 | 59,380 | 34,527 | 268 | 1.060 | 0.668 | 0.388 | 0.003 | 38.8 |
| 2002[p] | 89,636 | 93,967 | 59,063 | 34,579 | 261 | 1.048 | 0.659 | 0.386 | 0.003 | 38.6 |

[a]Excludes wet machine board and construction grades.

[b]Production numbers equal totals in Table 43. Source: see footnote e.

[c]American Forest & Paper Association (5).

[d]Wood pulp consumption numbers from Table 49.

[e]Wastepaper consumption numbers from Table 47 (1985-1999 numbers were revised on Table 47).

[f]When given in percentages, referred to as "recovered paper utilization rate."

[g]Recovery rate is the ratio of paper and board production to recovered paper consumption.

[p]Preliminary.

[r]Revised.

**Table 47—Paper and board new supply and recyclable paper consumption, exports, imports, and total recovered, 1965–2002[a,b,c]**

| Year | Paper and board—new supply[d] | Recyclable paper | | | | | |
|---|---|---|---|---|---|---|---|
| | | Consumed at paper and board mills | For molded pulp, insulation, and other uses | Exports | Imports | Total recovered[e] | Recovery rate[f] |
| | *Thousand tons* | *Thousand tons* | *Thousand tons* | *Thousand tons* | *Thousand tons* | *Thousand tons* | *Percent* |
| 1965 | 48,270 | 10,231 | [z] | 292 | 108 | [z] | [z] |
| 1966 | 52,118 | 10,564 | [z] | 246 | 113 | [z] | [z] |
| 1967 | 51,435 | 9,888 | [z] | 262 | 86 | [z] | [z] |
| 1968 | 54,351 | 10,222 | [z] | 253 | 93 | [z] | [z] |
| 1969 | 57,423 | 11,969 | [z] | 289 | 75 | [z] | [z] |
| 1970 | 55,969 | 11,803 | 418 | 408 | 67 | 12,562 | 22.4 |
| 1971 | 57,450 | 12,106 | 442 | 419 | 68 | 12,899 | 22.4 |
| 1972 | 62,040 | 12,925 | 447 | 415 | 88 | 13,699 | 22.1 |
| 1973 | 65,004 | 14,094 | 499 | 683 | 87 | 15,189 | 23.4 |
| 1974 | 63,308 | 13,982 | 489 | 1,307 | 89 | 15,689 | 24.8 |
| 1975 | 54,113 | 11,748 | 535 | 861 | 72 | 13,072 | 24.2 |
| 1976 | 62,014 | 13,622 | 630 | 1,273 | 106 | 15,419 | 24.9 |
| 1977 | 64,243 | 14,058 | 870 | 1,512 | 92 | 16,348 | 25.4 |
| 1978 | 67,787 | 14,760 | 502 | 1,613 | 70 | 16,805 | 24.8 |
| 1979 | 69,796 | 15,361 | 509 | 2,127 | 78 | 17,919 | 25.7 |
| 1980 | 67,166 | 14,922 | 472 | 2,636 | 87 | 17,943 | 26.7 |
| 1981 | 67,957 | 15,037 | 480 | 2,282 | 79 | 17,720 | 26.1 |
| 1982 | 64,730 | 14,433 | 487 | 2,233 | 74 | 17,078 | 26.4 |
| 1983 | 71,166 | 15,638 | 474 | 2,705 | 100 | 18,727 | 26.3 |
| 1984 | 76,937 | 16,724 | 459 | 3,456 | 110 | 20,530 | 26.7 |
| 1985[r] | 76,133 | 16,371 | 529 | 3,556 | 88 | 20,369 | 26.8 |
| 1986[r] | 79,752 | 17,934 | 594 | 4,093 | 99 | 22,521 | 28.2 |
| 1987[r] | 83,484 | 18,694 | 657 | 4,809 | 127 | 24,033 | 28.8 |
| 1988[r] | 85,720 | 19,685 | 703 | 5,953 | 161 | 26,179 | 30.5 |
| 1989[r] | 85,370 | 20,220 | 722 | 6,307 | 173 | 27,077 | 31.7 |
| 1990[r] | 86,901 | 21,736 | 994 | 6,505 | 123 | 29,112 | 33.5 |
| 1991[r] | 85,145 | 23,662 | 1,063 | 6,598 | 122 | 31,201 | 36.6 |
| 1992[r] | 88,369 | 26,185 | 1,137 | 6,782 | 150 | 33,955 | 38.4 |
| 1993[r] | 91,639 | 28,011 | 1,216 | 6,371 | 138 | 35,460 | 38.7 |
| 1994[r] | 95,717 | 30,670 | 1,300 | 7,974 | 253 | 39,691 | 41.5 |
| 1995[r] | 95,971 | 31,389 | 1,390 | 9,908 | 498 | 42,189 | 44.0 |
| 1996[r] | 94,529 | 33,979 | 1,487 | 8,084 | 474 | 43,077 | 45.6 |
| 1997[r] | 99,556 | 35,209 | 1,590 | 7,882 | 693 | 43,989 | 44.2 |
| 1998[r] | 101,183 | 35,771 | 1,700 | 8,117 | 511 | 45,077 | 44.6 |
| 1999[r] | 105,316 | 36,727 | 2,000 | 8,517 | 426 | 46,818 | 44.5 |
| 2000 | 102,811 | 35,447 | 2,200 | 10,272 | 608 | 47,311 | 46.0 |
| 2001 | 97,394 | 34,527 | 2,200 | 10,597 | 328 | 46,996 | 48.3 |
| 2002 | 98,976 | 34,579 | 2,200 | 11,267 | 411 | 47,635 | 48.1 |

[a]Includes paper, paperboard, wet machine board and construction paper and board.

[b]American Forest and Paper Association (7).

[c]Data may not add to totals because of rounding.

[d]Production plus imports less exports. Includes imports and exports of products.

[e]Total recovered paper = total recyclable paper consumption plus exports less imports.

[f]Recovery rate is the ratio of total recovered paper collected to new supply of paper and paperboard.

[r]Revised.

[z]Not available.

**Table 48—Recovered paper consumption, by major grade, in paper and paperboard manufacture,[a] 1970–2002 (thousand short tons)[b]**

| | Recovered paper consumption | | | | | | Total |
|---|---|---|---|---|---|---|---|
| Year | Mixed grades | Old newspapers | Old corrugated | Pulp substitutes[c] | High grade deinking | Total all grades | recovery rate (%)[d,r] |
| 1970 | 2,639.0 | 2,235.0 | 4,080.0 | 3,067.0 | [z] | 12,021.0 | 22.4 |
| 1971 | 2,776.0 | 2,174.0 | 4,277.0 | 3,096.0 | [z] | 12,323.0 | 22.4 |
| 1972 | 3,054.0 | 2,317.0 | 4,722.0 | 3,039.0 | [z] | 13,132.0 | 22.1 |
| 1973 | 3,371.0 | 2,456.0 | 5,292.0 | 3,199.0 | [z] | 14,318.0 | 23.4 |
| 1974 | 3,118.0 | 2,408.0 | 5,716.0 | 2,954.0 | [z] | 14,196.0 | 24.8 |
| 1975 | 2,606.0 | 2,040.0 | 4,743.0 | 2,594.0 | [z] | 11,983.0 | 24.2 |
| 1976 | 2,798.0 | 2,278.0 | 5,696.0 | 2,117.0 | 933.0 | 13,822.0 | 24.9 |
| 1977 | 2,773.0 | 2,287.0 | 6,205.0 | 2,079.0 | 944.0 | 14,288.0 | 25.4 |
| 1978 | 2,729.0 | 2,212.0 | 6,721.0 | 2,242.0 | 1,068.0 | 14,972.0 | 24.8 |
| 1979 | 2,648.0 | 2,480.0 | 6,967.0 | 2,308.0 | 1,117.0 | 15,520.0 | 25.7 |
| 1980 | 2,268.0 | 2,564.0 | 6,866.0 | 2,254.0 | 1,142.0 | 15,094.0 | 26.7 |
| 1981 | 2,233.0 | 2,552.0 | 6,910.0 | 2,307.0 | 1,215.0 | 15,217.0 | 26.1 |
| 1982 | 1,707.0 | 2,673.0 | 6,770.0 | 2,247.0 | 1,223.0 | 14,620.0 | 26.4 |
| 1983 | 1,908.0 | 2,692.0 | 7,443.0 | 2,456.0 | 1,323.0 | 15,822.0 | 26.3 |
| 1984 | 1,974.5 | 2,894.8 | 7,971.7 | 2,673.4 | 1,368.6 | 16,883.0 | 26.7 |
| 1985 | 1,901.5 | 2,875.0 | 7,899.5 | 2,493.7 | 1,380.4 | 16,550.1 | 26.8 |
| 1986 | 2,044.5 | 3,117.8 | 8,633.6 | 2,761.5 | 1,570.3 | 18,127.7 | 28.2 |
| 1987 | 2,116.0 | 3,142.6 | 9,176.7 | 2,902.2 | 1,563.5 | 18,901.0 | 28.8 |
| 1988 | 2,182.2 | 3,215.6 | 9,909.1 | 2,889.5 | 1,691.1 | 19,887.5 | 30.5 |
| 1989 | 2,355.8 | 3,638.1 | 9,993.5 | 2,642.4 | 1,812.4 | 20,442.2 | 31.7 |
| 1990 | 2,504.9 | 4,084.5 | 10,686.5 | 2,731.8 | 1,999.8 | 22,007.5 | 33.5 |
| 1991 | 2,890.6 | 4,572.4 | 11,247.0 | 2,988.5 | 2,239.5 | 23,938.0 | 36.6 |
| 1992 | 3,463.8 | 4,816.9 | 12,532.3 | 2,997.7 | 2,669.1 | 26,479.8 | 38.4 |
| 1993 | 4,110.1 | 5,000.3 | 13,566.8 | 2,802.1 | 2,856.8 | 28,336.1 | 38.7 |
| 1994 | 4,786.0 | 5,368.0 | 15,009.6 | 2,696.0 | 3,090.0 | 30,949.6 | 41.5 |
| 1995 | 4,529.4 | 5,157.3 | 16,513.5 | 2,459.1 | 3,004.0 | 31,663.3 | 44.0 |
| 1996 | 4,801.7 | 5,238.4 | 18,733.3 | 2,428.8 | 3,039.9 | 34,242.1 | 45.6 |
| 1997 | 4,698.6 | 5,561.5 | 19,640.8 | 2,640.3 | 2,954.6 | 35,495.8 | 44.2 |
| 1998 | 5,440.8 | 5,611.3 | 19,530.1 | 2,341.8 | 3,147.8 | 36,071.8 | 44.6 |
| 1999[r] | 5,592.1 | 5,539.9 | 20,457.8 | 2,431.7 | 3,003.2 | 37,024.7 | 44.5 |
| 2000 | 4,948.0 | 5,809.0 | 19,968.0 | 1,890.0 | 3,129.0 | 35,744.0 | 46.0 |
| 2001 | 4,800.0 | 6,077.0 | 19,348.0 | 1,845.0 | 2,750.0 | 34,820.0 | 48.3 |
| 2002 | 4,877.0 | 5,957.0 | 19,627.0 | 1,705.0 | 2,695.0 | 34,861.0 | 48.1 |

[a]Includes paper, paperboard, construction grades and molded pulp grades.

[b]American Forest and Paper Association (7).

[c]For years 1972-1975, high grade deinking is included with pulp substitutes.

[d]Recovery rate is the ratio of total recovered paper collected to new supply of paper and paperboard.

[r]Revised (1985-1999 Total recovery on Table 47).

[z]Not available separately; included with pulp substitutes.

**Table 49—Wood pulp production, imports, exports, and consumption, 1965–2002[a]**

| Year | Production[b,c] | Imports[c] | | Exports[c] | | Consumption[d] | |
|---|---|---|---|---|---|---|---|
| | | | | | | Total | Per capita[c] |
| | *Thousand tons* | *Thousand tons* | *Percent of consumption* | *Thousand tons* | *Percent of production* | *Thousand tons* | *Pounds* |
| 1965 | 33,993 | 3,137 | 8.8 | 1,402 | 4.1 | 35,728 | 368 |
| 1966 | 36,603 | 3,358 | 8.7 | 1,547 | 4.2 | 38,414 | 391 |
| 1967 | 36,677 | 3,166 | 8.3 | 1,721 | 4.7 | 38,122 | 384 |
| 1968 | 40,892 | 3,532 | 8.3 | 1,916 | 4.7 | 42,508 | 424 |
| 1969 | 42,813 | 4,040 | 9.0 | 2,103 | 4.9 | 44,750 | 442 |
| 1970 | 43,546 | 3,513 | 8.0 | 3,095 | 7.1 | 43,964 | 429 |
| 1971 | 43,903 | 3,515 | 7.8 | 2,175 | 5.0 | 45,243 | 436 |
| 1972 | 46,767 | 3,728 | 7.7 | 2,253 | 4.8 | 48,242 | 460 |
| 1973 | 48,327 | 3,993 | 8.0 | 2,344 | 4.9 | 49,976 | 472 |
| 1974 | 48,349 | 4,123 | 8.3 | 2,802 | 5.8 | 49,670 | 464 |
| 1975 | 43,084 | 3,078 | 7.1 | 2,565 | 6.0 | 43,597 | 404 |
| 1976 | 47,721 | 3,727 | 7.6 | 2,518 | 5.3 | 48,930 | 449 |
| 1977 | 49,132 | 3,864 | 7.7 | 2,640 | 5.4 | 50,356 | 457 |
| 1978 | 50,020 | 4,024 | 7.8 | 2,599 | 5.2 | 51,445 | 462 |
| 1979 | 51,177 | 4,318 | 8.2 | 2,935 | 5.7 | 52,560 | 467 |
| 1980 | 52,958 | 4,051 | 7.6 | 3,806 | 7.2 | 53,203 | 467 |
| 1981 | 52,790 | 4,087 | 7.7 | 3,678 | 7.0 | 53,199 | 463 |
| 1982 | 51,468 | 3,656 | 7.1 | 3,395 | 6.6 | 51,729 | 446 |
| 1983 | 54,055 | 4,093 | 7.5 | 3,644 | 6.7 | 54,504 | 465 |
| 1984 | 57,747 | 4,490 | 7.7 | 3,594 | 6.2 | 58,643 | 496 |
| 1985 | 54,145 | 4,466 | 8.1 | 3,795 | 7.0 | 54,816 | 460 |
| 1986 | 56,997 | 4,582 | 8.0 | 4,458 | 7.8 | 57,121 | 475 |
| 1987 | 59,547 | 4,850 | 8.2 | 4,889 | 8.2 | 59,508 | 490 |
| 1988 | 61,158 | 5,038 | 8.3 | 5,528 | 9.0 | 60,668 | 495 |
| 1989 | 61,996 | 5,004 | 8.2 | 5,766 | 9.3 | 61,234 | 495 |
| 1990 | 63,048 | 4,893 | 7.9 | 5,905 | 9.4 | 62,036 | 496 |
| 1991 | 63,635 | 4,997 | 8.0 | 6,338 | 10.0 | 62,294 | 493 |
| 1992 | 65,338 | 5,029 | 8.0 | 7,222 | 11.1 | 63,145 | 494 |
| 1993 | 64,313 | 5,413 | 8.6 | 6,499 | 10.1 | 63,227 | 490 |
| 1994 | 65,920 | 5,650 | 8.7 | 6,728 | 10.2 | 64,842 | 497 |
| 1995 | 67,103 | 5,969 | 9.2 | 8,261 | 12.3 | 64,811 | 493 |
| 1996 | 65,503 | 5,692 | 8.9 | 7,170 | 10.9 | 64,025 | 482 |
| 1997 | 66,650 | 6,398 | 9.7 | 6,990 | 10.5 | 66,057 | 493 |
| 1998 | 65,163 | 5,984 | 9.2 | 6,025 | 9.2 | 65,122 | 482 |
| 1999[r] | 62,914 | 6,660 | 10.5 | 5,936 | 9.4 | 63,638 | 466 |
| 2000 | 62,758 | 7,227 | 11.4 | 6,409 | 10.2 | 63,576 | 451 |
| 2001 | 58,198 | 7,348 | 12.4 | 6,167 | 10.6 | 59,380 | 417 |
| 2002 | 58,069 | 7,247 | 12.3 | 6,254 | 10.8 | 59,063 | 411 |

[a]Includes dissolving and special alpha pulps, excludes defibrated/exploded pulps and screenings.

[b]U.S. Department of Commerce, Bureau of the Census (64,68,69); United Nations, Food and Agriculture Organization (38); American Forest and Paper Association (2,4).

[c]Based on U.S. population data given in Table 1.

[d]Consumption = Production + Imports – Exports.

[r]Revised.

**Table 50—Pulpwood consumed in the manufacture of wood pulp, 1965–2002**[a]

| Year | Pulpwood consumption[b] | | Wood pulp production |
|---|---|---|---|
| | Total | Per ton of pulp produced | |
| | *Thousand cords* | *Cords* | *Thousand tons* |
| 1965 | 54,034 | 1.59 | 33,993 |
| 1966 | 57,399 | 1.57 | 36,603 |
| 1967 | 58,419 | 1.59 | 36,677 |
| 1968 | 60,969 | 1.49 | 40,892 |
| 1969 | 64,577 | 1.51 | 42,813 |
| 1970 | 66,732 | 1.53 | 43,546 |
| 1971 | 66,601 | 1.52 | 43,903 |
| 1972 | 68,068 | 1.46 | 46,767 |
| 1973 | 71,421 | 1.48 | 48,327 |
| 1974 | 75,787 | 1.57 | 48,349 |
| 1975 | 63,941 | 1.48 | 43,084 |
| 1976 | 71,094 | 1.49 | 47,721 |
| 1977 | 72,952 | 1.48 | 49,132 |
| 1978 | 75,073 | 1.50 | 50,020 |
| 1979 | 78,680 | 1.54 | 51,177 |
| 1980 | 81,921 | 1.55 | 52,958 |
| 1981 | 81,003 | 1.53 | 52,790 |
| 1982 | 76,912 | 1.49 | 51,468 |
| 1983 | 84,504 | 1.56 | 54,055 |
| 1984 | 86,282 | 1.49 | 57,747 |
| 1985 | 85,380 | 1.58 | 54,145 |
| 1986 | 91,187 | 1.60 | 56,997 |
| 1987 | 93,005 | 1.56 | 59,547 |
| 1988 | 93,000 | 1.52 | 61,158 |
| 1989 | 92,615 | 1.49 | 61,996 |
| 1990 | 92,561 | 1.47 | 63,048 |
| 1991 | 91,925 | 1.44 | 63,635 |
| 1992 | 93,642 | 1.43 | 65,338 |
| 1993 | 90,996 | 1.41 | 64,313 |
| 1994 | 93,259 | 1.41 | 65,920 |
| 1995 | 93,013 | 1.39 | 67,103 |
| 1996 | 88,246 | 1.35 | 65,503 |
| 1997 | 92,312 | 1.39 | 66,650 |
| 1998 | 90,591 | 1.39 | 65,163 |
| 1999 | 86,969 | 1.38 | 62,914 |
| 2000 | 87,453 | 1.39 | 62,758 |
| 2001 | 83,384 | 1.43 | 58,198 |
| 2002 | 82,715 | 1.42 | 58,069 |

[a]U.S. Department of Commerce, Bureau of the Census (65); American Forest and Paper Association (3,5,6); American Pulpwood Association (14). Data may not add to totals because of rounding.

[b]Includes changes in inventories.

**Table 51—Producer price indexes for paper, board, and wood pulp, 1965–2002 (1997 = 100)[a]**

| Year | Pulp, paper, and allied products | | Paper | | Paperboard | | Building paper and board | | Wood pulp | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Actual | Relative[b] | Actual | Relative | Actual | Relative | Actual | Relative | Actual | Relative |
| 1965 | 19.8 | 78.1 | 22.9 | 90.4 | 27.5 | 108.3 | 32.3 | 127.4 | 20.5 | 80.9 |
| 1966 | 20.4 | 78.2 | 23.7 | 90.8 | 27.7 | 106.0 | 32.3 | 123.8 | 20.5 | 78.6 |
| 1967 | 20.6 | 78.6 | 24.3 | 92.8 | 27.1 | 103.5 | 32.1 | 122.4 | 20.5 | 78.3 |
| 1968 | 20.9 | 77.7 | 24.7 | 92.2 | 26.0 | 96.9 | 32.3 | 120.5 | 20.5 | 76.5 |
| 1969 | 21.5 | 76.8 | 25.6 | 91.6 | 26.9 | 96.4 | 33.9 | 121.3 | 20.5 | 73.4 |
| 1970 | 22.3 | 77.1 | 27.0 | 93.1 | 27.4 | 94.6 | 32.4 | 112.0 | 22.5 | 77.6 |
| 1971 | 22.7 | 75.9 | 27.7 | 92.9 | 27.8 | 92.9 | 33.0 | 110.4 | 23.0 | 77.1 |
| 1972 | 23.5 | 75.0 | 28.3 | 90.4 | 28.6 | 91.5 | 34.1 | 109.0 | 22.9 | 73.1 |
| 1973 | 25.2 | 71.3 | 29.5 | 83.4 | 31.2 | 88.4 | 36.2 | 102.5 | 26.3 | 74.5 |
| 1974 | 31.3 | 74.7 | 36.1 | 86.2 | 41.2 | 98.4 | 39.6 | 94.4 | 44.8 | 106.8 |
| 1975 | 35.1 | 76.7 | 42.0 | 91.8 | 46.1 | 100.8 | 40.8 | 89.1 | 58.2 | 127.2 |
| 1976 | 37.0 | 77.3 | 44.3 | 92.4 | 47.7 | 99.7 | 44.5 | 92.8 | 58.8 | 122.7 |
| 1977 | 38.5 | 75.6 | 47.2 | 92.6 | 47.7 | 93.7 | 50.3 | 98.8 | 57.7 | 113.4 |
| 1978 | 40.3 | 73.6 | 50.1 | 91.4 | 48.7 | 89.0 | 60.1 | 109.6 | 54.8 | 99.9 |
| 1979 | 45.3 | 73.3 | 55.8 | 90.4 | 54.8 | 88.7 | 58.5 | 94.7 | 64.6 | 104.5 |
| 1980 | 51.4 | 73.0 | 62.4 | 88.6 | 63.6 | 90.3 | 66.1 | 93.9 | 78.1 | 110.9 |
| 1981 | 56.5 | 73.5 | 68.0 | 88.5 | 69.9 | 91.0 | 74.3 | 96.7 | 81.6 | 106.2 |
| 1982 | 59.6 | 76.0 | 69.5 | 88.7 | 69.1 | 88.1 | 76.8 | 97.9 | 77.9 | 99.3 |
| 1983 | 61.5 | 77.5 | 68.5 | 86.2 | 68.0 | 85.6 | 80.2 | 101.0 | 71.3 | 89.7 |
| 1984 | 65.8 | 80.8 | 73.6 | 90.4 | 76.2 | 93.7 | 83.1 | 102.2 | 81.6 | 100.3 |
| 1985 | 67.5 | 83.3 | 73.7 | 91.0 | 74.4 | 91.8 | 82.5 | 101.8 | 71.2 | 87.9 |
| 1986 | 69.2 | 88.1 | 74.4 | 94.7 | 73.6 | 93.7 | 83.6 | 106.3 | 73.7 | 93.8 |
| 1987 | 72.6 | 90.1 | 77.6 | 96.2 | 81.6 | 101.2 | 85.4 | 106.0 | 86.8 | 107.7 |
| 1988 | 77.7 | 92.7 | 85.7 | 102.2 | 92.0 | 109.8 | 87.0 | 103.8 | 106.4 | 127.0 |
| 1989 | 82.1 | 93.3 | 90.2 | 102.5 | 96.8 | 110.0 | 88.8 | 101.0 | 122.6 | 139.3 |
| 1990 | 84.1 | 92.2 | 89.6 | 98.2 | 93.8 | 102.8 | 86.2 | 94.5 | 117.8 | 129.2 |
| 1991 | 85.1 | 93.2 | 88.3 | 96.6 | 90.0 | 98.5 | 85.9 | 94.0 | 92.8 | 101.6 |
| 1992 | 86.5 | 94.1 | 85.6 | 93.1 | 92.9 | 101.0 | 91.9 | 99.9 | 93.3 | 101.5 |
| 1993 | 87.7 | 94.0 | 86.1 | 92.3 | 89.8 | 96.2 | 102.0 | 109.3 | 81.2 | 87.0 |
| 1994 | 90.9 | 96.2 | 87.5 | 92.7 | 96.8 | 102.6 | 110.8 | 117.3 | 90.7 | 96.0 |
| 1995 | 102.6 | 104.9 | 110.6 | 113.1 | 126.5 | 129.3 | 111.3 | 113.8 | 142.6 | 145.8 |
| 1996 | 100.6 | 100.4 | 104.0 | 103.7 | 107.8 | 107.6 | 105.3 | 105.1 | 104.2 | 104.0 |
| 1997 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1998 | 101.8 | 100.3 | 101.6 | 100.1 | 104.9 | 103.3 | 101.9 | 100.4 | 95.5 | 94.1 |
| 1999 | 103.8 | 93.9 | 98.6 | 89.2 | 105.8 | 95.8 | 108.7 | 98.4 | 93.2 | 84.4 |
| 2000 | 109.5 | 89.8 | 104.2 | 85.4 | 122.1 | 100.1 | 106.6 | 87.4 | 113.1 | 92.7 |
| 2001 | 110.2 | 89.3 | 104.8 | 84.9 | 118.9 | 96.4 | 99.3 | 80.5 | 98.0 | 79.4 |
| 2002 | 110.9 | 92.0 | 100.8 | 83.6 | 113.7 | 94.3 | 94.6 | 78.5 | 90.6 | 75.1 |

[a]U.S. Department of Labor, Bureau of Labor Statistics (75).

[b]Derived by dividing the actual price index by the all commodities price index.

**Table 52—Producer price indexes for wastepaper, by grade, 1965–2002 (1997 = 100)[a]**

| Year | Wastepaper | | Newspaper | | Mixed papers | | Corrugated | | High grades[b] | | Exports (all grades) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Actual | Relative[c] | Actual | Relative | Actual | Relative | Actual | Relative | Actual | Relative | Actual | Relative |
| 1965 | 63.5 | 250.2 | z | z | z | z | z | z | z | z | z | z |
| 1966 | 67.0 | 256.8 | z | z | z | z | z | z | z | z | z | z |
| 1967 | 49.9 | 190.4 | 126.6 | 483.1 | 67.7 | 258.5 | 42.5 | 162.1 | z | z | z | z |
| 1968 | 64.8 | 241.5 | 173.6 | 646.8 | 103.3 | 384.8 | 54.6 | 203.5 | z | z | z | z |
| 1969 | 69.1 | 247.4 | 155.7 | 557.0 | 114.0 | 407.8 | 59.7 | 213.5 | z | z | z | z |
| 1970 | 62.4 | 215.4 | 136.8 | 472.5 | 88.2 | 304.5 | 57.6 | 198.9 | z | z | z | z |
| 1971 | 55.9 | 187.0 | 130.6 | 437.1 | 83.1 | 278.0 | 47.4 | 158.8 | z | z | z | z |
| 1972 | 66.6 | 213.1 | 151.0 | 483.0 | 105.1 | 336.3 | 55.9 | 178.8 | z | z | z | z |
| 1973 | 98.4 | 278.7 | 173.7 | 492.1 | 156.2 | 442.6 | 95.0 | 269.0 | z | z | z | z |
| 1974 | 132.5 | 316.0 | 255.3 | 609.0 | 224.0 | 534.3 | 106.9 | 255.1 | z | z | z | z |
| 1975 | 54.9 | 120.0 | 141.5 | 309.1 | 70.1 | 153.1 | 38.2 | 83.5 | z | z | z | z |
| 1976 | 92.1 | 192.4 | 252.7 | 527.5 | 105.9 | 221.0 | 83.2 | 173.6 | z | z | z | z |
| 1977 | 93.4 | 183.4 | 265.3 | 520.9 | 118.0 | 231.7 | 79.2 | 155.6 | z | z | z | z |
| 1978 | 95.4 | 174.0 | 253.8 | 463.2 | 151.7 | 276.8 | 85.9 | 156.8 | z | z | z | z |
| 1979 | 103.0 | 166.8 | 192.2 | 311.1 | 138.3 | 223.9 | 118.4 | 191.6 | z | z | z | z |
| 1980 | 104.1 | 147.8 | 212.0 | 301.1 | 150.1 | 213.1 | 81.6 | 115.9 | z | z | z | z |
| 1981 | 87.7 | 114.1 | z | z | z | z | z | z | z | z | z | z |
| 1982 | 60.4 | 77.1 | 91.3 | 116.4 | 51.3 | 65.5 | 40.2 | 51.2 | z | z | z | z |
| 1983 | z | z | z | z | z | z | z | z | z | z | z | z |
| 1984 | 119.8 | 147.2 | 244.4 | 300.5 | 165.7 | 203.7 | 127.7 | 157.0 | z | z | z | z |
| 1985 | 74.3 | 91.7 | 189.9 | 234.4 | 140.9 | 174.0 | 62.3 | 76.9 | z | z | z | z |
| 1986 | 86.1 | 109.6 | 174.6 | 222.2 | 123.5 | 157.2 | 95.6 | 121.7 | z | z | z | z |
| 1987 | 109.6 | 135.9 | 222.7 | 276.2 | 146.5 | 181.8 | 125.9 | 156.2 | 112.1 | 139.1 | 112.4 | 139.4 |
| 1988 | 110.9 | 132.3 | 219.0 | 261.2 | 161.6 | 192.7 | 100.7 | 120.1 | 134.8 | 160.8 | 115.1 | 137.3 |
| 1989 | 94.9 | 107.9 | 113.5 | 129.1 | 110.4 | 125.5 | 72.5 | 82.4 | 139.3 | 158.3 | 101.7 | 115.6 |
| 1990 | 83.9 | 92.0 | 95.1 | 104.3 | 83.2 | 91.2 | 66.5 | 72.9 | 122.6 | 134.5 | 90.4 | 99.1 |
| 1991 | 73.4 | 80.3 | 93.1 | 101.9 | 61.3 | 67.1 | 66.3 | 72.6 | 99.0 | 108.3 | 80.6 | 88.2 |
| 1992 | 70.2 | 76.3 | 83.6 | 90.9 | 51.3 | 55.8 | 58.6 | 63.8 | 101.7 | 110.6 | 79.8 | 86.9 |
| 1993 | 70.9 | 76.0 | 92.1 | 98.7 | 86.4 | 92.6 | 57.2 | 61.3 | 97.6 | 104.6 | 74.4 | 79.8 |
| 1994 | 126.8 | 134.3 | 185.9 | 196.9 | 202.8 | 214.8 | 129.6 | 137.2 | 114.1 | 120.9 | 111.0 | 117.6 |
| 1995 | 224.2 | 229.2 | 388.9 | 397.6 | 496.9 | 508.0 | 206.9 | 211.6 | 164.2 | 167.9 | 199.3 | 203.7 |
| 1996 | 84.5 | 84.4 | 100.3 | 100.1 | 106.5 | 106.3 | 85.5 | 85.3 | 83.5 | 83.4 | 80.6 | 80.5 |
| 1997 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1998 | 88.1 | 86.8 | 110.1 | 108.5 | 164.6 | 162.2 | 72.5 | 71.4 | 94.1 | 92.7 | 76.2 | 75.1 |
| 1999 | 110.9 | 100.4 | 151.5 | 137.1 | 381.5 | 345.2 | 81.9 | 74.1 | 102.3 | 92.6 | 104.0 | 94.1 |
| 2000 | 170.7 | 139.9 | 227.5 | 186.5 | 790.6 | 648.1 | 98.2 | 80.5 | 165.1 | 135.4 | 140.5 | 115.2 |
| 2001 | 89.8 | 72.8 | 140.8 | 114.2 | 195.7 | 158.6 | 53.4 | 43.3 | 103.5 | 83.9 | 78.8 | 63.9 |
| 2002 | 104.5 | 86.7 | 172.2 | 142.9 | 396.6 | 329.1 | 79.0 | 65.5 | 106.2 | 88.1 | 106.6 | 88.4 |

[a]U.S. Department of Labor, Bureau of Labor Statistics (75).

[b]Pulp substitutes and deinking; December 1986 = 100.

[c]Derived by dividing the actual price index by the all commodities price index.

[z]Not available.

**Table 53—Particleboard and medium-density fiberboard production, imports, exports, and consumption, 1965–2002 (3/4-in. basis)[a]**

| Year | Production | | | Imports[b] | Exports | Consumption | |
|---|---|---|---|---|---|---|---|
| | Total | Particleboard | Medium-density fiberboard | | | Total | Per capita |
| | *Million square feet* | *Million square feet* | *Million square feet* | *Million square feet* | *Million square feet* | *Million square feet* | *Square feet* |
| 1965 | 828 | 753 | 75 | 4 | [c] | 832 | 4 |
| 1966 | 1,031 | 948 | 83 | 1 | [c] | 1,032 | 5 |
| 1967 | 1,167 | 1,074 | 93 | 1 | 2 | 1,166 | 6 |
| 1968 | 1,494 | 1,391 | 103 | 1 | 6 | 1,489 | 7 |
| 1969 | 1,796 | 1,682 | 114 | 12 | 14 | 1,794 | 9 |
| 1970 | 1,858 | 1,731 | 127 | 3 | 10 | 1,851 | 9 |
| 1971 | 2,500 | 2,359 | 141 | 8 | 20 | 2,488 | 12 |
| 1972 | 3,236 | 3,079 | 157 | 14 | 45 | 3,205 | 15 |
| 1973 | 3,634 | 3,460 | 174 | 17 | 77 | 3,574 | 17 |
| 1974 | 3,269 | 3,075 | 194 | 7 | 113 | 3,163 | 15 |
| 1975 | 2,718 | 2,503 | 215 | 16 | 84 | 2,650 | 12 |
| 1976 | 3,469 | 3,189 | 280 | 60 | 80 | 3,449 | 16 |
| 1977 | 4,010 | 3,569 | 441 | 158 | 63 | 4,105 | 19 |
| 1978 | 4,228 | 3,720 | 508 | 193 | 61 | 4,360 | 20 |
| 1979 | 3,883 | 3,376 | 507 | 221 | 84 | 4,020 | 18 |
| 1980 | 3,443 | 2,950 | 493 | 264 | 106 | 3,601 | 16 |
| 1981 | 3,385 | 2,869 | 516 | 254 | 117 | 3,522 | 15 |
| 1982 | 2,839 | 2,393 | 446 | 766 | 41 | 3,564 | 15 |
| 1983 | 3,613 | 3,009 | 604 | 994 | 47 | 4,560 | 19 |
| 1984 | 3,830 | 3,196 | 634 | 1,331 | 54 | 5,107 | 22 |
| 1985 | 4,016 | 3,331 | 685 | 1,335 | 59 | 5,292 | 22 |
| 1986 | 4,384 | 3,603 | 781 | 1,395 | 86 | 5,693 | 24 |
| 1987 | 4,605 | 3,706 | 899 | 1,550 | 113 | 6,042 | 25 |
| 1988 | 4,768 | 3,829 | 939 | 1,634 | 163 | 6,239 | 25 |
| 1989 | 4,828 | 3,858 | 970 | 425 | 333 | 4,920 | 20 |
| 1990 | 4,756 | 3,806 | 950 | 363 | 373 | 4,746 | 19 |
| 1991 | 4,730 | 3,772 | 958 | 293 | 369 | 4,654 | 18 |
| 1992 | 5,046 | 3,980 | 1,066 | 405 | 394 | 5,057 | 20 |
| 1993 | 5,402 | 4,241 | 1,161 | 572 | 318 | 5,656 | 22 |
| 1994 | 5,793 | 4,542 | 1,251 | 775 | 297 | 6,271 | 24 |
| 1995 | 5,307 | 4,200 | 1,107 | 840 | 319 | 5,828 | 22 |
| 1996 | 5,705 | 4,459 | 1,246 | 814 | 154 | 6,365 | 24 |
| 1997 | 5,916 | 4,531 | 1,385 | 963 | 188 | 6,691 | 25 |
| 1998 | 5,994 | 4,593 | 1,401 | 2,461 | 135 | 8,320 | 31 |
| 1999[r] | 6,229 | 4,816 | 1,413 | 2,526 | 135 | 8,619 | 32 |
| 2000 | 6,292 | 4,804 | 1,488 | 2,968 | 162 | 9,098 | 32 |
| 2001 | 5,480 | 4,096 | 1,384 | 3,743 | 192 | 9,030 | 32 |
| 2002 | 6,035 | 4,414 | 1,621 | 4,104 | 212 | 9,927 | 35 |

[a]Composite Panel Association (16); U.S. International Trade Commission (81); U.S. Department of Agriculture (41).Data may not add to totals because of rounding.

[b]May contain significant volumes of waferboard and oriented strandboard products prior to 1989.

[c]Fewer than 500,000 $ft^2$.

[r]Revised.

**Table 54—Insulating board[a] production, imports, exports, and consumption, 1965–2002 (1/2-in. basis)[b]**

| Year | Production | Imports[c] | Exports | Consumption | |
|---|---|---|---|---|---|
| | | | | Total | Per capita |
| | *Million square feet* | *Million square feet* | *Million square feet* | *Million square feet* | *Square feet* |
| 1965 | 3,362 | 75 | 42 | 3,395 | 17 |
| 1966 | 3,079 | 67 | 48 | 3,098 | 16 |
| 1967 | 3,209 | 69 | 45 | 3,233 | 16 |
| 1968 | 3,476 | 94 | 45 | 3,525 | 18 |
| 1969 | 3,623 | 98 | 65 | 3,656 | 18 |
| 1970 | 3,194 | 103 | 51 | 3,246 | 16 |
| 1971 | 3,839 | 115 | 65 | 3,889 | 19 |
| 1972 | 3,918 | 121 | 66 | 3,973 | 19 |
| 1973 | 3,914 | 140 | 79 | 3,975 | 19 |
| 1974 | 3,282 | 72 | 102 | 3,252 | 15 |
| 1975 | 2,960 | 36 | 77 | 2,919 | 14 |
| 1976 | 3,407 | 45 | 77 | 3,375 | 15 |
| 1977 | 3,462 | 107 | 84 | 3,485 | 16 |
| 1978 | 3,437 | 139 | 106 | 3,470 | 16 |
| 1979 | 3,310 | 138 | 49 | 3,399 | 15 |
| 1980 | 2,780 | 100 | 62 | 2,818 | 12 |
| 1981 | 2,124 | 104 | 110 | 2,118 | 9 |
| 1982 | 1,790 | 118 | 67 | 1,841 | 8 |
| 1983 | 2,277 | 204 | 83 | 2,398 | 10 |
| 1984 | 2,545 | 286 | 89 | 2,742 | 12 |
| 1985 | 2,461 | 343 | 80 | 2,724 | 11 |
| 1986 | 2,194 | 338 | 117 | 2,415 | 10 |
| 1987 | 2,242 | 273 | 127 | 2,388 | 10 |
| 1988 | 2,340 | 320 | 203 | 2,457 | 10 |
| 1989 | 2,455 | 346 | 180 | 2,621 | 11 |
| 1990 | 2,365 | 290 | 175 | 2,480 | 10 |
| 1991 | 2,323 | 200 | 191 | 2,332 | 9 |
| 1992 | 2,363 | 310 | 215 | 2,458 | 10 |
| 1993 | 2,358 | 285 | 208 | 2,435 | 9 |
| 1994 | 2,335 | 305 | 170 | 2,470 | 9 |
| 1995 | 2,335 | 305 | 170 | 2,470 | 9 |
| 1996 | 2,335 | 305 | 170 | 2,470 | 9 |
| 1997 | 2,335 | 305 | 170 | 2,470 | 9 |
| 1998 | 2,335 | 305 | 170 | 2,470 | 9 |
| 1999 | 2,335 | 305 | 170 | 2,470 | 9 |
| 2000 | 2,335 | 305 | 170 | 2,470 | 9 |
| 2001 | 2,335 | 305 | 170 | 2,470 | 9 |
| 2002 | 2,335 | 305 | 170 | 2,470 | 9 |

[a]Density equal to or less than 31 lb/ft$^3$.

[b]American Forest and Paper Association (3,5); U.S. Department of Commerce, Bureau of the Census (64,68,69); Data may not add to totals because of rounding.

[c]Includes other building board.

**Table 55—Insulating board[a] production, imports, exports, and consumption, 1965–2002[b]**

| Year | Production | Imports[c] | Exports | Consumption | |
|---|---|---|---|---|---|
| | | | | Total | Per capita |
| | *Thousand tons* | *Thousand tons* | *Thousand tons* | *Thousand tons* | *pounds* |
| 1965 | 1,234 | 28 | 15 | 1,246 | 6 |
| 1966 | 1,130 | 25 | 18 | 1,137 | 6 |
| 1967 | 1,178 | 25 | 17 | 1,187 | 6 |
| 1968 | 1,276 | 34 | 17 | 1,294 | 6 |
| 1969 | 1,330 | 36 | 24 | 1,342 | 7 |
| 1970 | 1,172 | 38 | 19 | 1,191 | 6 |
| 1971 | 1,409 | 42 | 24 | 1,427 | 7 |
| 1972 | 1,438 | 44 | 24 | 1,458 | 7 |
| 1973 | 1,436 | 51 | 29 | 1,459 | 7 |
| 1974 | 1,204 | 26 | 37 | 1,193 | 6 |
| 1975 | 1,086 | 13 | 28 | 1,071 | 5 |
| 1976 | 1,250 | 17 | 28 | 1,239 | 6 |
| 1977 | 1,271 | 39 | 31 | 1,279 | 6 |
| 1978 | 1,261 | 51 | 39 | 1,273 | 6 |
| 1979 | 1,215 | 51 | 18 | 1,247 | 6 |
| 1980 | 1,020 | 37 | 23 | 1,034 | 5 |
| 1981 | 780 | 38 | 40 | 777 | 3 |
| 1982 | 657 | 43 | 25 | 676 | 3 |
| 1983 | 836 | 75 | 30 | 880 | 4 |
| 1984 | 934 | 105 | 33 | 1,006 | 4 |
| 1985 | 903 | 126 | 29 | 1,000 | 4 |
| 1986 | 805 | 124 | 43 | 886 | 4 |
| 1987 | 823 | 100 | 47 | 876 | 4 |
| 1988 | 859 | 117 | 75 | 902 | 4 |
| 1989 | 901 | 127 | 66 | 962 | 4 |
| 1990 | 868 | 106 | 64 | 910 | 4 |
| 1991 | 853 | 73 | 70 | 856 | 3 |
| 1992 | 867 | 114 | 79 | 902 | 4 |
| 1993 | 865 | 105 | 76 | 894 | 3 |
| 1994 | 857 | 112 | 62 | 906 | 3 |
| 1995 | 857 | 112 | 62 | 906 | 3 |
| 1996 | 857 | 112 | 62 | 906 | 3 |
| 1997 | 857 | 112 | 62 | 906 | 3 |
| 1998 | 857 | 112 | 62 | 906 | 3 |
| 1999 | 857 | 112 | 62 | 906 | 3 |
| 2000 | 857 | 112 | 62 | 906 | 3 |
| 2001 | 857 | 112 | 62 | 906 | 3 |
| 2002 | 857 | 112 | 62 | 906 | 3 |

[a]Density equal to or less than 31 lb/ft$^3$.

[b]Product of table 54 using a conversion of .367.

[c]Includes other building board.

**Table 56—Hardboard[a] production, imports, exports, and consumption, 1965–2002 (1/8-in. basis)[b]**

| Year | Production[c] | Imports | Exports | Consumption | |
|---|---|---|---|---|---|
| | | | | Total | Per capita |
| | *Million square feet* | *Million square feet* | *Million square feet* | *Million square feet* | *Square feet* |
| 1965 | 2,921 | 574 | 22 | 3,473 | 18 |
| 1966 | 3,083 | 459 | 32 | 3,510 | 18 |
| 1967 | 3,038 | 455 | 30 | 3,463 | 17 |
| 1968 | 3,710 | 623 | 40 | 4,293 | 21 |
| 1969 | 4,247 | 694 | 48 | 4,893 | 24 |
| 1970 | 4,384 | 452 | 77 | 4,759 | 23 |
| 1971 | 5,225 | 631 | 83 | 5,773 | 28 |
| 1972 | 5,798 | 1,060 | 103 | 6,755 | 32 |
| 1973 | 6,050 | 1,047 | 131 | 6,966 | 33 |
| 1974 | 5,654 | 739 | 175 | 6,218 | 29 |
| 1975 | 5,681 | 264 | 158 | 5,787 | 27 |
| 1976 | 6,785 | 486 | 187 | 7,084 | 32 |
| 1977 | 7,714 | 625 | 174 | 8,165 | 37 |
| 1978 | 7,825 | 903 | 78 | 8,650 | 39 |
| 1979 | 7,688 | 831 | 101 | 8,418 | 37 |
| 1980 | 6,140 | 515 | 87 | 6,568 | 29 |
| 1981 | 6,105 | 568 | 171 | 6,502 | 28 |
| 1982 | 5,587 | 458 | 47 | 5,998 | 26 |
| 1983 | 7,303 | 717 | 60 | 7,960 | 34 |
| 1984 | 6,837 | 807 | 64 | 7,580 | 32 |
| 1985 | 6,300 | 782 | 192 | 6,890 | 29 |
| 1986 | 5,822 | 855 | 182 | 6,495 | 27 |
| 1987 | 5,458 | 832 | 269 | 6,021 | 25 |
| 1988 | 5,118 | 633 | 322 | 5,429 | 22 |
| 1989 | 5,196 | 718 | 427 | 5,487 | 22 |
| 1990 | 5,025 | 689 | 552 | 5,162 | 21 |
| 1991 | 4,895 | 571 | 606 | 4,860 | 19 |
| 1992 | 5,273 | 571 | 836 | 5,008 | 20 |
| 1993 | 5,248 | 639 | 917 | 4,970 | 19 |
| 1994 | 5,206 | 1,119 | 1,190 | 5,135 | 20 |
| 1995 | 4,930 | 1,152 | 1,377 | 4,705 | 18 |
| 1996 | 5,280 | 1,183 | 1,426 | 5,037 | 19 |
| 1997 | 4,501 | 1,306 | 1,259 | 4,548 | 17 |
| 1998 | 4,300 | 1,273 | 871 | 4,703 | 17 |
| 1999 | 4,386 | 1,782 | 916 | 5,253 | 19 |
| 2000 | 3,781 | 1,764 | 942 | 4,602 | 16 |
| 2001 | 3,322 | 2,299 | 788 | 4,833 | 17 |
| 2002 | 2,919 | 2,676 | 669 | 4,926 | 17 |

[a]Density greater than 31 lb/ft$^3$.

[b]U.S. Department of Commerce, Bureau of the Census (64,68,69); American Forest and Paper Association (3,4,5); U.S. International Trade Commission (81); American Hardboard Association (8); data may not add to totals because of rounding.

[c]Data for the years 1982 to present are for shipments.

**Table 57—Producer price indexes for hardboard and particleboard, 1965–2002 (1997 = 100)[a]**

| | Hardboard and particleboard[b] | | Hardboard | | Particleboard[c] | |
|---|---|---|---|---|---|---|
| Year | Actual | Relative[d] | Actual | Relative[d] | Actual | Relative[d] |
| 1965 | 38.1 | 150.2 | 36.6 | 144.1 | z | z |
| 1966 | 37.9 | 145.3 | 36.5 | 139.7 | z | z |
| 1967 | 36.6 | 139.8 | 35.8 | 136.7 | z | z |
| 1968 | 36.3 | 135.1 | 35.0 | 130.6 | z | z |
| 1969 | 37.7 | 134.7 | 35.8 | 128.1 | z | z |
| 1970 | 34.1 | 117.9 | 36.6 | 126.3 | z | z |
| 1971 | 34.2 | 114.6 | 36.1 | 121.0 | z | z |
| 1972 | 35.3 | 113.1 | 36.6 | 117.0 | z | z |
| 1973 | 38.7 | 109.6 | 37.6 | 106.4 | z | z |
| 1974 | 42.2 | 100.6 | 42.1 | 100.5 | z | z |
| 1975 | 41.6 | 90.9 | 42.0 | 91.8 | z | z |
| 1976 | 45.3 | 94.7 | 47.1 | 98.3 | z | z |
| 1977 | 51.6 | 101.4 | 51.2 | 100.5 | z | z |
| 1978 | 62.5 | 114.0 | 56.1 | 102.5 | z | z |
| 1979 | 60.7 | 98.3 | 58.9 | 95.4 | z | z |
| 1980 | 69.9 | 99.3 | 67.1 | 95.2 | z | z |
| 1981 | 77.9 | 101.4 | 78.0 | 101.5 | z | z |
| 1982 | 80.5 | 102.7 | 81.8 | 104.3 | z | z |
| 1983 | 83.9 | 105.7 | 82.1 | 103.4 | 74.6 | 93.9 |
| 1984 | 87.2 | 107.1 | 83.5 | 102.7 | 81.8 | 100.5 |
| 1985 | 85.4 | 105.4 | 84.3 | 104.1 | 77.4 | 95.5 |
| 1986 | 86.2 | 109.7 | 84.9 | 108.0 | 78.9 | 100.4 |
| 1987 | 88.1 | 109.3 | 83.2 | 103.2 | 84.9 | 105.3 |
| 1988 | 89.5 | 106.7 | 84.7 | 101.1 | 88.0 | 105.0 |
| 1989 | 90.3 | 102.6 | 84.8 | 96.4 | 90.2 | 102.5 |
| 1990 | 86.5 | 94.9 | 82.9 | 90.9 | 82.3 | 90.2 |
| 1991 | 85.7 | 93.8 | 81.3 | 88.9 | 82.1 | 89.9 |
| 1992 | 92.5 | 100.6 | 84.0 | 91.4 | 85.1 | 92.6 |
| 1993 | 103.1 | 110.5 | 89.5 | 95.9 | 97.7 | 104.7 |
| 1994 | 111.9 | 118.5 | 91.7 | 97.1 | 109.4 | 115.8 |
| 1995 | 112.3 | 114.8 | 95.1 | 97.3 | 109.3 | 111.7 |
| 1996 | 105.8 | 105.5 | 97.3 | 97.1 | 104.9 | 104.7 |
| 1997 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1998 | 102.3 | 100.8 | 97.9 | 96.5 | 97.6 | 96.2 |
| 1999 | 109.4 | 99.0 | 100.1 | 90.6 | 100.7 | 91.1 |
| 2000 | 106.8 | 87.6 | 101.8 | 83.5 | 104.0 | 85.3 |
| 2001 | 98.6 | 79.9 | 95.5 | 77.4 | 97.5 | 79.1 |
| 2002 | 98.6 | 81.8 | 93.8 | 77.8 | 94.8 | 78.6 |

[a]U.S. Department of Labor, Bureau of Labor Statistics (75).

[b]Hardboard, particleboard, and fiberboard products.

[c]Platen-type (mat formed)

[d]Derived by dividing the actual price index by the all commodities index.

[z]Not available.

**Table 58—Production of treated wood products by type of treatment, treatment plant, and product, 1984–2002 (thousands of board feet)[a]**

| | | Volume treated with | | | | Plants treating with[b] | | | |
|---|---|---|---|---|---|---|---|---|---|
| Year | Total | Creosote solutions | Oilborne[c] pressure | Waterborne pressure | Fire retardants | Creosote | Oilborne | Waterborne | Fire retardants |
| 1984 | 5,989,488 | 1,651,128 | 643,320 | 3,620,364 | 74,676 | 120 | 95 | 445 | 75 |
| 1985 | 6,231,780 | 1,542,852 | 630,420 | 3,944,124 | 114,384 | 123 | 97 | 449 | 77 |
| 1986 | 6,649,236 | 1,424,988 | 593,808 | 4,505,496 | 124,944 | 117 | 81 | 475 | 79 |
| 1987 | 6,911,796 | 1,173,888 | 582,684 | 5,027,808 | 127,416 | 109 | 71 | 479 | 81 |
| 1988 | 7,189,740 | 1,085,772 | 574,428 | 5,406,780 | 122,760 | 97 | 65 | 484 | 80 |
| 1989 | 6,683,316 | 1,078,440 | 592,632 | 4,883,292 | 128,952 | 90 | 60 | 473 | 71 |
| 1990 | 7,027,620 | 1,118,304 | 559,104 | 5,252,100 | 98,112 | 85 | 65 | 458 | 66 |
| 1991 | 6,781,128 | 1,051,320 | 521,880 | 5,092,440 | 115,488 | 83 | 63 | 445 | 60 |
| 1992 | 7,025,796 | 1,078,452 | 477,876 | 5,369,244 | 100,224 | 81 | 44 | 432 | 57 |
| 1993 | 7,270,452 | 1,105,584 | 433,860 | 5,646,048 | 84,960 | 76 | 49 | 404 | 48 |
| 1994 | 7,609,020 | 1,134,780 | 495,348 | 5,962,596 | 16,296 | 85 | 33 | 461 | 44 |
| 1995 | 6,946,488 | 1,101,012 | 393,168 | 5,407,152 | 45,156 | 71 | 28 | 384 | 39 |
| 1996 | 7,099,307 | 1,038,136 | 401,934 | 5,614,264 | 44,974 | 68 | 27 | 368 | 29 |
| 1997 | 8,772,963 | 1,168,768 | 468,270 | 6,977,434 | 158,491 | 70 | 46 | 381 | 35 |
| 1998 | 8,772,963 | 1,168,768 | 468,270 | 6,977,434 | 158,491 | 70 | 46 | 381 | 35 |
| 1999 | 8,772,963 | 1,168,768 | 468,270 | 6,977,434 | 158,491 | 70 | 46 | 381 | 35 |
| 2000 | 8,772,963 | 1,168,768 | 468,270 | 6,977,434 | 158,491 | 70 | 46 | 381 | 35 |
| 2001 | 8,772,963 | 1,168,768 | 468,270 | 6,977,434 | 158,491 | 70 | 46 | 381 | 35 |
| 2002 | 8,772,963 | 1,168,768 | 468,270 | 6,977,434 | 158,491 | 70 | 46 | 381 | 35 |

| | | Volume by product | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year | Total[d] | Lumber | Timbers | Poles | Pilings | Fence posts | Crossties | Switch and bridge ties | Plywood *(thousand sq.ft.)* | Other[e] |
| 1984 | 3,980,729 | 948,965 | 324,492 | 931,896 | 142,068 | 235,800 | 1,064,640 | 98,376 | 179,936 | 234,492 |
| 1985 | 4,032,820 | 1,025,956 | 350,496 | 921,972 | 126,348 | 149,232 | 1,030,728 | 97,608 | 267,072 | 330,480 |
| 1986 | 4,136,740 | 1,173,628 | 387,348 | 880,092 | 125,784 | 208,092 | 965,316 | 70,884 | 297,664 | 325,596 |
| 1987 | 4,118,679 | 1,290,567 | 542,376 | 903,288 | 97,440 | 135,024 | 715,128 | 111,672 | 408,064 | 323,184 |
| 1988 | 4,136,768 | 1,417,868 | 540,204 | 854,292 | 116,388 | 148,848 | 693,240 | 75,780 | 406,560 | 290,148 |
| 1989 | 4,054,037 | 1,207,913 | 527,412 | 887,700 | 116,136 | 172,524 | 696,264 | 75,612 | 422,048 | 370,476 |
| 1990 | 4,240,101 | 1,290,657 | 576,012 | 882,012 | 86,232 | 178,488 | 755,856 | 85,980 | 392,736 | 384,864 |
| 1991 | 4,129,285 | 1,220,053 | 630,372 | 860,808 | 81,240 | 166,020 | 731,664 | 74,760 | 415,936 | 364,368 |
| 1992 | 4,236,767 | 1,284,479 | 622,284 | 812,592 | 93,012 | 165,504 | 747,348 | 77,052 | 430,368 | 434,496 |
| 1993 | 4,344,226 | 1,348,906 | 614,196 | 764,376 | 104,772 | 164,988 | 763,032 | 79,332 | 444,800 | 504,624 |
| 1994 | 5,146,279 | 1,084,470 | 970,867 | 903,974 | 121,390 | 246,946 | 756,648 | 120,036 | 651,267 | 941,949 |
| 1995 | 4,698,187 | 990,043 | 886,332 | 825,264 | 110,820 | 225,444 | 690,768 | 109,584 | 594,560 | 859,932 |
| 1996 | 4,470,363 | 1,160,247 | 667,572 | 762,792 | 101,028 | 281,208 | 669,948 | 68,880 | 681,088 | 758,688 |
| 1997 | 5,287,364 | 1,543,748 | 1,032,313 | 774,235 | 108,062 | 181,375 | 911,537 | 72,042 | 772,963 | 664,053 |
| 1998 | 5,287,364 | 1,543,748 | 1,032,313 | 774,235 | 108,062 | 181,375 | 911,537 | 72,042 | 772,963 | 664,053 |
| 1999 | 5,287,364 | 1,543,748 | 1,032,313 | 774,235 | 108,062 | 181,375 | 911,537 | 72,042 | 772,963 | 664,053 |
| 2000 | 5,287,364 | 1,543,748 | 1,032,313 | 774,235 | 108,062 | 181,375 | 911,537 | 72,042 | 772,963 | 664,053 |
| 2001 | 5,287,364 | 1,543,748 | 1,032,313 | 774,235 | 108,062 | 181,375 | 911,537 | 72,042 | 772,963 | 664,053 |
| 2002 | 5,287,364 | 1,543,748 | 1,032,313 | 774,235 | 108,062 | 181,375 | 911,537 | 72,042 | 772,963 | 664,053 |

[a]Wood Preservers Institue (86); American Plywood Association, The Engineered Wood Association (10,12).

[b]1984 was estimated.

[c]Pentachlorophenol, copper napthenate, zinc napthenate, copper-8-quinolinolate, and TBTO (mostly pentachlorophenol).

[d]Excludes plywood.

[e]Crossarms, landscape timbers, highway posts and guardrails, mine ties and timbers, crossing planks, and other misc. products not listed above.

Lumber taken from U.S. Department of Agriculture, Forest Service (51), table 11 Hardwood Recovery Factor.

Plywood taken from U.S. Department of Agriculture, Forest Service (51), Hardwood Plywood Lumber Conversion table B-7.

All Other taken from U.S. Department of Agriculture, Forest Service (51), table B-10.

**Table 59—Forest chemical products production in gallons and short tons, 1965–2002[a]**

| Year | Tall oil fatty acids | | | Turpentine[b] | | | | Rosin[c] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Total | Over 2% rosin | Under 2% rosin | Total | Sulphate turpentine[d] | Gum turpentine | Steam distilled | Total | Tall oil rosin | Gum rosin | Steam distilled rosin |
| | *1000 short tons* | *1000 short tons* | *1000 short tons* | *1000 U.S. gallons* | *1000 U.S. gallons* | *1000 U.S. gallons* | *1000 U.S. gallons* | *1000 short tons* | *1000 short tons* | *1000 short tons* | *1000 short tons* |
| 1965 | 164.0 | z | z | 35,033 | 21,033 | 5,569 | 8,432 | 591.2 | 179.2 | 103.3 | 308.8 |
| 1966 | 185.5 | z | z | 33,275 | 21,338 | 4,211 | 7,727 | 559.9 | 200.0 | 78.1 | 281.9 |
| 1967 | 183.2 | z | z | 31,397 | 20,987 | 3,387 | 7,024 | 534.5 | 194.6 | 63.9 | 275.9 |
| 1968 | 186.3 | z | z | 32,609 | 23,658 | 2,521 | 6,430 | 527.8 | 204.3 | 48.9 | 274.6 |
| 1969 | 203.9 | z | z | 30,869 | 23,975 | 1,750 | 5,144 | 498.1 | 226.8 | 34.0 | 237.4 |
| 1970 | 220.2 | z | z | 28,790 | 22,768 | 1,292 | 4,731 | 473.6 | 228.7 | 25.1 | 219.8 |
| 1971 | 223.9 | z | z | 28,433 | 22,745 | 1,418 | 4,270 | 466.3 | 230.3 | 26.3 | 209.8 |
| 1972 | 235.9 | z | z | 28,295 | 23,206 | 1,328 | 3,761 | 465.7 | 240.1 | 25.5 | 200.1 |
| 1973 | 226.8 | z | z | 27,308 | 22,629 | 1,143 | 3,536 | 418.4 | 222.2 | 20.2 | 176.0 |
| 1974 | 199.8 | z | z | 25,583 | 21,379 | 797 | 3,407 | 369.3 | 198.0 | 14.5 | 156.8 |
| 1975 | 161.3 | z | z | 21,471 | 18,575 | 1,006 | 1,890 | 264.0 | 160.7 | 17.8 | 85.5 |
| 1976 | 205.7 | z | z | 24,183 | 20,265 | 920 | 2,998 | 350.2 | 201.7 | 16.8 | 131.7 |
| 1977 | 197.6 | 98.0 | 99.6 | 23,646 | 20,297 | 731 | 2,618 | 341.1 | 202.4 | 13.4 | 125.3 |
| 1978 | 193.8 | 102.1 | 91.7 | 24,949 | 22,066 | 517 | 2,366 | 340.8 | 211.5 | 9.4 | 119.9 |
| 1979 | 210.8 | 107.1 | 103.6 | 26,257 | 23,449 | 369 | 2,439 | 354.4 | 231.7 | 7.0 | 115.7 |
| 1980 | 209.0 | 114.8 | 94.2 | 27,685 | 24,979 | 314 | 2,392 | 343.6 | 223.3 | 5.9 | 114.4 |
| 1981 | 210.7 | 102.1 | 108.6 | 25,765 | 23,310 | 270 | 2,185 | 331.3 | 221.8 | 5.1 | 104.5 |
| 1982 | 187.7 | 91.1 | 96.6 | 23,353 | 21,283 | 230 | 1,840 | 286.4 | 194.0 | 4.4 | 88.0 |
| 1983 | 214.0 | 103.4 | 110.6 | 23,808 | 22,193 | 235 | 1,380 | 303.9 | 211.6 | 4.3 | 88.0 |
| 1984 | 235.8 | 118.4 | 117.5 | 23,233 | 21,628 | 225 | 1,380 | 295.8 | 225.6 | 4.2 | 66.0 |
| 1985 | 204.6 | 106.8 | 97.8 | 22,191 | 21,096 | 175 | 920 | 261.9 | 214.5 | 3.4 | 44.0 |
| 1986 | 215.1 | 112.5 | 102.5 | 21,956 | 21,956 | z | z | 216.8 | 216.8 | z | z |
| 1987 | 231.0 | 114.1 | 116.9 | 23,196 | 23,196 | z | z | 252.1 | 252.1 | z | z |
| 1988 | 239.4 | 118.9 | 120.5 | 28,000 | 28,000 | z | z | 256.5 | 256.5 | z | z |
| 1989 | 241.2 | 114.7 | 126.5 | 29,749 | 29,749 | z | z | 262.1 | 262.1 | z | z |
| 1990 | 236.8 | 112.8 | 124.1 | 31,077 | 31,077 | z | z | 274.6 | 274.6 | z | z |
| 1991 | 264.8 | 125.7 | 139.0 | 25,767 | 25,767 | z | z | 262.9 | 262.9 | z | z |
| 1992 | 251.9 | 115.0 | 137.0 | 24,498 | 24,498 | z | z | 266.1 | 266.1 | z | z |
| 1993 | 255.2 | 107.4 | 147.8 | 27,114 | 27,114 | z | z | 285.6 | 285.6 | z | z |
| 1994 | 279.1 | 124.6 | 154.4 | 26,424 | 26,424 | z | z | 281.8 | 281.8 | z | z |
| 1995 | 249.8 | 109.0 | 140.8 | 25,328 | 25,328 | z | z | 272.6 | 272.6 | z | z |
| 1996 | 254.7 | 109.0 | 145.6 | 22,412 | 22,412 | z | z | 290.6 | 290.6 | z | z |
| 1997 | 273.7 | 112.8 | 160.9 | 25,564 | 25,564 | z | z | 308.4 | 308.4 | z | z |
| 1998 | 281.9 | 130.8 | 151.1 | 24,146 | 24,146 | z | z | 271.7 | 271.7 | z | z |
| 1999 | 290.2 | 133.7 | 156.5 | 20,733 | 20,733 | z | z | 231.1 | 231.1 | z | z |
| 2000 | 263.0 | 102.1 | 160.9 | 23,080 | 23,080 | z | z | 245.0 | 245.0 | z | z |
| 2001 | 232.2 | 95.4 | 136.8 | 22,454 | 22,454 | z | z | 206.7 | 206.7 | z | z |
| 2002 | 241.4 | 102.1 | 139.3 | 24,162 | 24,162 | z | z | 229.8 | 229.8 | z | z |

[a]Naval Stores Review (29); Pine Chemicals Association (31).
[b]1965-1972 numbers are converted from 50 gallon barrels to 1000 gallons.
[c]1965-1972 numbers are converted from 520-lb drums to 1000 short tons.
[d]1988-present represents crude turpentine production.
[z]Not available.

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