USDA
United States Department of Agriculture

U.S. Timber Production, Trade, Consumption, and Price Statistics, 1965–2013

James L. Howard
Kwameka C. Jones

Forest Service
Forest Products Laboratory
Research Paper FPL–RP–679
February 2016

Abstract

This report presents annual data but is published every 2 years. The data present current and historical information on 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 over time. One of the major shifts that occurred in the wood-using industry from 2004 to 2013 is that both production and consumption of roundwood per capita decreased. Consumption of products per capita has also undergone a gradual decrease from 2004 to 2013. Because of increased paper recycling and increased processing efficiency, consumption per capita in roundwood equivalent has decreased since about 1986 from 83 ft^3 to 44 ft^3 per capita in 2013. However, over the most recent time period, the decline in production per capita is due to the U.S. economic weakness that severely impacted wood markets. In the 1960s and 1970s, consumption averaged 65 ft^3 per capita before increasing to and peaking at 83 ft^3 per capita in 1986. Since 2004, consumption per capita has continued to steadily decrease and reached 40 ft^3 in 2009 before increasing to 44 ft^3 in 2013. Per capita consumption in 2013 increased to 44 ft^3 the fourth consecutive year of increases. Since 1999 paper consumption fell from 57 thousand tons to 36.7 thousand tons in 2013. Since 1999, newsprint capacity declined from 7.4 million tons to 3.3 million tons and printing and writing paper fell from 29.3 million tons of capacity to 19.7 million tons of capacity. Another shift occurring over the past several years is increased emphasis on wood energy use, which has shown wide fluctuations over the past decade and into 2013.

Keywords: production, consumption, import, export

February 2016

Howard, James L.; Jones, Kwameka C. 2016. U.S. timber production, trade, consumption, and price statistics, 1965-2013. Research Paper FPL-RP-679. Madison, WI: U.S. Department of Agriculture, Forest Service, Forest Products Laboratory. 91 p.

A limited number of free copies of this publication are available to the public from the Forest Products Laboratory, One Gifford Pinchot Drive, Madison, WI 53726–2398. This publication is also available online at www.fpl.fs.fed.us. Laboratory publications are sent to hundreds of libraries in the United States and elsewhere.

The Forest Products Laboratory is maintained in cooperation with the University of Wisconsin.

The use of trade or firm names in this publication is for reader information and does not imply endorsement by the United States Department of Agriculture (USDA) of any product or service.

In accordance with Federal civil rights law and U.S. Department of Agriculture (USDA) civil rights regulations and policies, the USDA, its Agencies, offices, and employees, and institutions participating in or administering USDA programs are prohibited from discriminating based on race, color, national origin, religion, sex, gender identity (including gender expression), sexual orientation, disability, age, marital status, family/parental status, income derived from a public assistance program, political beliefs, or reprisal or retaliation for prior civil rights activity, in any program or activity conducted or funded by USDA (not all bases apply to all programs). Remedies and complaint filing deadlines vary by program or incident.

Persons with disabilities who require alternative means of communication for program information (e.g., Braille, large print, audiotape, American Sign Language, etc.) should contact the responsible Agency or USDA's TARGET Center at (202) 720–2600 (voice and TTY) or contact USDA through the Federal Relay Service at (800) 877–8339. Additionally, program information may be made available in languages other than English.

To file a program discrimination complaint, complete the USDA Program Discrimination Complaint Form, AD-3027, found online at http://www.ascr.usda.gov/complaint_filing_cust.html and at any USDA office or write a letter addressed to USDA and provide in the letter all of the information requested in the form. To request a copy of the complaint form, call (866) 632–9992. Submit your completed form or letter to USDA by: (1) mail: U.S. Department of Agriculture, Office of the Assistant Secretary for Civil Rights, 1400 Independence Avenue, SW, Washington, D.C. 20250–9410; (2) fax: (202) 690–7442; or (3) email: program.intake@usda.gov.

USDA is an equal opportunity provider, employer, and lender.

U.S. Timber Production, Trade, Consumption, and Price Statistics, 1965–2013

James L. Howard, Economist
Kwameka C. Jones, Economic Assistant
Forest Products Laboratory, Madison, Wisconsin

Preface

This report includes data for 1965 to 2013. Data for years prior to 1965 can be found in earlier reports in the series. Since the last publication of this series in 2011 (data compiled through 2011), 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 (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 and English units[a]

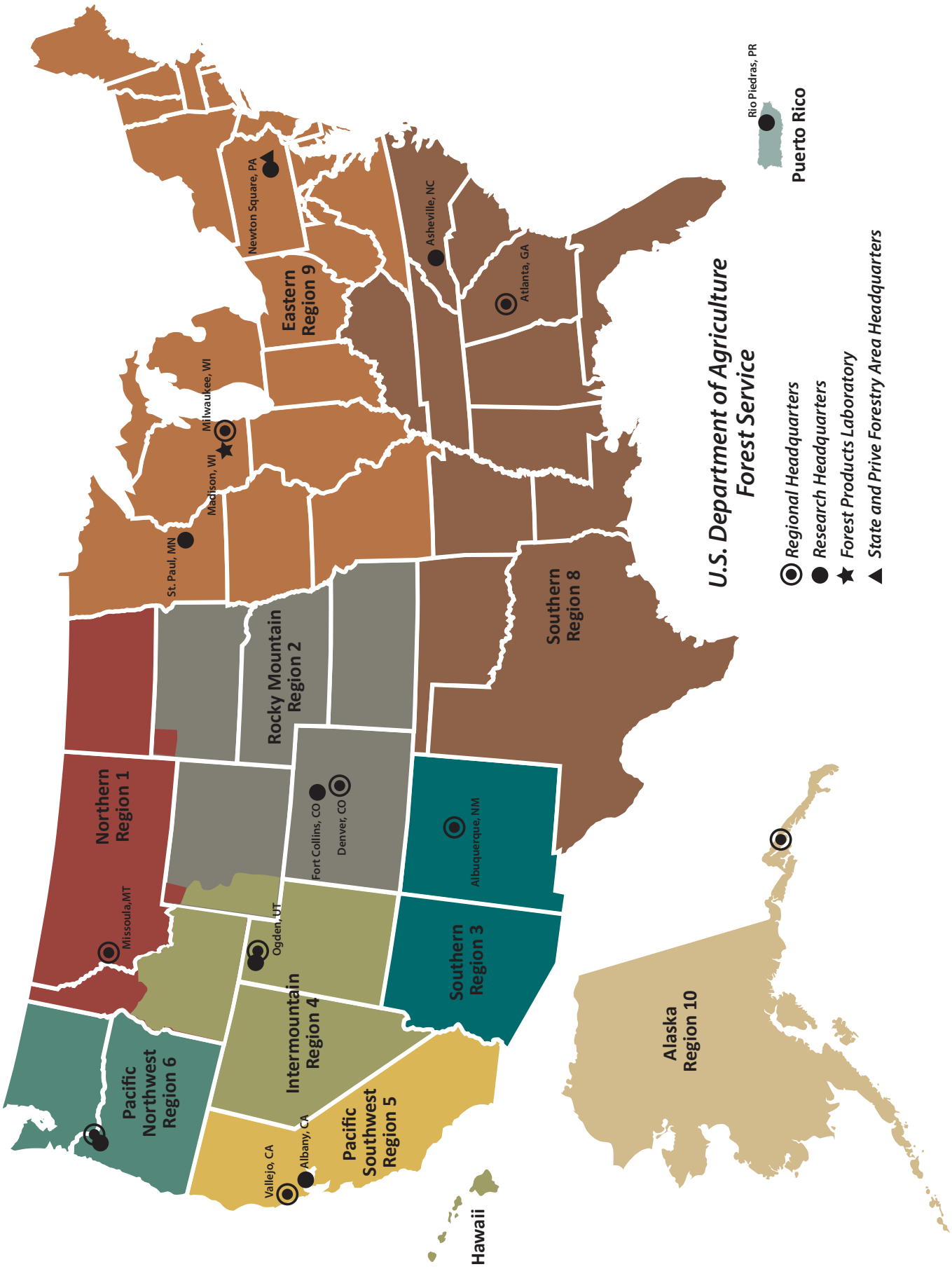
Unit	Conversion factor	Metric and English unit
square foot	0.0929	square meter
cubic foot (log trade)	0.028317	cubic meter
short tons (chips)	0.0185	1,000 cubic feet
board foot (hardwood lumber)	0.00236	cubic meter
board foot (softwood lumber)	0.00170	cubic meter
board foot (lumber export and imports)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

[a]U.S. Department of Agriculture, Forest Service (48,49).
[b]Based on square feet 3/8-in. panels.

Factors for converting standard units to short tons

Product	Standard unit	Weight of wood per standard unit (short tons)
Roundwood products		
Softwood	1,000 cubic feet	17.5 air dried
Hardwood	1,000 cubic feet	20.0 air dried
Softwood	cord (80 cubic feet)	1.4
Hardwood	cord (80 cubic feet)	1.6
Lumber		
Softwood	1,000 board feet	0.974
Hardwood	1,000 board feet	1.680
Laminated veneer lumber	1,000 cubic foot	17.5
Structural panels		
Softwood plywood	1,000 square feet, 3/8-in. basis	0.544
Waferboard and OSB[a]	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	0.578
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	1,000 tons	1,000
Other industrial products	1,000 tons	16.5

[a]Oriented strandboard.


U.S. Department of Agriculture
Forest Service
Regional Headquarters
Research Headquarters
Forest Products Laboratory
State and Prive Forestry Area Headquarters
Northern Region 1
Missoula,MT
Rocky Mountain Region 2
Fort Collins, CO
Denver, CO
Southern Region 8
Atlanta, GA
Asheville, NC
Eastern Region 9
Newton Square, PA
Milwaukee, WI
Madison, WI
St. Paul, MN
Pacific Northwest Region 6
Albany, CA
Vallejo, CA
Intermountain Region 4
Ogden, UT
Pacific Southwest Region 5
Southern Region 3
Albuquerque, NM
Alaska Region 10
Hawaii
Puerto Rico
Rio Piedras, PR

Highlights

Economic activity in most major timber products markets, including paper and paperboard, remained volatile in 2013 as some product markets (such as softwood lumber production) grew while other production markets showed little change from the previous year. Paper and paperboard production decreased by 0.8% in 2013 from 2012. New housing construction, which accounts for more than a third of the U.S. softwood lumber and structural panels consumed and for substantial volumes of other softwood and hardwood products, grew in 2013 but remained below the peak housing production year of 2005. The consumption of oriented strandboard (OSB) during 2013 continued to exceed plywood consumption as OSB production increased 13.1% in 2013 compared with 2012. Total industrial production index, an important demand determinant for pallet lumber, containerboard, and some grades of paper, increased 2.9% in 2013 (Table 1). Private nonresidential construction expenditures increased in 2013 compared with 2012, and residential fixed investment also increased during 2013. Wood energy use in the United States continued to be volatile, increasing during 2013 (Table 60).

The U.S. housing market strengthened during 2013 as sales of both new and previously occupied homes began to rebound from all-time record lows. Starts of conventionally built homes (excluding mobile homes) increased by 18.0% from a year earlier to 925 thousand units during 2013. Homes sales new and existing in 2013 totaled 5.5 million units; this number consisted of 5.1 million units that were previously occupied and 430 thousand that were new units. A record high for home sales was established during 2005 when 8.3 million units were sold. Of the 8.3 million units sold, 7.1 million units were previously occupied homes and 1.3 million were new units. In terms of market share within region in 2013, new homes sold were strongest in the South, with 232,000 units sold. This represented 54% of all new sales in the United States for 2013. The production index for final products and nonindustrial supplies advanced solidly in 2012 and 2013. Production of durable consumer goods, which includes furniture and fixtures, had moderate to noticeable gains in 2012 and 2013. The index for consumer nondurables, which includes paper products, edged up slightly in 2012 and 2013. Another significant indicator of demand for wood products increased in 2013 relative to 2012: Total industrial production rose in 2013, increasing by 2.9%. Housing trends in 2013, along with comparably stronger economic growth, caused the lumber industry to rebound and exceed production levels of 1 year earlier, but it still remained well below peak production levels. U.S. softwood lumber production remained below record levels by 21.5%.

U.S. consumption of wood and paper products required input for those products produced in the United States (for domestic consumption) plus roundwood required to make imported products. This consumption of roundwood to meet the 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 increased to 20.1 billion ft^3 in 2005 and has since decreased to just 13.6 billion ft^3 in 2013, slightly above the 1965 level of consumption. U.S. 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 needed for U.S. production has declined since 1991 from 18.8 to 13.6 billion ft^3 in 2013, slightly above the level of harvest in 1965. The 13.6 billion ft^3 continued the upward trend of four straight years of production increases since 2009, reversing the trend of production declines since 1991 (Table 5a).

Along with record low demand from the housing sector, which drove low demand in the lumber industry since 2009, U.S. National Forest sawlog stumpage prices increased in current dollars for Douglas Fir and Southern Pine in 2011, continuing the volatile price cycle over recent years. Southern Pine recovered modestly in the late 1990s, but Douglas Fir continued downward (Table 20). Increasing Canadian lumber imports contributed to the slump in softwood prices, and Western mill closures reflected the slump in prices.

During 2013, apparent consumption of most timber products increased over 1-year-ago levels. Western production of softwood lumber from the California redwood region increased 10.0%, and Western softwood lumber production increased by 7.2%. Although domestic markets for hardwood lumber have been declining in recent years, production increased in 2013. The combined roundwood and forest chip production for pulp and OSB mills increased by 1.6% in 2013. Softwood plywood production reversed its declining trend, increasing in 2013 by 1.8% over 1 year earlier. The consumption of OSB continued to exceed plywood consumption during 2013 and has remained above plywood consumption since 1998. Shipments of particleboard were flat in 2011 compared with 2010, whereas MDF shipments increased slightly in 2011 over 2010 shipments.

Continued growth in U.S. imports of furniture from China, Vietnam, Indonesia, and Malaysia presents an increasing problem for American furniture manufacturers and the companies that supply them with nonstructural panels, such as particleboard and MDF, and hardwood lumber. Not only has total lumber consumed by the U.S. furniture industry decreased, but the species mix has changed as well. Less red oak lumber and parts are being used, and alternative species such as hard maple are being used, too.

The near-term outlook is one of continued growth in demand for most timber products. Timber volumes supplied by the National Forest have increased in recent years. In 2013, valued at about $162 million, National Forest harvest totaled 2.4 billion board feet (bf), making up less than 18.0% of total U.S. timber harvest, down more than 82% from the peak in 1991.

Contents

General Economic Trends 1
Timber Production, Prices, Trade, and Consumption 2
Lumber Production, Prices, Trade, and Consumption 2
Woodpulp and Pulpwood Production, Prices, Trade, and Consumption 7
Plywood and Veneer Log Production, Prices, Trade, and Consumption 9
Particleboard, Hardboard, and Insulation Board Production, Prices, Trade, and Consumption 11
Miscellaneous Timber Products Production, Prices, Trade, and Consumption 12
Criteria and Indicators of Sustainable Forest Management 13
Volume and Value of Wood and Wood Products Production 13
Total and per capita Consumption of Wood and Wood Products 14
Value and Volume in Roundwood Equivalents of Exports and Imports of Wood Products 15
Recovery or Recycling of Forest Products as a Percentage of Total Forest Products Consumption 16
Literature Cited 16
Annotated Bibliography 16

Tables

General Economic Trends

1—Measures of economic growth, population, and prices, 1965–2013 22
2—Number of households and housing market indicators, 1965–2013 23
3—Average hourly earnings in timber-based industries and all manufacturing in the United States, 1972–2013 24
4—Average employment in lumber producing and lumber dependent industries in the United States, in thousand people, 1972–2013 25

Timber Production, Trade, Consumption, and Prices

All Products–Tables 5–7 in roundwood equivalents

5a—Production, imports, exports, and consumption of timber products, by major product, 1965–2013 (cubic feet) 26
5b—Production, imports, exports, and consumption of timber products, by major product, 1965–2013 (cubic meters) 27
6a—Production, imports, exports, and consumption of softwood timber products, by major product, 1965–2013 (cubic feet) 28
6b—Production, imports, exports, and consumption of softwood timber products, by major product, 1965–2013 (cubic meters) 29
7a—Production, imports, exports, and consumption of hardwood timber products, by major product, 1965–2013 (cubic feet) 30
7b—Production, imports, exports, and consumption of hardwood timber products, by major product, 1965–2013 (cubic meters) 31
8a—Production, imports, exports, and consumption of timber products (excludes additives and fillers) in tons, by major product, 1965–2013 (million tons) 32
8b—Production, imports, exports, and consumption of timber products (excludes additives and fillers) in tons, by major product, 1965–2013 (thousand metric tons) 33
9—U.S. annual industrial wood product production in thousands of short tons, product weight, 1965–2013 34
10—Industrial wood productivity, 1965–2013 35
11a—Per capita consumption of timber products, by major product, 1965–2013 36
11b—Per capita consumption of timber products, by major product, 1965–2013 (cubic meters) 37
12—Consumption of selected timber products and other materials used in construction, manufacturing, and shipping, 1965–2013 38
13—Volume and value of imports and exports of timber products by product, 2013 40
14—Value of imports and exports of all commodities and timber products, 1965–2013 41
15—Foreign exchange rates by selected country and year, 1975–2013 42

Logs

16—Log imports by major species, 1965–2013 43
17—Log imports by major region of origin, 1965–2013 44
18—Log exports by major species, 1965–2013 45
19—Log exports by major region of destination, 1965–2013 46
20—Average stumpage prices for sawtimber sold from national forests, by selected species, 1965–2013 47
21—Volume and value of sawtimber stumpage sold from national forests, by selected species and region, 2013 48
22—Average stumpage prices for sawtimber sold from private lands in Louisiana, by selected species, 1965–2013 51
23—Veneer log production, by softwoods and hardwoods, 1965–2013 52

Pulpwood

24—Pulpwood consumption, production, imports, exports, and the equivalent wood volumes of imports and exports of paper, board, and wood pulp, 1965–2013 53

25—Pulpwood production, by region and softwoods and hardwoods, 1965–2013 54

26—Pulpwood stumpage prices of Louisiana and northern New Hampshire, 1965–2013 55

27—Pulpwood prices of Louisiana and northern New Hampshire, 1965–2013 56

Lumber Production, Trade, Consumption, and Prices

28—Lumber production, imports, exports, and consumption by softwoods and hardwoods, 1965–2013 57

29—Lumber production, by region and softwoods and hardwoods, 1965–2013 58

30—Lumber production in the U.S., 1965–2013 59

31—United States lumber imports, by softwoods and hardwoods and country of origin, 1965–2013 60

32—United States lumber exports, by softwoods and hardwoods and country of destination, 1965–2013 61

33—Lumber production in Canada, by softwoods and hardwoods and region, 1965–2013 62

34—Lumber and competing engineered wood products production, by type of product, 1970–2013 63

35—Producer price indexes for lumber and selected nonwood competing materials, 1965–2013 64

36—Relative producer price index for lumber, 1800–2013 67

Plywood and Veneer Production, Trade, Consumption, and Prices

37—Plywood production, imports, exports, and consumption by softwoods and hardwoods, 1965–2013 68

38—Production, imports, exports, and consumption of structural panel products, by type, 1980–2013 69

39—Hardwood plywood imports, by country or region of origin, 1965–2013 70

40—Veneer imports and exports, by species, 1965–2013 71

41—Hardwood veneer imports, by country or region of origin, 1965–2013 72

42—Producer price indexes for plywood, 1965–2013 73

Paper, Board, and Wood Pulp Production, Trade, Consumption, and Prices

43—Paper and board production, imports, exports, and consumption, 1965–2013 74

44—Paper shipments, imports, exports, and consumption, 1965–2013 75

45—Paperboard production, imports, exports, and consumption, 1965–2013 76

46—Paper and board production and fibrous materials consumed in the manufacture of paper and board, 1965–2013 77

47—Paper and board new supply, and recyclable paper consumption, exports, imports, and total recovered, 1965–2013 78

48—Recovered paper consumption, by major grade, in paper and paperboard manufacture, 1970–2013 79

49—Wood pulp production, imports, exports, and consumption, 1965–2013 80

50—Pulpwood consumed in the manufacture of wood pulp, 1965–2013 81

51—Producer price indexes for paper, board, and wood pulp, 1965–2013 82

52—Producer price indexes for wastepaper, by grade, 1965–2013 83

Particleboard, Hardboard, and Insulating Board Production, Trade, Consumption, and Prices

53—Particleboard and medium-density fiberboard production, imports, exports, and consumption, 1965–2013 84

54—Insulating board production, imports, exports, and consumption, 1965–2013 85

55—Insulating board production, imports, exports, and consumption [thousand tons], 1965–2013 86

56—Hardboard production, imports, exports, and consumption, 1965–2013 87

57—Producer price indexes for hardboard and particleboard, 1965–2013 88

58—Production of treated wood products by type of treatment, treatment plant, and product, 1984–2013 89

59—Forest chemical products production in gallons and short tons, 1965–2013 90

Wood Energy Use

60—Wood energy use in the United States, 1973–2013 91

U.S. Timber Production, Trade, Consumption, and Price Statistics, 1965–2013

General Economic Trends

The U.S. economy continued to recover in 2013 from the deep recession that began at the end of 2008. The real value of goods and services produced in the economy, as measured by gross domestic product (GDP) adjusted for changes in prices (real GDP), grew in each of the 4 years to 2013. Employment continued to expand in 2013, and the private sector created more than 1.5 million new jobs in 2013. Economic activity, as measured by the gross domestic product, rose at an annual rate of 1.9% in 2013 to $15,761.3 billion (2009 dollars). This was up from $15,470.7 billion (2009 dollars) during 2012. United States economic activity as measured by the GDP would in all likelihood be stronger if not for the lingering effects of the financial crisis. Reduction in household wealth during the financial crisis and the deep recession that followed appear to have restrained growth of consumption during the recovery. United States demographics are also playing a role in the lagging recovery, as the baby boom generation moves past its robust spending years and becomes a drag on the economy. This economic condition may have become more of a structural problem than a cyclical one. Investment in new residential construction was stronger, growing by 27% from 2011 to 2013, stronger than in typical recoveries. Because residential construction fell to a record low during the recession combined with the vast amount of overbuilding of houses during the years leading up to the crisis, the strong investment in residential construction still leaves housing starts well below record levels. Real GDP led the broad-based economic growth in 2013, increasing 1.9% after having increased 2.8% in 2012. One of the leading contributors to economic growth in 2013 was the household sector, where credit conditions continued to improve and purchases of durable goods rose at a robust pace. Households continued to work down debt in 2013. Growth in consumption remained restrained due in part to slow growth in nominal income. In the business sector, investment in equipment and software posted solid gains in 2013, and global demand for U.S. goods and services was strong. The growth in U.S. exports supported job gains in 2013 and continued expansion of manufacturing output. Conditions in residential real estate markets continued to improve in 2013, with a modest increase toward the end of the year, while demand for new housing continued to strengthen.

New housing construction, which accounts for more than a third of the U.S. annual consumption of softwood lumber and structural panels and for substantial volumes of other softwood and hardwood products, entered into recovery

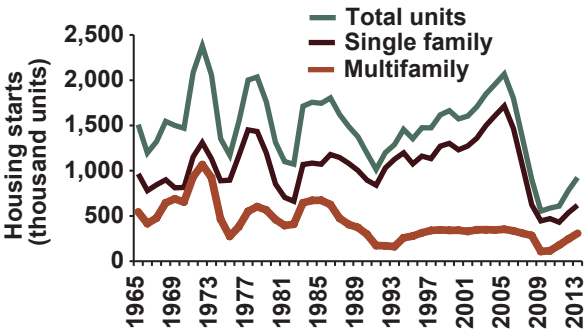


Figure 1. Housing starts by type of unit.

during 2011 and continued to recover into 2013 (Tables 1 and 2, Fig. 1). Starts of single-family units accounted for the largest portion of the increase, but multi-family housing starts also increased during 2013. Single-family housing starts since 2011 increased drastically by 52.0%, while multi-family housing starts increased by 72.0%. Housing starts for 2013 were 925,000, as sales of new houses grew in 2013 to 429,000 units. Housing starts increased in 2013 but remain well below the historical high in 2005. The new home ownership rate reached 69% in 2004, equaling the all-time high but since fell to 65.1% in 2013. Builder's expectations for housing starts in 2013 remained upbeat and were realized as mortgage rates remained at historically low levels. Historically, repair and remodeling was an important determinant and driver of wood product demand. But in 2013, both remained well below the historical high set in 2005 for housing starts and 2006 for residential improvements. Sales of new single-family homes remained below historical levels in 2013. Sales of new single-family homes was 430,000 units in 2013, 17% above sales in 2012. Existing home sales were up slightly in 2013, reaching 5,073,000, up 9.0% from 2012. This shows that in 2013, the housing industry continued to improve as the state of the U.S. economy continued to improve.

Shipments of manufactured housing increased slightly during 2013 to 60,000 units, 5,000 units above the 2012 shipments level.

The value of private construction put in place rose to $627.0 billion (current dollars) in 2013, increasing about $49.5 billion from 1 year before. Residential value was $331 billion, including $130 billion in residential improvements. Gross private domestic investment increased in 2013 for both nonresidential and residential housing units. Spending on new single- and multi-family residential structures was

$487 billion (2009 dollars) in 2013 compared to $427 billion for nonresidential structures.

Industrial production, an important demand determinant for pallet lumber, containerboard, and some grades of paper, increased 2.9% in 2013 over 2012 (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, increased 6.9% in 2013. Further increases are likely because of continued growth in China furniture imports. **The industrial production index for paper and products decreased while the manufacturing sector index increased slightly.**

Timber Production, Prices, Trade, and Consumption

Total roundwood production increased to 13.6 billion ft^3 in 2013, up from 13.1 billion ft^3 of production of a year earlier (Fig. 3). This marks the fourth straight year of increased production after 4 straight years of decreased roundwood production since 2005, when roundwood production was 16.7 billion ft^3. Roundwood production has generally been on the decline since the mid-1990s. The high point for roundwood harvest was 1991, when total roundwood production was 18.8 billion ft^3.

The lumber and engineered wood products sectors are significant contributors to current wood products production and consumption, despite overall declines in both sectors. The production of sawlogs used in the domestic manufacture of lumber increased in 2013 to 5.6 billion ft^3, the third consecutive year of increased sawlog production. The 5.6 billion ft^3 was down 27% from the peak year of 2005, when 7.9 billion ft^3 of sawlogs were produced, but was above sawlog production of 2012 by 7.4%. This represents about 41% of total industrial roundwood production in 2013. Softwood lumber production represents about 48% of softwood roundwood harvest, and hardwood lumber made up 28% of hardwood roundwood harvest in 2013. Pulpwood, which composes about 35% of total industrial roundwood, decreased slightly from a year earlier. Although roundwood pulpwood production has consistently fallen since the late 1990s, the pulpwood share of industrial roundwood production has remained fairly constant. During that time, roundwood used to produce lumber decreased slightly.

Lumber Production, Prices, Trade, and Consumption

Production

An estimated 37.3 billion bf (37.3×10^9 bf) of lumber (softwoods plus hardwoods) was produced in the United States in 2013 (Table 28). Since 1965, lumber production has generally trended upwards, except for periods of economic slowdown, such as the mid-1970s, early 1980s, and 2006–2010. Many western mills dependent on federal timber were

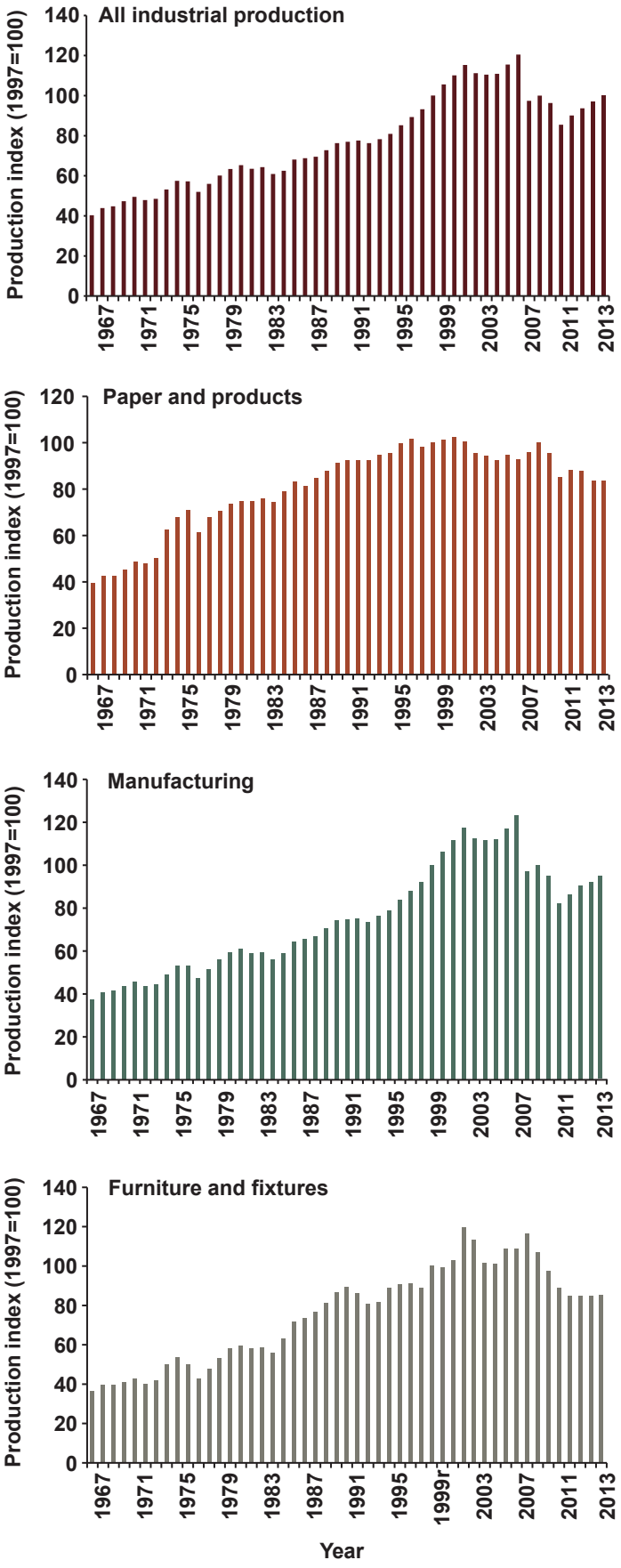


Figure 2. Economic activity in major industrial timber markets.

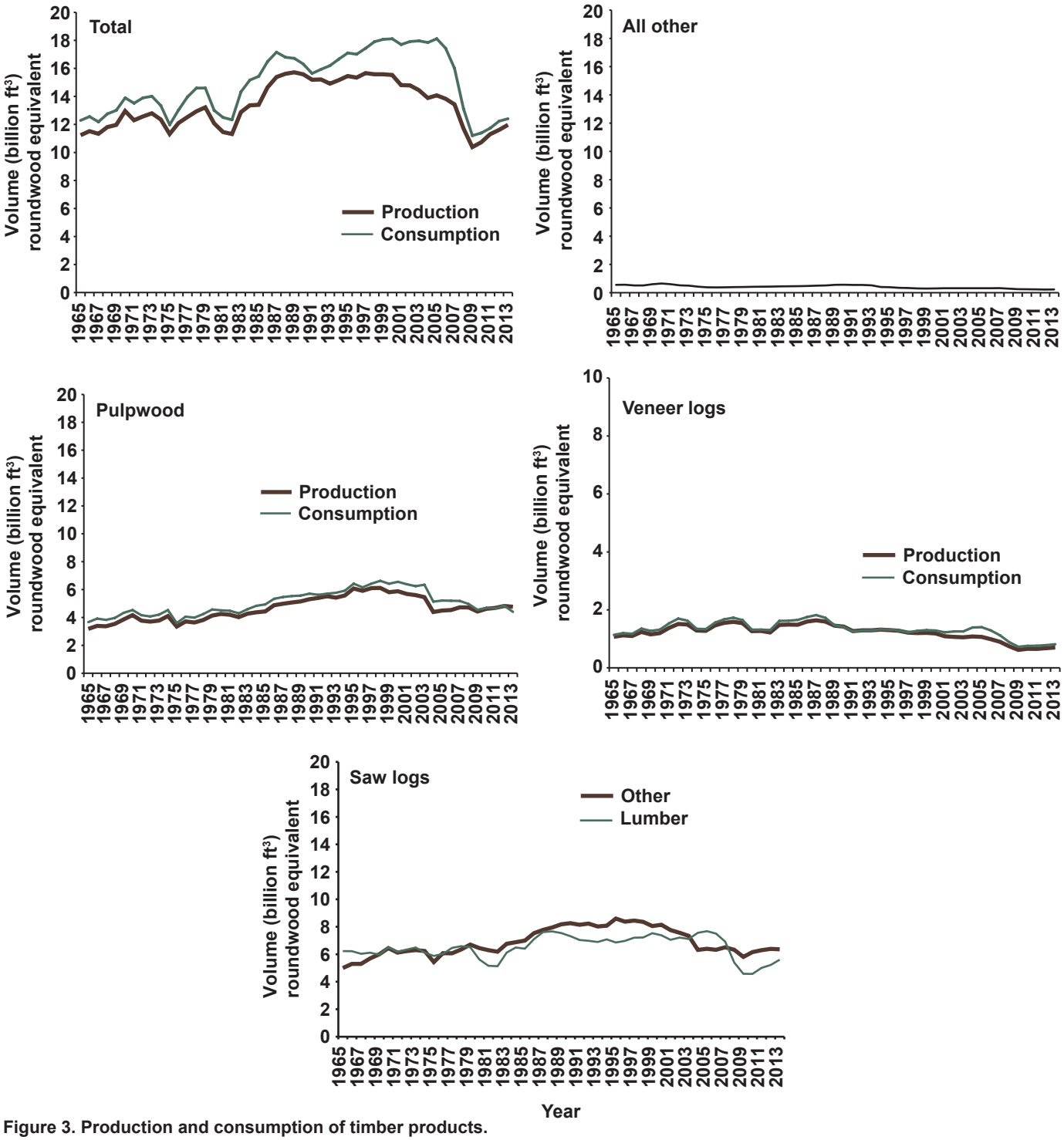


Figure 3. Production and consumption of timber products.

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 declining trends have reversed since 2011 as annual lumber production continues to increase.

Softwood lumber production in 2013 was 30.0 billion bf (Table 28, Fig. 4), 80% of total lumber production. Hardwood lumber production was about 7.3 billion bf. The overall decline in lumber production since 2005 was almost entirely at the expense of softwood lumber. However, the most recent decline in lumber production, resulting from the deepest economic downturn since the great depression, was seen in both softwood and hardwood lumber. Softwood lumber production from 2000 to 2005 generally trended toward record production levels, peaking at 39.8 billion bf in 2005 before declining quite severely since 2005 to production levels not seen since the 1950s. Hardwood lumber production generally trended downward from the high production levels of the late 1990s before bottoming out in 2010.

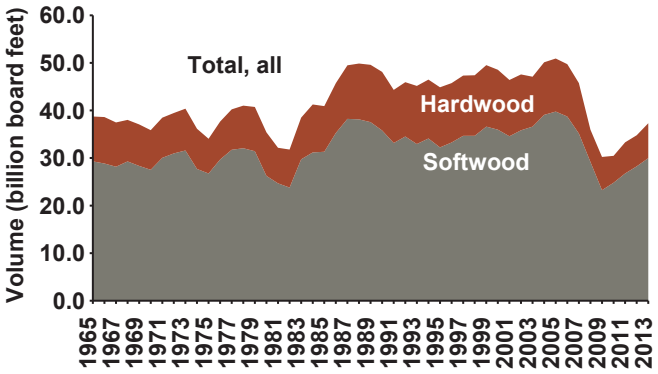


Figure 4. U.S. lumber production by wood type, 1965–2013.

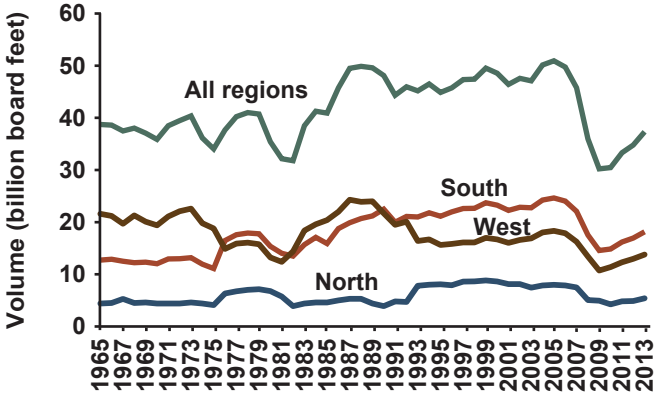


Figure 5. U.S. lumber production by production by region, 1965–2013.

In 2013, the South was the largest lumber-producing region in the United States at 18.2 billion bf (Table 29, Fig. 5). The West was the second largest region at 13.8 billion bf, followed by the North at 5.4 billion bf. The West, although the second largest overall producing region, had traditionally been the largest softwood lumber-producing region, with nearly 97% (13.5 billion bf) of its total production being softwood species. Softwood lumber production in the South was about 84% of its total production, exceeding the total softwood volume of the West. The North produced 1.2 billion bf softwood lumber in 2013.

Until the 1990s, the West had been the largest lumber-producing region in the United States. From 1966 until 1980, 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 region (Washington, Oregon, and California). Since the early 1980s, the proportion of lumber coming from the West has slowly decreased to just under half, due to declining levels of timber from public lands and increasing levels of production in the South. In the late 1980s and early 1990s, large areas of federally owned land in the West were removed from harvest. This removal further reduced Western harvest. In 1990, the South became the Nation's largest lumber-producing region, accounting for 35% of all softwood lumber and 80% of all hardwoods.

During the late 1990s, softwood lumber production in the South and West increased. Between 2000 and 2005, softwood lumber production continued to increase in the South and declined in the West, and the West ceased being the leading softwood lumber-producing region. Even with the overall decline in lumber production in all regions since 2005, the South still maintains its position as the leading softwood lumber producing region.

Total lumber production in the North remained fairly steady from 1965 through the early 1990s at about 4.5 billion bf per year (Table 29, Fig. 5). It then increased rapidly to 8.8 billion bf per year. Nearly all this increase was in hardwood lumber production. However, hardwood lumber production started to decline in 2000, brought on by the decline in the U.S. furniture manufacturing industry, which resulted from increased Chinese and other Asian imports. Also during this time, the shift in fashion trends away from red oak continued. Over the past several years, the decline in hardwood lumber production was exacerbated by the weakened state of the U.S. economy and the downturn in the forest products sector.

Imports and Exports

In 2013, lumber imports to the United States from all countries total 11.7 billion bf, a high that has not been reached since 2008 (Tables 28 and 31). During the same year, exports from the United States to all countries totaled 2.6 billion bf (Tables 28 and 32). The difference, 9.1 billion 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 less than a fourth (20%) of total domestic lumber consumption in 2013. Except for periods of low overall U.S. demand, including the most recent economic downtown, lumber imports to the United States have grown steadily since 1965. Nearly all the growth was in softwood lumber imports. In 1965, softwood lumber imports total 4.9 billion bf. By 2005, softwood lumber imports were 24.7 billion bf, an increase of 19.8 billion bf. In contrast, hardwood lumber imports were 0.3 billion bf in 1965 and 1.1 billion bf in 2005. However, one major exception to this trend is the recent weakening of economic conditions in the United States, which caused a dramatic reversal in the lumber imports trend since 2008. Softwood lumber imports dropped about 64% from 24.7 billion bf in 2005 to 8.9 billion bf, while hardwood lumber imports dropped from 1.1 billion bf in 2005 to 0.3 billion bf in 2013.

Canada has always been the principal source of lumber imported into the United States (Table 31). In 2013, 94% of all lumber imports were from Canada. Canada is the principal source of both softwood lumber and hardwood lumber imports to the United States. In 2013, nearly 96% of all softwood lumber and 34% of all hardwood lumber imported to the United States were from Canada. The percentage of softwood lumber from non-Canadian sources has generally been increasing in recent years (since 2005). Hardwood

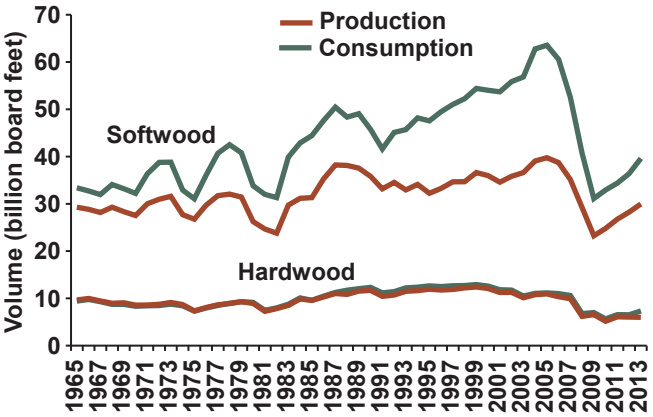


Figure 6. Lumber production and consumption by wood type, 1965–2013.

imports from Canada as a percentage of total hardwood imports fell fairly steadily from 1950 through the 1970s and again since 2006. Overall, the United States imported nearly 46% of Canadian lumber production in 2013.

Lumber exports grew fairly steadily from 1965 through 1991, reaching a record high of nearly 4.5 billion bf in 1988 (Tables 28 and 32). Since 1990, lumber exports have fallen to 2.6 billion bf in 2013. 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, increased levels of exports from other major timber-producing countries, and the recent economic weakening in the United States. During the mid-1980s and early 1990s, Japan was by far the largest single market for U.S. exported lumber. In 1989, Japan purchased 1.6 billion bf of lumber (Table 32). Since then, exports to Japan have fallen to just one-tenth of their previous level. China is currently the largest single market for exported lumber, followed closely by Canada and Mexico. They accounted for 25% and 16%, respectively, of all exports.

More than half (62%) of total exports in 1996 were softwood species, 1.8 billion 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 fell steadily from around 78% in the 1980s to 41% in 2005. Since 2005, however, softwood lumber exports have experienced an increasing trend and currently sit at 69%. The 69% is misleading because it results from the overall drop in exports brought on by the decline in the forest products sector. The most important softwood lumber export markets in 2013 were China, which accounted for about 22% of total softwood lumber exports, Canada at 21.0%, and Mexico at 16.0%. All other countries accounted for the remaining exports. China and Canada were the two largest markets for exported hardwood lumber from the United States in 2013. China is the fastest growing market for hardwood lumber.

Consumption

Lumber consumption in the United States in 2013 for all uses totaled 45.6 billion bf, an increase of 8.5 billion bf since 2009. Lumber consumption since 2009 increased each year. Lumber consumption peaked at 74.5 billion bf in 2005 (Table 28). The record high in 2005 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 2013 was 144 bf, a large departure from the record high of 251 bf in 2005 (Table 28). The decline in per capita consumption continued as a result of the decline in wood products markets until 2011, when per capita consumption increased to 130 bf, the first increase since 2005. This level of consumption is still dramatically below that of the early 1900s, when consumption exceeded 500 bf per person.

Overall, about 67.8% of the softwood lumber consumed in 2013 was used for housing, with 27.8% used for construction of new units and 40.0% of consumption for upkeep and improvement of existing units. New nonresidential construction accounted for about 11.1%. Lumber consumption used for shipping (pallets, containers, and dunnage) accounted for 14.8%. The remaining 6.3% 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 2013, 39.6 billion bf of the 45.6 billion bf of lumber consumed in the United States was softwood species, or about 87% (Table 28, Fig. 6). Slight annual variations in the percentage of softwood and hardwood lumber used are common, resulting from differing levels of activity in various end use markets and variations in species consumption between them. About 98% of the lumber used in new housing in 2013 was estimated to have been softwood species. The increase in percentage of softwood lumber used in housing was largely due to a decline in hardwood flooring use and rapid increase in house size that occurred in the 1990s, which required larger amounts of softwood dimension lumber for framing. Increased use of engineered wood products in recent years, substituting for dimension lumber in both residential and nonresidential construction, tended to reduce the softwood percentage. Even with variations caused by differences in end-use markets, softwood lumber consumption as a percentage of total lumber consumption has remained around 86% since the 1960s.

Prices

Overall, softwood lumber prices rebounded in 2013 but remained below the record high set during 2004. The actual producer price index for softwood lumber was 141.3 in 2013 (2009=100), down from 148.3 in 2004 and above 2012 (Table 35, Fig.7). Historically, the producer price index for

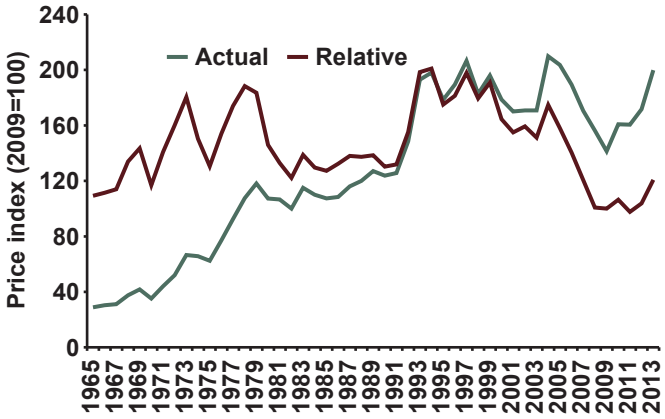


Figure 7. Price indexes for softwood lumber, 1965–2013.

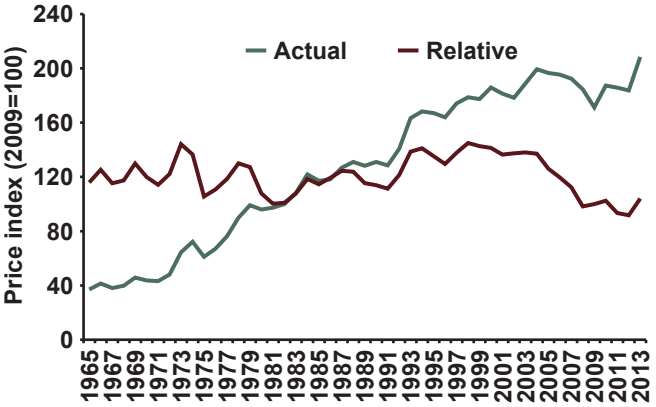


Figure 8. Price indexes for hardwood lumber, 1965–2013.

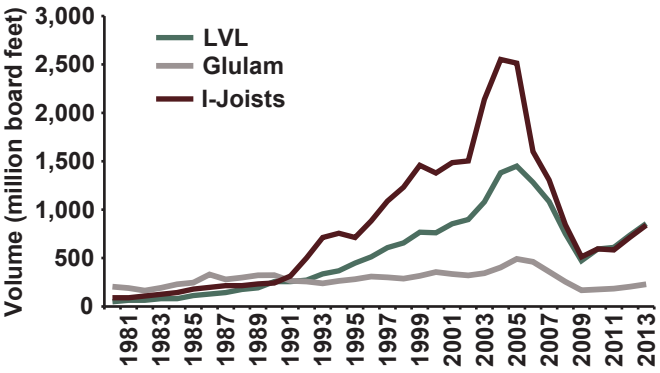


Figure 9. Production of glulam, I-joists, and laminated veneer lumber, 1965–2013.

lumber rose rapidly between 1965 and 1979, from 30.2 to 114.0. This represented an average increase of about 6.0% per year. During the early years of the decade, a mild recession in the early to mid-1980s depressed lumber prices. It was not until late in the decade that prices again reached record levels. On average, lumber prices increased just 2.0% 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 relative high of 175.1 in 1995 to a low of 120.8 in 2013. Overall, the softwood lumber producer price index increased at a rate of about 5.0% per year between 1965 and 1999, then increased approximately 1.3% per year from 1999 into 2005, then decreased at a rate of 0.5% per year between 2005 and 2013.

Hardwood lumber prices, as measured by the hardwood lumber producer price index, have historically been much less volatile than softwood lumber. In 2013, the producer price index for hardwood lumber was 121.7, 5.3 points above the record high established in 2004 (Table 35, Fig. 8). Since 1965, hardwood lumber prices have increased at a rate of about 3.6% per year.

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 100, then it is relatively more expensive. In 2013, the relative price of softwood lumber was 120.8, up 17 points from 2012 (Table 35, Fig. 7). Since 1965, relative softwood lumber prices ranged from a low of 109.3 in 1965 to a high of 201.0 in 1994. The relative hardwood lumber price index in 2013 was 104.0, up from 91.7 in 2012 (Table 35, Fig. 8). Long-term hardwood price indexes have been more stable than those for softwood lumber, ranging from a low of 91.7 in 2012 to a high of 145.0 in 1998.

Engineered wood products such as glulam, I-joists, and laminated veneer lumber (LVL) are forecast to increase steadily. Glulam production during 2013 was 230.1 million bf, up 12.9% from 2012 but down from the record high of 491 million bf in 2005 (Table 34, Fig. 9). A little over half of U.S. glulam goes to new residential construction and remodeling uses. Nonresidential construction consumes the next largest proportion of glulam production.

LVL production during 2013 was 53.4 million ft^3, up 15.8% from 1 year earlier but down from the 2005 record high of 91 million ft^3, whereas I-joist production was 421.9 million linear feet, up 17.6% from 2012 but down from the record high of 1,282 million linear feet in 2004. The volume of LVL production used for I-joist flanges has kept pace with I-joist production in recent years. In 2013, 90% of all I-joists were used in new residential construction. Approximately 3% were used in remodeling and 7% in nonresidential construction. A small volume of I-joists is exported to Japan.

New hybrid products such as wood or natural fiber–plastic composites continue to come on the market and now compete directly with traditional wood products. These new products are being used for decking, siding, roofing, and millwork. Production data for these new products are not available yet.

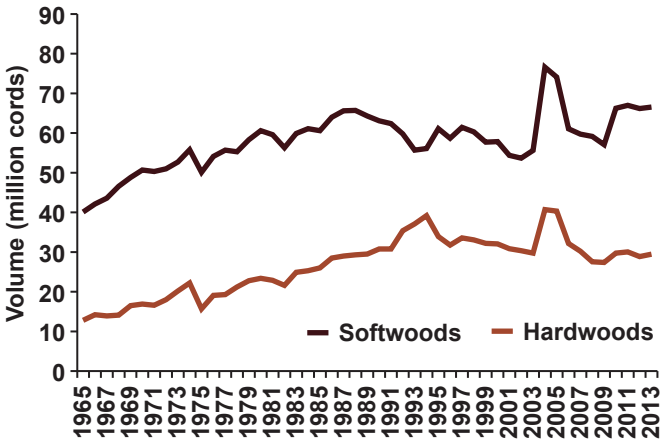


Figure 10. Pulpwood production by wood type, 1965–2013.

Woodpulp and Pulpwood Production, Prices, Trade, and Consumption

Total woodpulp production in U.S. mills in 2013 is estimated to be about 53.1 million tons based on data published by the American Forest and Paper Association (AF&PA) (Table 49). This is slightly above prior year levels but 16.7% 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, whereas the 2000s was the decade of consolidations and plant closures. Plagued by overcapacity and low commodity prices, the industry failed to earn its cost of capital throughout most of the 1990s. Negative growth during 2001 and 2002 was the first time that capacity had declined for two consecutive years during the 40 years that AF&PA has been compiling capacity data. Extending the downward trend that began in 2001, U.S. paper and paperboard capacity declined 0.8% in 2005, to 99.3 million tons. Paper and paperboard capacity declined 4.4% between 2000 and 2005. The AF&PA 54th Annual Capacity Survey revealed that paper and paperboard capacity in the United States declined to 1.1% in 2013 to a level of 87.3 million short tons and was smaller than the 1.6% capacity reduction recorded in 2012.

On the basis of the above volumes, related data on pulpwood production published by the AF&PA, which includes both roundwood and chips, shows an estimated 95 million cords in 2013 (Table 24, Fig. 10). This volume is about 5.1% below 2007 levels and below the record high level established in 1994. Pulpwood production has seen its fair share of ups and downs over the past decade. A downward trend that began in 1997 continued into 2002, but was interrupted by a brief increase in production between 2003 and 2005 that reversed the trend. This lengthy decline in pulpwood production coincided with the decline in woodpulp production. Mill shutdowns had a strong impact, with nearly 10 million tons of paper and paperboard capacity removed between 2000 and 2010. The slowdown in pulpwood production reversed in 2003 with the industry experiencing its second straight year of increased pulpwood production in 2004 (Table 24). Since 2004, however, pulpwood production has entered a period of volatility with an up and down production trend that continued into 2013. Softwood roundwood and chip production in 2013 was 63.2 million cords, down 1.6% from 2012 (Table 24). All three major producing regions in 2013 showed slight decreases in output. In the West, production of softwood in 2013 was at 4.5 million cords. Softwood output in the North held steady at 7.5 million cords. Southern softwood roundwood production was relatively unchanged in 2013 at 55.0 million cords. About 82% of U.S. softwood roundwood pulpwood produced came from southern forests.

Output of hardwood roundwood and chips in 2013 was 24.5 million cords, just below the 24.6 million cords in 2012. Although the output of hardwood pulpwood and chips gradually declined over the previous 4 years, the proportion of total round pulpwood and chips from hardwood species slowly increased. This reversed the downward trend that had started in 1994 and continued into 2013. 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 2013, hardwood pulpwood made up 27% of total U.S. pulpwood production. This was unchanged from 27% of pulpwood production of a year earlier. Further erosion in pulpwood demand is likely as capacity to produce paper and paperboard continues a downward trend that began in 2001 as electronic media demand continues to increase.

AF&PA data on pulpwood consumption in wood pulp production indicate that pulpwood production in the South in 2013 was 74.5 million cords down, a significant 18.0% from the high production year in 1994 when 90.8 million cords of pulpwood was produced (Table 25, Fig. 11).

The South accounted for more than 65% of total U.S. pulpwood production in the decade up to 2013. During 2013, the South accounted for 78%. All 14 States in the South contributed to the decline in pulpwood production noted above. However, this decrease was greatest in Georgia and Alabama, which together accounted 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 pulp mills in the South, 30% are located in Alabama and Georgia.

About 73% of the 54.6 million cords of round pulpwood harvested in the South in 2013 was softwoods. This proportion has been gradually falling over the past decade, and the trend continued into 2013. Southern softwood roundwood output has been decreasing since 2004, while hardwoods have held fairly steady from 2008 to 2013. Between 2003

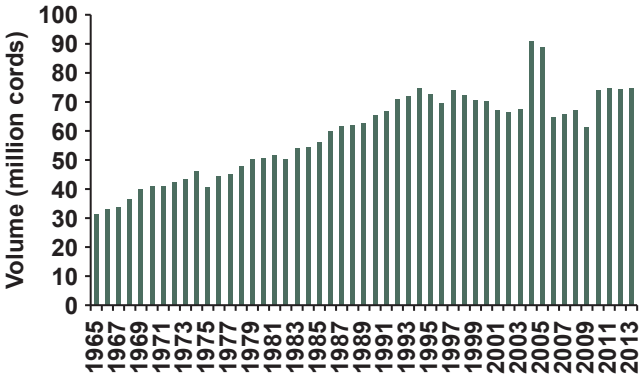


Figure 11. Pulpwood production in the U.S. South, 1965–2013.

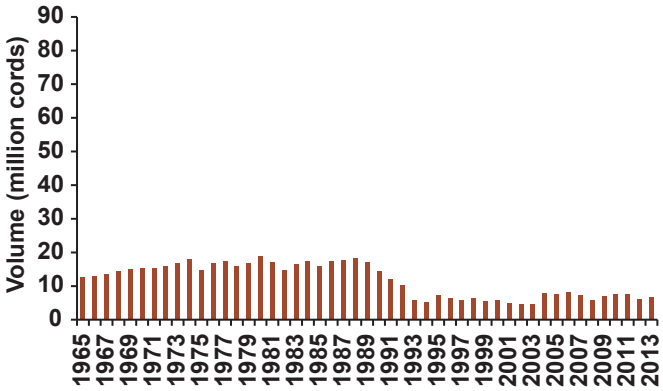


Figure 12. Pulpwood production in the U.S. West, 1965–2013.

and 2008, for example, hardwood roundwood production declined by an average of 0.1 million cords per year, while softwood roundwood decreased on average by 1.5 million cords per year since 2003.

Receipts of domestically produced pulpwood in the West leveled off after declining throughout the 1990s but began to decline again after 2005. Softwood production in the West has fallen in each year since 1988. Softwood production was 4.5 million cords in 2013, below 2004 levels of 5.8 million cords, and down from 18.4 million cords of production in 1988 (Table 25, Fig. 12). Chips accounted for roughly the same percentage of pulpwood production in 2013 as it did in 2005, declining slightly over the previous 3 years. Of the total production of pulpwood, roundwood, and chips, 73% was from softwood species. Production of hardwood roundwood has also held steady over the previous 3 years.

Data on domestically produced mill receipts indicate that pulpwood production in the North, roundwood plus chips, was 14.7 million cords in 2013, well below the 20.4 million cords produced in 2006 (Table 25, Fig. 13). About 49% of the total was from hardwood species, 6% below the proportion in 2006. About 72% of the total pulpwood output in the North was from roundwood, about equal to the proportion for the South in 2013. The use of chip residues in the North has been declining steadily, as it has in other U.S. regions.

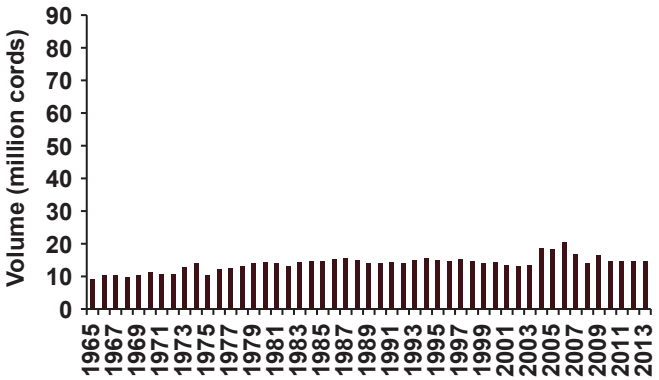


Figure 13. Pulpwood production in the U.S. North, 1965–2013.

Stumpage prices began to rebound in lower Louisiana and other areas in the South as the recovery from the current economic downturn that began in 2008 continued (Miller Freeman 2013). The increase in prices reflected also the contraction in both U.S. softwood and hardwood demand, as more than a quarter of the country's 186 pulp mills shut down since 1996. With stronger demand present in the market, pulpwood stumpage prices during 2013 moved higher than in 2005. 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** $41 per cord (2009 dollars), before falling to $19 per cord in 2013 (Table 26). Delivered pulpwood price for Southern Pine was $67 per cord in 2013, well below the record high in 1998 (Table 27).

Pulpwood prices vary a great deal among species and regions. In general, prices were historically 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. 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. Since 2001, the hardwood pulpwood price in Louisiana has exceeded the softwood pulpwood.

Pulpwood stumpage prices for most species followed the same trends as pulpwood prices and slowed during 1999 (Tables 26 and 27). In Louisiana for example, Southern Pine pulpwood stumpage decreased from $27.80 (2009 dollars) in 2007 to $19.32 (2009 dollars) in 2013. In contrast to softwoods, Louisiana hardwood stumpage prices increased from 2007 to 2010, rising 38%, as compared to a 17.5% increase from 2010 to 2013 for Southern Pine. Pulpwood and pulpwood stumpage prices have been quite volatile over the preceding 10 years. Most of the volatility has been due to falling capacity and industry restructuring as well as the current recession, resulting in lowered demand. The U.S. pulp and paper industry has brought capital spending to

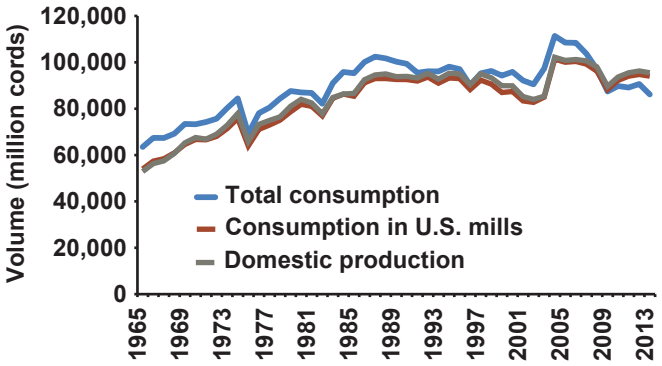


Figure 14. Total pulpwood production and consumption, 1965–2013.

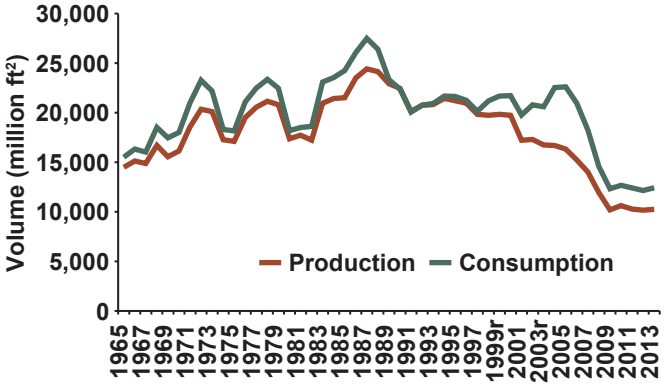


Figure 15. Total plywood production and consumption, 1965–2013.

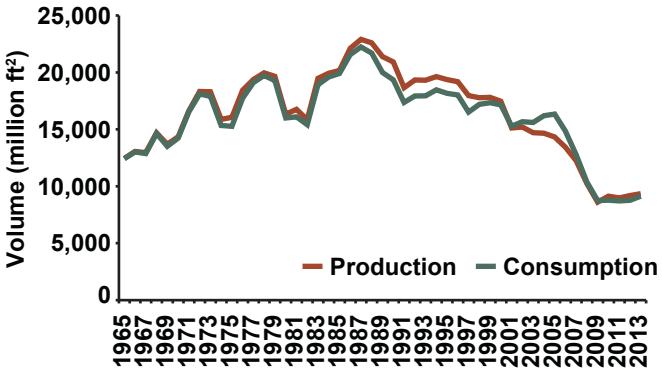


Figure 16. Softwood plywood production and consumption, 1965–2013.

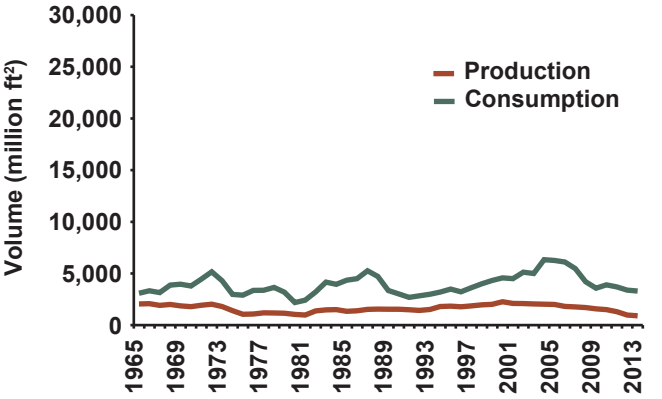


Figure 17. Hardwood plywood production and consumption, 1965–2013.

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 closing of marginal mills, further reducing the capacity base.

Apparent pulpwood consumption in U.S. mills in 2013 was an estimated 94.0 million cords (Table 24, Fig. 14). This was a decrease from the 95.0 million cords of consumption in 2012. In total, about 94.0 million cords of pulpwood domestic production plus net imports were required to meet the relatively flat demand for paper, paperboard, and pulp products in 2013. Wood requirements for exports amounted to an additional 1.6 million cords.

Plywood and Veneer Log Production, Prices, Trade, and Consumption

Softwood plywood production in 2013 was estimated at 9.3 billion square feet (3/8-inch basis) based on data published by APA–The Engineered Wood Association (APA) (Table 37, Figs. 15 and 16). This is slightly above production of the previous year. The rise in production during 2013 was the second consecutive year of production increases as the wood-using sector continued to strengthen recovering from the weaken state that resulted from the housing recession that began in 2008. OSB continued to increase its share of the market once dominated by plywood. For example, between 1994 and 2013, plywood production declined by 52%.

Historically, production of softwood plywood was concentrated in the West, chiefly in the Pacific Coast States of Washington, Oregon, and California. However, these three States during 2013 accounted for 32% of plywood production. In the years since the first plywood plant began production in the South, production in that region grew to 65% of plywood production before falling to 59% of production in 2013. For example, from 2004 to 2014, production in the South increased to 10.0 billion ft^2 (3/8-inch basis) in 2013, while falling to 3.0 million ft^2 in the West. Although the volume produced was down somewhat during the previous 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 2013 was from Southern Pine.

Hardwood plywood production increased slightly from 2012 to an estimated 1.7 billion ft^2 in 2013 (3/8-inch basis) (Table 37, Fig. 17). This volume is the highest since 2007,

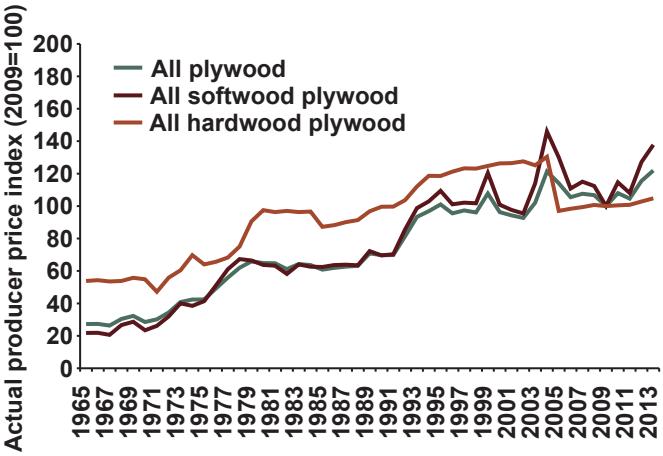


Figure 18. Actual producer price indexes for plywood, 1965–2013.

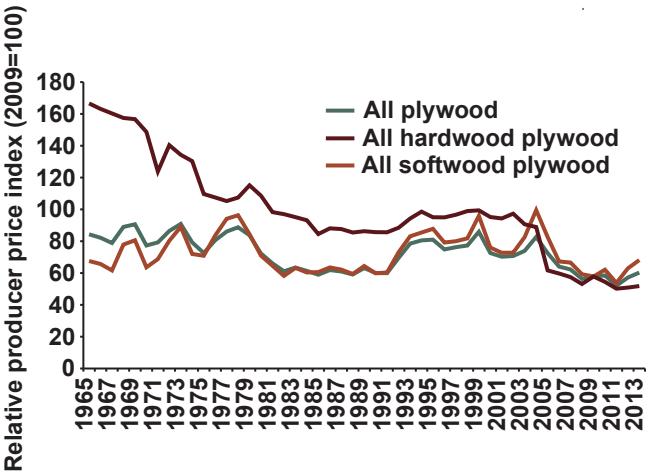


Figure 19. Relative producer price indexes for plywood, 1965–2013.

which continues the recent trend of small annual increases over the previous 3 years. Weak demand from the furniture, cabinetry, and fixtures sector was the main factor fueling the percentage decline in production. Stock hardwood plywood accounts for slightly more than half of all hardwood plywood produced. Of this amount, eastern producers, with their proximity to the hardwood forest resource, produce 60% of hardwood plywood, whereas western producers account for 38% of production, with the Great Lakes States making up the remainder.

Hardwood plywood producers use a wide range of species for the face veneers of their products. Red oak remains the most popular species at 35% of the market, followed by birch at 29% and maple at 17%. The cores used in the hardwood plywood industry vary from veneer plies at 63% of the market to MDF cores at 16%. The use of MDF and particleboard cores has increased steadily since 1991.

Softwood plywood prices as measured by the actual producer price index increased in 2013, the second consecutive year of increases after declining since the historical high of 146.0 reached in 2004 (Table 42, Fig. 18). The relative softwood plywood price index in 2013 was 68.1 (Table 42, Fig. 19). This was above the 2012 level.

Hardwood plywood prices trended slowly upward from 1999 until 2004, when they began a period of stability, below the 2004 level, and the stable trend continued into 2013 (Table 42, Figs. 18 and 19). The actual hardwood plywood price as indicated by the actual producer price index for 2013 was 104.8 (2009=100), below the 130.4 level registered in 2004 but slightly above 2012 levels. The relative index registered a slight increase for 2013, coinciding with the increase in actual producer price index.

Imports of softwood plywood, about 567 million ft^2 (3/8-inch basis) in 2013, increased 33% from 2012 (Table 37). Imports of softwood plywood are small relative to overall U.S. plywood consumption. Exports of softwood plywood were estimated at about 784 million ft^2 in 2013. Exports in 2013 were 6.7% below exports in 2012. After increasing since 2006, softwood plywood exports amounted to 8.4% of softwood plywood production in 2013.

Hardwood plywood imports in 2013 were 2.7 billion ft^2 (3/8-inch basis), 2.5% above the 2012 level. The 4.6 billion ft^2 level in 2004 was the highest level of imports since 1988, when 3.2 billion ft^2 was imported. The downward trend that continued through 2013 in hardwood plywood imports also echoed the trend observed in softwood plywood imports.

Softwood veneer imports were an estimated 1.7 billion ft^2 surface measure in 2013 (Table 40), a 5.5% increase from the 2012 volume of imports and composing about 66% of total veneer imports. Softwood veneer exports increased to 247.9 million ft^2 surface measure in 2013. This was a decrease of 3.6% from 2012.

This trend changed over the past decade, with Canada, Brazil, Malaysia, and the Russian Federation becoming major sources of hardwood plywood imports. Asia is still the largest source of U.S. hardwood plywood imports, accounting for 79% of all hardwood plywood imported to the United States in 2013 (Table 39). Since 2003, China has become the largest single country source of U.S. hardwood plywood imports, with 67% of total U.S. imports and 84% of all Asia imports to the U.S.

Imports of hardwood veneer, used chiefly in the manufacture of hardwood plywood in U.S. mills, totaled 890.0 million ft^2 (surface measure) in 2013 (Table 40). This was 12.6% above 2010 and 68.0% below the peak import year of 1972. Since 1995, imports of hardwood veneer fluctuated before declining each year since 2007. Hardwood plywood exports in 2013 totaled 199 million ft^2 (3/8-inch basis) (Table 37). This was 4.3% below 2010 levels of hardwood plywood exports. The decrease in exports represents a fall in demand from the European and Canadian markets. Canada, China, Indonesia, and the Russian Federation are the top

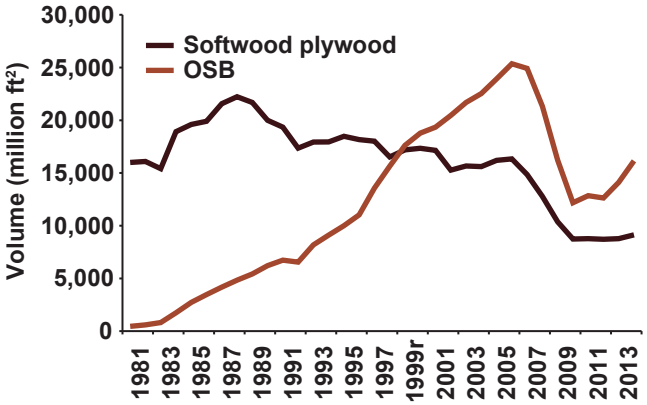


Figure 20. Softwood plywood and OSB consumption, 1965–2013.

four markets, representing nearly 90.0% of U.S. exports of these products (Table 39). Hardwood veneer exports were an estimated 375.0 billion ft^2 (surface measure) in 2013, 2.3% above 2012.

Consumption of softwood plywood in 2013 was an estimated 9.1 billion ft^2 (3/8-inch basis) (Table 37, Fig. 20). This is 59% below the record consumption in 1986 and represents the second consecutive year that softwood plywood consumption has increased since a peak of 22.2 billion ft^2 (3/8-inch basis). The small rise in consumption in 2013 occurred as OSB continued to erode softwood plywood market share. 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 are 54 plywood-producing mills and 37 OSB mills (APA–The Engineered Wood Association 2009). 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 reduced timber supplies from public lands.

Although OSB has increased its share in the previously dominated softwood plywood market, a strengthening residential construction market can explain some of the consumption increases for softwood plywood during 2013. Also important are nonresidential construction, manufacturing, maintenance, repair, and remodeling. The large proportion of single-family houses, which use more plywood per unit than multifamily structures, also contributed to the overall increase. These factors suggest that future changes in demand for softwood plywood will likely be closely related to changes in the volumes of residential construction and OSB production.

Apparent consumption of hardwood plywood rose 1.8% in 2013 to an estimated 4.2 billion ft^2 (3/8-inch basis) (Table 37, Fig. 16). This was 194 million ft^2 more than in 2012 and represented a discontinuation of the declining trend since 2005. The increase in hardwood plywood consumption in 2013 in part reflected the stronger U.S. housing market, an important market for hardwood plywood for wall paneling, kitchen cabinets, and door skins. Mobile home output also increased in 2013; mobile home production contributed to the increase.

In 2013, 65% of the hardwood plywood consumed in the United States was supplied by imports (Table 37). This has been the trend throughout the 1990s and into 2013, as hardwood plywood imports consistently account for at least 60% of hardwood plywood consumption.

Total softwood log exports increased 20.4% during 2013 from 2012 (Table 18). However, softwood log exports from the western United States increased dramatically as Douglas Fir log exports increased 21% in 2013 compared to 2012 but still are down over 55% since 1988. China surpassed Canada as the largest importer of logs from the United States in 2013, receiving 22% of U.S. softwood log exports. Canada was a close second, importing 21.0% from the United States, with Japan being a distant third. During 2013, log imports from Canada decreased slightly, but Canada remained the principal exporter of softwood logs to the United States. Softwood log imports historically accounted for more than 85% of all log imports (Table 16). In 2013, softwood log imports to the United States fell to 9.6%.

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

According to estimates of the National Particleboard Association, production of particleboard in 2013 totaled 2.3 billion ft^2 (3/4-inch basis), down slightly from 2012 and more than 50% below the peak year in 1999, when 4.8 billion ft^2 was produced (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.

Foreign trade in particleboard was insignificant before mid-1960 and very small through the early 1970s; however, both imports and exports experienced a period of growth during the 1980s and 1990s and remain at historical levels. In 2013, exports increased by 9.5% to an estimated 289 million ft^2 (3/4-inch basis). Imports of particleboard were 10.5% above the 2012 import level.

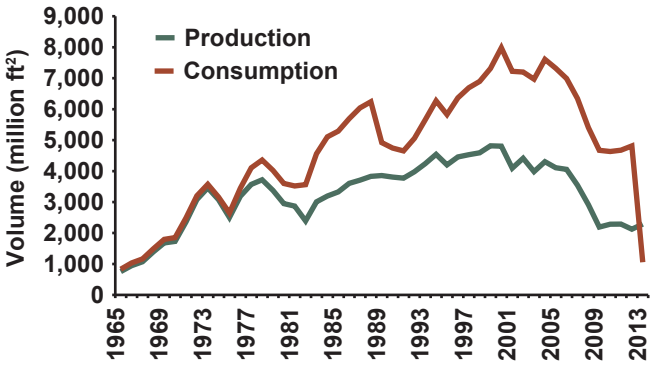


Figure 21. Particleboard production and consumption, 1965–2013.

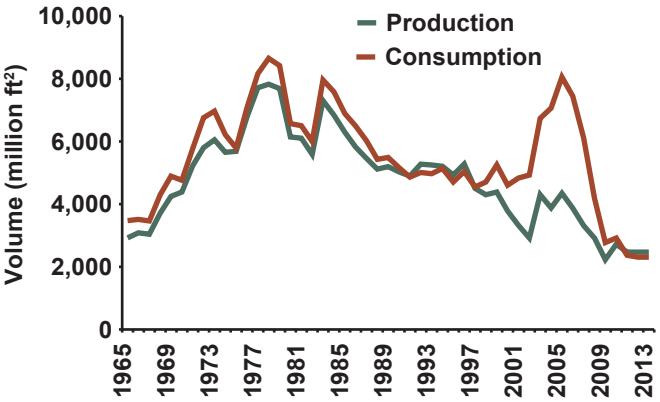


Figure 22. Hardboard production and consumption, 1965–2013.

Apparent consumption of particleboard increased 8.4% during 2013 compared to 2012 but remained flat into 2013.

Production of MDF in 2013 was 1.7 billion ft^2 (3/4-inch basis). This is up slightly from the 1.6 billion ft^2 of production in 2012 but 8.6 % below the record production year of 2007. 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.

Hardboard production in 2013 was estimated to be 2.1 billion ft^2 (1/8-inch basis) (Table 56, Fig. 22). This was 17.0% above 2012 but well below the high in 1978. Hardboard production has been trending down since 1978, when hardboard production was 7.8 billion ft^2.

Imports of hardboard in 2013 amounted to 712 million ft^2, 10.0% above 2012, reversing the downward trend of hardboard imports that started in 2007. Previous to 2007, hardboard imports had trended upward since 1993. Imports accounted for 57% of total U.S. hardboard consumption in 2008. Exports of hardboard, after a short-lived growth period between 2004 and 2008, declined further in 2013. Exports of hardboard, although declining, still account for 35% of total production.

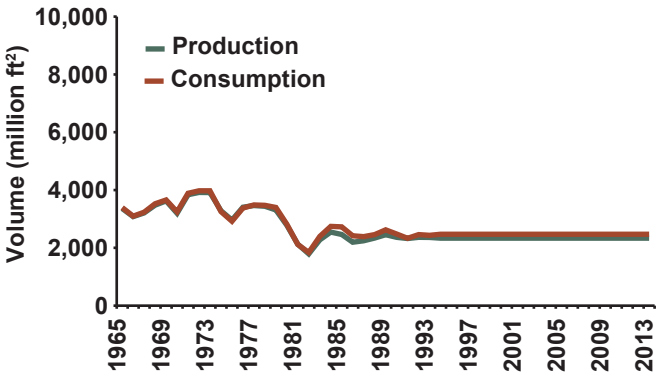


Figure 23. Insulation board production and consumption, 1965–2013.

Consumption of hardboard in 2013 was 2.1 billion ft^2, 66.0% below 2007. This decrease in consumption is partly a reflection of a smaller housing sector. Hardboard is used primarily in the construction industry for exterior siding in new residential construction. In 2013, about one-fourth of all hardboard consumed was for residential exterior siding.

Production of insulation board in 2013 was about 2.3 billion ft^2 (1/2-inch 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-term 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

Production of miscellaneous industrial roundwood products, which includes cooperage logs, poles and piling, fence posts, mine timbers, and an assortment of other products such as hewn ties and box bolts, was estimated at 230 million ft^3 in 2013. This volume declined annually over the previous 12 years until 2013, when an small increase in volume was recorded (Table 5a).

In 2013, wood energy use increased slightly from the previous year ago. Wood energy provided 2.0 quadrillion Btu (quad) of energy out of a total 99.9 quad consumed in the United States. This was equivalent to about 8.2 billion ft^3 of wood (Table 60). Sixty-four percent was in industrial use, mostly in the form of wood residue and black liquor at pulp and paper mills. The remainder was for residential use (24%), electric utilities (9%), and commercial buildings (3%). Total wood energy use declined about 23% from a high of 2.6 quad in 1983 (Fig. 24). The decline was led by

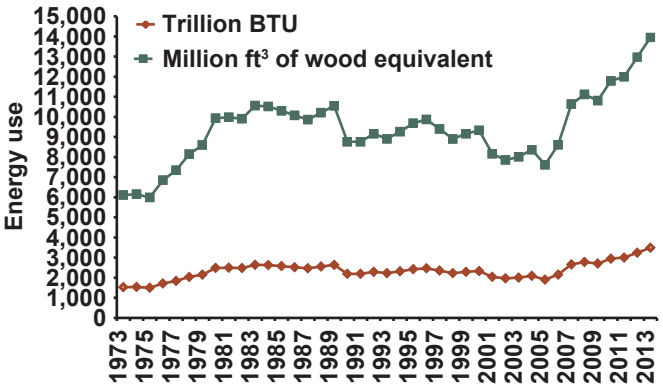


Figure 24. Wood energy use in the United States, 1965–2013.

declines in industrial and residential use. Electric utility use has increased fairly steadily since the early 1990s.

Production of round fuelwood in 2013 was estimated at 1.5 billion ft^3, up slightly from 2012. 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 wood pellets. Pellet fuel is a renewable, clean-burning heating alternative used in approximately 1 million homes in the United States. The estimated pellet industry capacity in 2013 was 10.2 million tons.

Criteria and Indicators of Sustainable Forest Management

The Montreal criteria and indicators (C&I) of sustainable forest management (SFM) include 7 criteria and 67 indicators that measure the diverse sets of values that society places on forest resources (USDA Forest Service 2011). The support and development of the C&I for the United States reflect the evolution of forest policies and priorities in forest management among the diverse stewards of U.S. forest resources. Six of the 19 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 primary and secondary processing (Indicator 25)
- Total and per capita consumption of wood and wood products in roundwood equivalents (Indicator 28)
- Value and volume in round wood equivalents of exports and imports of wood products (Indicator 30)
- Recovery or recycling of forest products as a percent of total forest products consumption (Indicator 33)

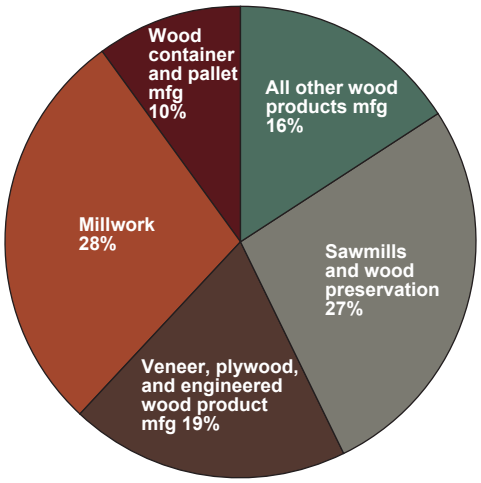
Measures of production, consumption, and value are important to the goals underlying sustainable forest management. These types of measures reflect the importance of forest resources in supplying raw materials for manufacturing and the value that society places on the production of wood and wood products. 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 needs of society.

Volume and Value of Wood and Wood Products Production

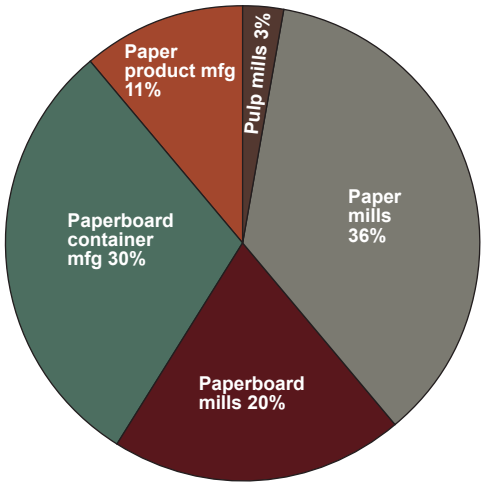
The total volume of wood products production (in roundwood equivalent inputs) in the United States, including fuelwood, decreased from 18 billion ft^3 in the late 1980s and early 1990s to 16.3 billion in 2006 before falling further to 13.6 billion ft^3 in 2013. The amount of primary wood and paper products produced in the United States increased relatively steadily from 82 million tons in 1950 to 220 million tons in 1991 and then declined to 140.2 million tons in 2013.

Of that production, approximately 70% and 30% was softwood and hardwood, respectively, in 2013, based on roundwood equivalent inputs (Tables 6a and 7a) (Howard and Westby 2013). Total value of shipments for wood, paper, and furniture industries, using SIC industry codes, increased between 1973 and 1996 from $288 to $356 billion (in 2005$). Between 1997 and 2011, using NAICS industry codes, shipments decreased 35% from $388 billion to $219 billion (in 2005$). The decrease was due to a 26% decline for paper industries, a 41% decline for furniture industries, and a 49% decline for wood products industries. The value of paper industry shipments decreased 15% between 2006 and 2011, from $122 to $138 billion (2005$), and fell from $107 to $55 billion for wood products shipments. Values also fell for wood furniture between 2006 and 2011, from $47 to $26 billion (2005$) (Fig. 25).

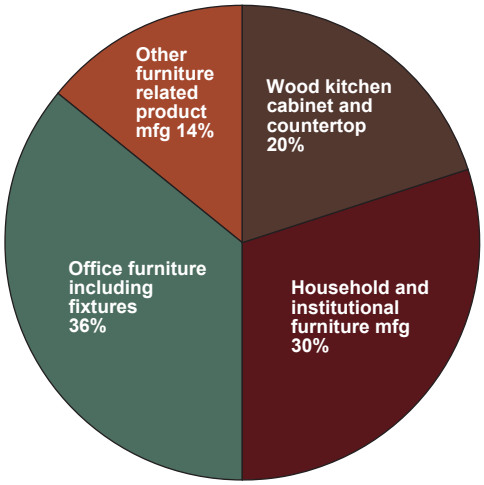
The total volume of sawnwood production decreased in proportion to other wood products, from 51% of industrial roundwood production in 1965 to 46% in 2005, before falling in 2011 to 39% (Table 5a). Nevertheless, the volume of sawnwood production increased by 23% over the 40-year period between 1965 and 2005; the lowest volume was 5.1 billion ft^3 in 1982 and the highest volume was 7.7 billion ft^3 in 2005. On average, the value of sawnwood production continued to increase in real terms (net of inflation), although in effect still recovering from sharp declines from the great recession that started in 2008 (Fig. 26). Meanwhile, the value added by sawnwood production remained fairly stable during the 1990s at around $8 billion in real terms before increasing to $11 billion in 2004 and then dropping to $9.8 billion in 2006. The volume of sawnwood production increased as much as 2.4 billion ft^3 from the low in 1982 to the current level of 7.7 billion ft^3 in 2005. Rising



Lumber and wood product manufacturing



Paper manufacturing



Furniture and related products manufacturing (excluding nonwood)

Figure 25. Value-added categories of wood and wood fiber products in 2009.

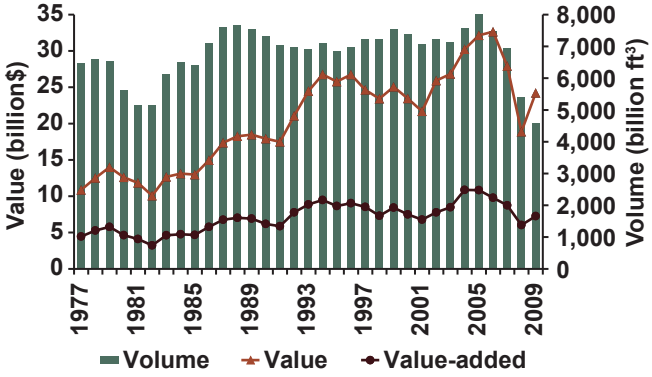


Figure 26. U.S. production and consumption of roundwood, 1977–2013.

real lumber prices are important drivers in the introduction of new technologies to use more species, small 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 below the level produced in 1965. Other wood-based panel production has increased since 1965. Current levels of plywood production remain well below the peak level of 22.8 billion ft^2 (3/8-inch basis) in 1987 (Table 37), and the total value of plywood shipments decreased slightly to $10.4 billion in 2006 and made up more than 24% of the total value-added of all wood products (Department of Commerce 2009).

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 important linkages between decreased income and decreased demand for pulp and paper products. Paper and board products by weight increased more than 116% since 1965 (Table 43). The value added of pulp and paper production has fluctuated widely during some periods, but was $80 billion in 2006 (Department of Commerce 2009). 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. The largest impact to the wood products sector results from the economic decline and reduced activity in the United States housing sector.

Total and per capita Consumption of Wood and Wood Products

In addition to knowing the historical 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

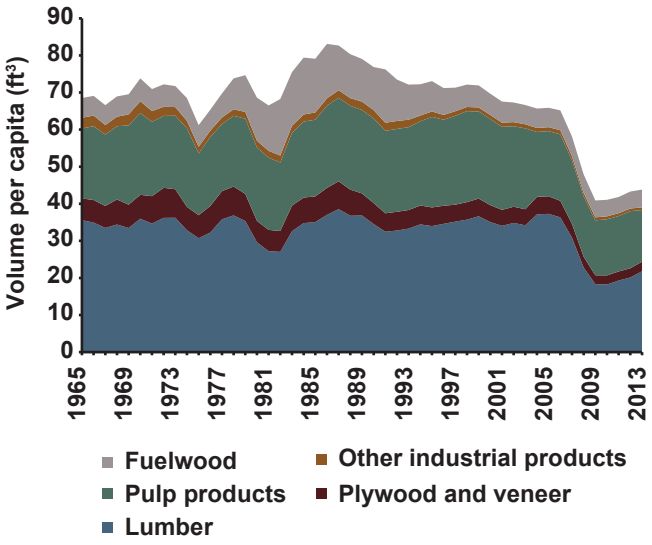


Figure 27. U.S. per capita consumption of wood products, 1965–2013.

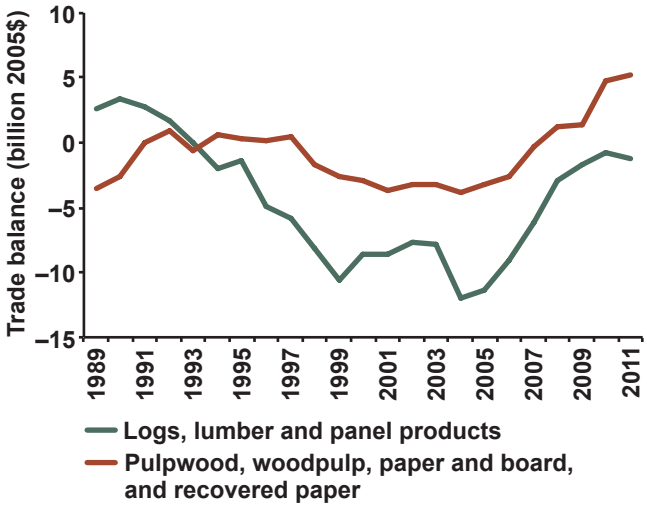


Figure 28. Net trade balance (exports – imports) in billion constant 2005 dollars in the United States, 1989–2011.

additional information gained with this measure, compared with production and value indicators, is that supply reflects all sources of wood, domestic and international. 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.

Per capita consumption of wood and paper products in 2013 was 39.0 ft^3, which was up slightly from the all-time low in 2009. In addition, 4.8 ft^3 of fuelwood was consumed per capita in 2013, an 11% reduction from 2006. Total consumption in 2013 for industrial products and fuelwood, excluding recovered paper, required 43.8 ft^3 roundwood equivalent of wood harvest per capita in the United States. Industrial products (excluding fuelwood) required 39 ft^3 per capita in 2013, down from 83.1 ft^3 per capita in 1986. In addition, 191 lb of recovered paper was consumed per capita in 2013, down from 238 lb in 2006. Per capita consumption of sawn wood for the United States and the world in total are, respectively, 8.6 and 5 ft^3 for 2013. Per capita consumption of paper and paperboard for the United States and the world in total are, respectively, 312 and 133 lb for 2013.

Value and Volume in Roundwood Equivalents of Exports and Imports of Wood Products

The deficit in U.S. production compared to U.S. consumption of industrial wood products (in roundwood equivalents) in 2013 was 287 million ft^3, which is less than nets imports in 1965, which were just over 1.0 billion ft^3, but quite a bit less than net imports in 2005, which were over 4.1 billion ft^3. The 2013 figure includes wood imports of 2.5 billion ft^3 and exports of 2.2 billion ft^3. Imports (in roundwood equivalents) constituted almost 18% of the volume consumed in 2013, compared to 12% in 1965 (Table 5a). Softwood lumber remains the primary import into the United States, approximately 70% or 1.6 billion ft^3 (in roundwood equivalent) of total wood imports in 2013 (Tables 5a and 6a).

The roundwood equivalent of total consumption of wood products in the United States had steadily increased until 2005, reaching a peak of 20.8 billion ft^3. Since 2005, however, total consumption of wood products has dropped drastically, reaching just 12.9 billion ft^3 in 2010 before rebounding to 13.8 billion ft^3 in 2013. Fluctuations in wood products flow reflect periods of economic downtowns and recovery as 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 resulted in relatively stable trends in per capita wood consumption at about 67 ft^3 over the previous decade (Fig. 27). Per capita consumption by wood products sector shows a fairly stable proportion of individual consumption of most products, with slight decreases in all sectors between 2005 and 2008. The great recession, which started in 2008, was the driving force behind the greatest downturn in the wood products sector of all time.

The value of the U.S. trade balance (the difference of exports – imports measured in million constant 2005 dollars) continued positive for most primary wood products in 2011 (Fig. 28). Trade in U.S. logs, paperboard, and recovered paper continued to have a positive trade value from 2006 to 2011, as did pulpwood and woodpulp. Paperboard was the product with the highest net trade value in 2011 at $3.4 billion (2005$). Recovered paper was second highest at $2.8 billion, followed by logs and woodpulp. Sawn wood continued its negative trade balance at an estimated $(–)1.6 billion in 2011.

Recovery or Recycling of Forest Products as a Percentage of Total Forest Products Consumption

Traditionally, recovery and recycling in the forestry sector have been associated primarily with paper and paper products, namely newsprint and office waste paper. The majority of available data reflect these productions. Recently, research and data on recycling of solid wood materials from demolished structures, construction sites, and mill residues reflect the increasing value that society places on forest resources. Paper and paperboard recycling has increased steadily over the past few decades, with substantial increases in the 1990s. As of 2013, paper and paperboard was being recovered in the United States at a rate of 63.5%, up from 22% in 1970, while utilization of recovered paper was at 37%, up from 25% in 1965 (Tables 46 and 47) (American Forest & Paper Association 2013).

Literature Cited

American Forest & Paper Association. 2013. Paper, paperboard, and wood pulp statistical summary. [monthly] Washington, DC. p. 3,7,9.

USDA Forest Service, National Report on Sustainable Forests–2010. June 2011.

APA–The Engineered Wood Association. 2009. Regional production and market outlook for structural panels and other engineered wood products. 2007-2012. Rep. E73. Tacoma, WA: APA–The Engineered Wood Association.

Department of Commerce. 2009. Statistics for industry groups and industries. Annual survey of manufactures. M(AS-1). Washington, DC: U.S. Department of Commerce, Economics and Statistics Administration, Bureau of the Census. http://www.census.gov/mcd/asm-as1.html

Howard, J.L.; Westby, R.M. 2013. U.S. timber production, trade, consumption and price statistics 1965–2011. FPL–RP–676. Madison, WI: U.S. Department of Agriculture, Forest Service, Forest Products Laboratory. 91 p.

Miller Freeman. 2013. International Woodfiber Report.

Annotated Bibliography

1. **Adams, D.** Timber assessment market model database [unpublished]. Portland, OR: Oregon State University.
Hardwood and softwood lumber production.

2. **American Forest & Paper Association**. Bilateral trade. [monthly]. Washington, DC.

3. **American Forest & Paper Association**. Paper, paperboard, and wood pulp statistical summary. [monthly]. Washington, DC. p. 3, 7, 9.
Production, imports, and exports of paper, paperboard, and wood pulp; pulpwood consumption; and related subjects.

4. **American Forest & Paper Association**. Wood statistical roundup—statistical supplement. [monthly and quarterly].Washington, DC. p. 2, 4.
Lumber production, shipments, orders, stocks, trade, and other related subjects.

5. **American Forest & Paper Association**. Statistics of paper, paperboard, and wood pulp. [annual—1977, 1982, 1985, 1990, 1995, 1998–2013]. Washington, DC.
Production, shipments, imports, and exports of paper, paperboard, and wood pulp; financial data on the paper industry and related subjects.

6. **American Forest & Paper Association**. U.S. wood pulp data. [monthly]. Washington, DC.
U.S. and Canadian pulp production by grade, use, shipment, and inventory.

7. **American Forest & Paper Association, Paper Recycling Group**. Statistical summary of recovered paper utilization; wood pulp, recovered paper, pulpwood fiber consumption. [annual–2004–2013]. Washington, DC.
U.S. recovered paper usage by grade, region, and end use; quantitative data on consumption.

8. **American Iron and Steel Institute.** Statistical report. [annual]. Washington, DC. Table 10.

9. **American Pulpwood Association**. Pulpwood summary. [monthly]. New York.
Pulpwood consumption, domestic receipts, imports, and inventories by region and type of wood.

10. **American Pulpwood Association**. Pulpwood statistics. [annual]. Washington, DC. Table 9.
Pulpwood consumption, receipts, and inventories by region, state, and type of pulpwood.

11. **APA–The Engineered Wood Association**. APA economics report. Curr. Pub. E67. Tacoma, WA. Table 7.
Quantitative data on demand for structural panel products in North America.

12. **APA–The Engineered Wood Association**. APA structural panel statistics. [weekly]. Tacoma, WA.
Structural panel production, capacity, orders, and shipments.

13. **APA–The Engineered Wood Association**. Regional production and distribution patterns of the structural panel industry. [monthly]. Tacoma, WA. Tables 1, 6.
Structural panel production by major producing regions, shipments to major trading areas, description of market condition, and economic factors that affect production.

14. **Canadian Pulp and Paper Association**. Personal fax communication, June 1999. Montreal, Quebec, Canada.
Canadian exports of newsprint by destination; Canadian

shipments of uncoated mechanical papers to the United States.

15. **Composite Panel Association**. Particleboard and MDF production and shipments. [annual] Silver Spring, MD. *Particleboard and MDF production, shipments, number of plants, value of shipments, and other related subjects.*

16. **Conference Board**. Internet site that allows retrieval of business cycle indicators. Internet address: www.conference-board.org
Allows access to leading, coincident, lagging, and consumer confidence indices.

17. **Cornell University.** Agricultural Experiment Station. 1932. Wholesale prices for 213 years, 1720–1932. Memoir 142. Ithaca, NY.
Estimates of wholesale prices for various commodities, 1720–1932.

18. **Forest Resources Association**. Pulpwood statistics. [annual–old 12]. Washington, DC.
Pulpwood consumption, receipts, and inventories by region, State, and type of pulpwood.

19. **Hardwood Market Report**. [monthly]. www.hmr.com. *The latest in industry news, in-depth market and pricing analysis, and insightful commentary.*

20. **Howard, J.L.; Westby, R.M.** 2013. U.S. timber production, trade, consumption and price statistics 1965-2011. Res. Pap. FPL–RP–676. Madison, WI: U.S. Department of Agriculture, Forest Service, Forest Products Laboratory. 99 p.

21. **Howard, J.L., Quevedo, E.; Kramp, A.** 2009. Use of indexing to update U.S. annual timber harvest by state. FPL–RP–653. Madison, WI: U.S. Department of Agriculture, Forest Service, Forest Products Laboratory. 30 p.

22. **Ince, P.** 2000. U.S. industrial roundwood product output per cubic foot of industrial roundwood. Res. Note FPL–RN–272. Madison, WI: U.S. Department of Agriculture, Forest Service, Forest Products Laboratory. 14 p.

23. **Ingram, C.D.; Ince, P.J.; Mehlberg, R.L.** 1999. United States pulpwood receipts, softwood and hardwood, roundwood and residues, 1953–1996. Gen. Tech. Rep. FPL–GTR–115. Madison, WI: U.S. Department of Agriculture, Forest Service, Forest Products Laboratory. 34 p.

24. **Bentley, J.W.; Steppleton, C.D.** 2013. Southern pulpwood production, 2011. Resour. Bull. SRS–194. Revised. Asheville, NC: U.S. Department of Agriculture Forest Service, Southern Research Station. 38 p.

25. **Louisiana Department of Agriculture, Office of Marketing**. Louisiana forest products market report. [quarterly]. Baton Rouge, LA. Internet address: www.ldaf.state.la.us
Stumpage and delivered prices of saw logs and pulpwood for selected species and delivered prices of poles and pine stumps.

26. **Luppold, G.W.; Dempsey, P.G.** 1989. New estimates of central and eastern U.S. hardwood lumber production. Northern Journal of Applied Forestry. 6(3).

27. **Manufactured Housing Institute**. Monthly manufactured home production and shipments Internet address: www.mfghome.org/statistics/

28. **National Association of Builders**. Housing economics. [monthly]. Washington, DC. p. 3.

29. **National Association of Home Builders**. Annual housing starts (1978–current year). Internet address: www.nahb.org/

30. **Natural Resources Canada**, Canadian Forest Service, Industry, Economics, and Programs Branch. Selected forestry statistics Canada. [annual]. Ottawa, ON.

31. **Naval Stores Review**. International yearbook. [annual]. New Orleans, LA.

32. **New Hampshire University**, Cooperative Extension Service and New Hampshire Department of Resources and Economic Development. Market pulse, NHTOA quarterly.
Forest products market report, first, second, third, and fourth quarters. Median and range of prices of species in North, Central, and South regions.

33. **Pine Chemicals Association, Inc**. Monthly summary. Atlanta, GA. Internet address: www.pinechemicals.org/

34. **Powell, D.S.; Faulkner, J.L.; Darr, D.R.; Zhu, Z; MacCleery, D.W.** 1993. Forest resources of the U.S., 1992. Gen. Tech. Rep. RM–GTR–234. (Revised, June 1994). Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station.
Data from periodic surveys of the forest resources by State and Forest Service region–land areas by class of land, timberland area by ownership, net volume of timber on timberland by class and species group, and related data.

35. **Skog, K.** 2008. Sequestration of carbon in harvested wood products for the United States. Forest Products Journal. 58(6): 60. Table 2.

36. **Statistics Canada**, Industry Division. Production, shipments, and stocks on hand of sawmills in British Columbia. [monthly]. Ottawa, ON.
Estimates of production, shipments (by destination), and stocks by species for interior and coast mills.

37. **Statistics Canada, Industry Division**. Production, shipments, and stocks on hand of sawmills east of the Rockies. [monthly]. Ottawa, ON.

Estimates of production, shipments (by destination), and stocks by species and providence (excluding Newfoundland and Prince Edward Island; price information for some species).

38. **Statistics Canada, Industry Division**. Wood industries. Census of manufacturers of wood industries. [annual]. Ottawa, ON.
Number of industries, employment, wages, shipments, material and supplies, and related subjects; figures on lumber production by Province.

39. **Timber Mart–South**. Daniel B. Warnel, School of Forest Resources, University of Georgia. [quarterly]. Athens, GA. Table: Yearly Summary Delivered Timber. Internet address: www.tmartsouth.com/tmart/contact.html
A brief, easy-to-read, quarterly report of the market prices for timber products of the Southeast.

40. **United Nations**, Food and Agriculture Organization, Economic Commission for Europe. European timber trends and prospects: into the 21st Century. Geneva timber and forest study papers, No. 11 [annual]. Geneva, Switzerland.
Projections of European supply, demand, and trade for timber products.

41. **United Nations, Food and Agriculture Organization**. Forestry database: FAOSTAT. Internet address: www.fao.org
Historical data to 1998 on production and trade of pulp and paper products, and other wood products.

42. **U.S. Council of Economic Advisors**. Economic indicators. [monthly]. Washington, DC: Superintendent of Documents, U.S. Government Printing Office. p. 1, 2, 6, 10, 23, 30, 35.
Output, income, and spending; employment, unemployment, and wages; production and business activity; prices; money, credit, and security markets; Federal finance; and other related subjects.

43. **U.S. Council of Economic Advisors**. Economic report of the President. [annual]. Washington, DC: Superintendent of Documents, U.S. Government Printing Office.
Detailed description of the economic situation at the beginning of each year; comprehensive series of historical statistics on national income, population, employment, wages, productivity, business activity, prices, money supply, finance, corporate profits, agriculture, international trade, and other related subjects.

44. **U.S Department of Agriculture, Foreign Agriculture Service**. Global Agricultural Trade System Online. http://www.fas.usda.gov/gats/default.aspx.
Interactive database containing data on imports and exports of commodities identified by trade codes.

45. **U.S. Department of Agriculture, Forest Service**. Bulletin of hardwood market statistics: first, second, and third quarters [quarterly]. Princeton, WV.

46. **U.S. Department of Agriculture, Forest Service.** Production, prices, employment, and trade in Northwest forest industries. [quarterly]. Portland, OR: Pacific Northwest Forest and Range Experiment Station.
Current information on the timber situation in the West; data on log, lumber and plywood production, and prices; employment in the forest industries; international trade in logs and lumber; volume and average prices of stumpage sold by public agencies; and related subjects.

47. **U.S. Department of Agriculture, Forest Service**. Pulpwood prices in the Mid-South. Res. Note SO. [annual]. New Orleans, LA: U.S. Department of Agriculture, Forest Service, Southern Forest Experiment Station.
Pulpwood prices in U.S. Mid-South, by wood type (hardwoods and softwoods) and purchase point.

48. **U.S. Department of Agriculture, Forest Service**. Pulpwood production in the North Central region by county. [annual]. St. Paul, MN: North Central Forest Experiment Station.
Pulpwood production in the Lake and Central States by state, county, and species.

49. **U.S. Department of Agriculture, Forest Service**. Pulpwood production in the Northeast. [annual]. Radnor, PA: Northeastern Forest Experiment Station.
Pulpwood production by State and species group, wood pulp production, and location and name of pulp producers in the Northeast.

50. **U.S. Department of Agriculture, Forest Service**. Southern pulpwood production. [annual]. Asheville, NC: Southern Forest Experiment Station, and New Orleans, LA: Southern Forest Experiment Station.
Pulpwood production in 12 southern States by species, group, State, and county.

51. **U.S. Department of Agriculture, Forest Service**. Volume and value of sawtimber stumpage sold from National Forests, by selected species and region. [quarterly and annual]. Washington, DC.
Stumpage prices of timber sold from National Forests by selected species and region.

52. **U.S. Department of Agriculture, Forest Service**. The demand and price situation for forest products, 1964. Misc. Pub. 983. Washington, DC: Superintendent of Documents, U.S. Government Printing Office.
Historical data on U.S. timber production, trade, consumption, and prices.

53. **U.S. Department of Agriculture, Forest Service**. 1989. An analysis of the timber situation in the United States 1952–2040. GTR–RM–199. Washington, DC. p. 262, Table B-7.

Comprehensive survey and analysis of present and prospective timber demand, supply, and prices in the United States.

54. **U.S. Department of Agriculture, Forest Service**. Forest resources of the United States, 1997, 2002 & 2007. NC–GTR–219. St. Paul, MN: North Central Research Station. Table 39.
Current National Forest resource statistics by ownership, region, or State. Providing information on forest area, volume, mortality, growth, removals, and timber products output.

55. **U.S. Department of Agriculture, Forest Service**. 2011. National report on sustainable forests—2010. FS–979. Washington, DC. 209 p.

56. **U.S Department of Agriculture, Forest Service**. Cut and sold reports. [annual].
Volume and value of timber cut and sold from the National Forest System and the National Grasslands.

57. **U.S. Department of Commerce, Bureau of the Census**. Hardwood plywood. Curr. Ind. Rep. Ser. MA321T. Washington, DC.
Production and shipments of hardwood plywood by type of plywood, geographic division, and face species.

58. **U.S. Department of Commerce, Bureau of the Census**. Manufacturing & Construction Division Curr. Ind. Rep. MQ327D. [quarterly and annual]. Washington, DC. Table 1. *Production and shipments of clay construction products*.

59. **U.S. Department of Commerce, Bureau of the Census**. Manufacturing & Construction Division Tables Q6 and "Selected characteristics of new manufactured homes placed for residential use, by region. Washington, DC."
Manufacturing, mining, and construction statistics.

60. **U.S. Department of Commerce, Bureau of the Census**. Housing completions. Constr. Rep. C 22. [monthly]. Washington, DC. Superintendent of Documents, U.S. Government Printing Office.
Number of houses completed in the United States by structure type, ownership, region, and metropolitan statistical area.

61. **U.S. Department of Commerce, Bureau of the Census**. Housing starts. Constr. Rep. C 20. [monthly]. Washington, DC: Superintendent of Documents, U.S. Government Printing Office.
Number of houses started in the United States by structure type, ownership, region, and metropolitan statistical area; information on shipments of mobile homes.

62. **U.S. Department of Commerce, Bureau of the Census**. Lumber production and mill stocks. Curr. Ind. Rep. Ser. MA24T & MA–321T. [annual]. Washington, DC.
Lumber production by major species, producing region, and State.

63. **U.S. Department of Commerce, Bureau of the Census**. New one-family houses sold and for sale. Constr. Rep. C 25. [monthly and annual]. Washington, DC: Superintendent of Documents, U.S. Government Printing Office.
Number of privately owned, one-family homes sold and for sale in the United States by stage of construction and sale price.

64. **U.S. Department of Commerce, Bureau of the Census**. Particleboard. Curr. Ind. Rep. Ser. MA–24L. [annual]. Washington, DC.
Production of particleboard by State, production by type, shipments, and resin consumption.

65. **U.S. Department of Commerce, Bureau of the Census**. Population characteristics. Curr. Pop. Rep. Ser. P-20-537. [monthly]. Washington, DC. Superintendent of Documents, U.S. Government Printing Office.
Estimates of households, families, marital status, fertility, and related data.

66. **U.S. Department of Commerce, Bureau of the Census**. Population estimates and projections. Curr. Pop. Rep. Ser. P–25. [monthly]. Washington, DC: Superintendent of Documents, U.S. Government Printing Office.
Estimates of U.S. population by type and month.

67. **U.S. Department of Commerce, Bureau of the Census.** Pulp, paper, and board. Curr. Ind. Rep. Ser. MA–26A. [annual]. Washington, DC.
Pulpwood receipts, consumption, and inventories; wood pulp production, transfers, and inventories; paper and board shipments by grades; and other subjects.

68. **U.S. Department of Commerce, Bureau of the Census.** Residential alterations and repairs. Constr. Rep. C 50. [quarterly and annual]. Washington, DC: Superintendent of Documents, U.S. Government Printing Office. Table 2. Internet address: www.census.gov/const/www/c50index.html
Regional data on expenditures for additions, alterations, maintenance, repairs, and replacements for all residential units and for owner occupants of one-housing unit properties.

69. **U.S. Department of Commerce, Bureau of the Census**. Softwood plywood. Curr. Ind. Rep. Ser. MA–24H. [annual]. Washington, DC.
Production of softwood plywood and veneer and consumption of softwood veneer logs.

70. **U.S. Department of Commerce, Bureau of the Census**. Statistics for industry groups and industries. M (AS–1). Washington, DC. www.census.gov/prod/www/abs/industry.html

71. **U.S. Department of Commerce, Bureau of the Census**. U.S. exports/schedule E commodity by country. FT 410. [monthly]. Washington, DC: Superintendent of Documents, U.S. Government Printing Office.
Volume and value of exports by product and country of destination. Exports of lumber are broken down by major species and grade.

72. **U.S. Department of Commerce, Bureau of the Census**. U.S. imports for consumption and general imports/TSUSA commodity by country of origin. FT 246. [annual]. Washington, DC: Superintendent of Documents, U.S. Government Printing Office.
Volume and value of imports by product and country of origin. Imports of lumber are broken down by major species and grade.

73. **U.S. Department of Commerce, Bureau of the Census**. Value of new construction put in place. Constr. Rep. C 30. [monthly]. Washington, DC: Superintendent of Documents, U.S. Government Printing Office. Table 1.
Value of new construction put in place by type of construction.

74. **U.S. Department of Commerce, Bureau of the Census**, and U.S. Department of Housing and Urban Development. Characteristics of new housing. [annual]. Constr. Rep. C 25. Washington, DC: Superintendent of Documents, U.S. Government Printing Office.
Housing completions by type of structure and location.

75. **U.S. Department of Commerce, Bureau of Economic Analysis**. Survey of current business. [monthly]. Washington, DC: Superintendent of Documents, U.S. Government Printing Office.
Gross national product, national income, personal income and outlays, foreign transactions, and other national subjects.

76. **U.S. Department of Commerce, Bureau of Industrial Economics**. Constr. Rev. [monthly]. Washington, DC: Superintendent of Documents, U.S. Government Printing Office, Washington, DC.
Volume of construction, costs, employment, and related subjects.

77. **U.S. Department of Energy, Energy Information Administration**. Monthly energy review. www.eia.doe.gov/emeu/mer/renew.html

78. **U.S Department of Energy, Information Administration**. Monthly energy review. [Table 47 cites 88 as an AF&PA pub]. www.eia.doe.gov/emeu/mer/renew.html

79. **U.S. Department of Labor, Bureau of Labor Statistics**. Employment and earnings, United States.
Employment and earnings of individual nonagricultural industries in the United States.

80. **U.S. Department of Labor, Bureau of Labor Statistics**. Producer prices and price indexes. [monthly and annual]. Washington, DC.
Prices and price indexes of several hundred commodities, including selected lumber items of important commercial species and of plywood, pulp, and paper items.

81. **U.S. Department of Labor, Bureau of Labor Statistics**. The CPI detailed report. [monthly]. Washington, DC: Superintendent of Documents, U.S. Government Printing Office.
Consumer price indexes for goods and services usually bought by all urban consumers and by urban wage earners and clerical workers.

82. **U.S. Department of Labor, Bureau of Labor Statistics**. 1979. Employment and earnings, United States, 1909–78 and supplements. Washington, DC: Superintendent of Documents, U.S. Government Printing Office.
Employment and earnings of individual nonagricultural industries in the United States.

83. **U.S. Federal Reserve System, Board of Governors**. Federal Reserve Bulletin. [monthly and annual]. Curr. Pub. G.5A (405). Washington, DC
Interest rates; security prices; Federal and business finances; selected indexes on business activity, and wholesale and consumer prices; sales, profits, and dividends of large manufacturing corporations; and related subjects.

84. **U.S. Federal Reserve System**, Board of Governors. Industrial production. [monthly]. Washington, DC. Indexes of industrial production by market and industry.

85. **U.S. Geological Survey**. Mineral commodity summaries. [annual]. Reston, VA. p. 44.

86. **U.S. International Trade Commission**. Interactive tariff and trade data web. Internet address: www.dataweb.usitc.gov/
Interactive database containing Department of Commerce data on imports and exports of commodities identified by trade code.

87. **U.S. International Trade Commission**. U.S. trade shifts in selected industries. [annual].
Volume and value data on imports and exports of timber products.

88. **Western Wood Products Association**. Western lumber facts. [weekly]. Portland, OR.
Softwood lumber production, orders, shipments, stocks, and realization value in the western woods region by major species.

89. **Western Wood Products Association**. Lumber track. [monthly]. Portland, OR. Dec. issue.
Review of North American lumber statistics, including trade highlights and key markets.

90. **Wood Markets**. International Solid Wood Report. [monthly]. Curr. Pub. Dec.–Jan. Table 2. Vancouver, BC, Canada: International Wood Markets Research Inc. Internet address: www.woodmarkets.com
Special report: U.S./Canada lumber outlook.

91. **Wood Preservers Institute**. The 1996 wood preserving industry production statistical report. [annual]. Fairfax, VA.
Volume and value of wood preservatives and wood products treated with preservatives.

Table 1—Measures of economic growth, population, and prices, 1965–2013

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[g]	Population[a]	Index of industrial production				Producer price index all commodities[f]	Consumer price index all items[a]
											Total industrial production[a,e]	Manufacturing[a,e]	Furniture and fixtures[e,a]	Paper and products[e,a]		
	Billion current dollars	*Billion 2009 dollars*	*Billion current dollars*	*Billion 2009 dollars*	*Billion current dollars*	*Billion 2009 dollars*	*Billion 2009 dollars*	*Thousand units*	*Thousand units*	*Millions*	*2009=100*	*2009=100*	*2009=100*	*2009=100*	*2009=100*	*2009=100*
1965	719.1	3,957.6	493.9	2,718.2	81.9	450.7	226.7	1,473	217	194.3	47.1	45.4	41.2	46.2	18.7	14.7
1966	787.8	4,215.1	533.7	2,855.5	85.8	459.1	255.0	1,165	217	196.6	51.3	49.5	44.4	50.0	19.3	15.1
1967	833.6	4,328.1	571.9	2,969.4	87.2	452.8	251.5	1,292	240	198.7	52.4	50.4	44.4	50.0	19.3	15.6
1968	910.6	4,530.3	621.4	3,091.5	96.8	481.6	262.5	1,508	318	200.7	55.3	53.3	45.9	52.8	19.8	16.2
1969	982.2	4,661.6	668.4	3,172.3	104.9	497.9	282.4	1,467	413	202.7	57.9	55.6	48.1	56.8	20.6	17.1
1970	1,035.6	4,667.0	727.1	3,276.7	105.9	477.2	280.8	1,434	401	205.1	56.0	53.0	45.0	56.2	21.3	18.1
1971	1,125.4	4,819.7	790.2	3,384.2	122.4	524.2	280.6	2,052	497	207.7	56.7	53.9	46.8	58.7	22.1	18.8
1972	1,237.3	5,075.1	855.3	3,508.2	139.1	570.5	306.1	2,357	576	209.9	62.2	59.5	56.5	73.4	23.0	19.5
1973	1,382.6	5,365.2	965.0	3,744.7	153.8	596.8	350.7	2,045	567	211.9	67.3	64.8	60.2	79.5	26.1	20.7
1974	1,496.9	5,346.1	1,054.2	3,765.0	155.2	554.3	353.5	1,338	329	213.9	66.9	64.6	56.1	83.1	30.9	23.0
1975	1,630.6	5,332.2	1,159.2	3,790.7	152.6	499.0	318.4	1,160	213	216.0	60.8	57.8	48.0	71.9	33.8	25.1
1976	1,819.0	5,612.5	1,273.0	3,927.8	172.1	531.0	334.1	1,538	246	218.0	65.5	62.9	53.6	79.5	35.4	26.6
1977	2,026.9	5,868.3	1,401.4	4,057.3	200.5	580.5	371.6	1,987	277	220.2	70.3	68.2	60.0	82.9	37.6	28.3
1978	2,291.4	6,204.7	1,580.1	4,278.6	239.9	649.6	424.1	2,020	276	222.6	74.2	72.4	65.4	86.4	40.4	30.4
1979	2,557.5	6,406.6	1,769.5	4,432.6	272.9	683.6	466.6	1,745	277	225.1	76.4	74.5	67.0	87.8	45.5	33.8
1980	2,784.2	6,404.9	1,973.3	4,539.5	273.9	630.1	466.3	1,292	222	227.7	74.3	71.7	65.3	87.6	52.0	38.4
1981	3,115.9	6,559.8	2,200.2	4,632.0	289.1	608.6	492.6	1,084	241	230.0	75.2	72.4	65.9	88.8	56.7	42.4
1982	3,242.1	6,435.3	2,347.3	4,659.2	279.3	554.4	474.2	1,062	240	232.2	71.2	68.4	62.7	87.2	57.9	45.0
1983	3,514.5	6,700.7	2,522.4	4,809.2	311.6	594.1	469.4	1,703	296	234.3	73.1	71.5	70.9	92.7	58.6	46.4
1984	3,902.4	7,174.8	2,810.0	5,166.4	369.0	678.4	552.0	1,750	295	236.3	79.6	78.6	80.5	97.7	60.0	48.5
1985	4,180.7	7,453.6	3,002.0	5,352.1	401.4	715.6	589.0	1,742	284	238.5	80.5	79.9	82.3	95.5	59.7	50.2
1986	4,422.2	7,716.3	3,187.6	5,562.0	429.9	750.1	573.1	1,805	244	240.7	81.3	81.6	86.3	99.5	57.9	51.1
1987	4,692.3	7,957.1	3,363.1	5,703.1	441.6	748.9	572.5	1,621	233	242.8	85.1	86.0	91.7	102.9	59.5	53.0
1988	5,049.6	8,284.8	3,640.8	5,973.4	455.6	747.5	603.6	1,488	218	245.0	89.2	90.4	97.3	107.2	61.8	55.1
1989	5,438.7	8,591.9	3,894.5	6,152.4	469.8	742.2	637.0	1,376	198	247.3	90.0	91.0	100.8	108.6	64.9	57.8
1990	5,743.8	8,731.8	4,166.8	6,334.4	468.5	712.2	641.7	1,193	188	249.9	90.8	91.5	97.2	108.5	67.2	61.0
1991	5,916.7	8,711.3	4,343.7	6,395.3	424.2	624.6	610.1	1,014	171	252.7	89.2	89.7	91.0	108.3	67.4	63.5
1992	6,244.4	8,975.7	4,613.7	6,631.7	452.1	649.8	630.6	1,200	211	255.4	91.6	92.8	91.9	110.9	67.7	65.4
1993	6,553.0	9,198.5	4,790.2	6,724.0	482.7	677.6	683.6	1,288	254	258.1	94.6	96.0	100.2	112.1	68.8	67.4
1994	6,935.7	9,536.2	5,021.7	6,904.6	519.5	714.3	744.6	1,457	304	260.7	99.7	101.8	101.9	117.0	69.7	69.1
1995	7,253.8	9,761.5	5,320.8	7,160.3	538.1	724.1	817.5	1,354	340	263.0	104.4	107.2	102.6	119.0	72.1	71.1
1996	7,813.2	10,321.3	5,588.5	7,382.4	583.6	770.9	899.4	1,475	363	265.5	109.0	112.2	100.1	115.0	73.9	73.1
1997	8,110.9	10,502.3	5,886.6	5,854.5	618.2	800.5	1,009.3	1,474	354	267.9	117.0	121.7	112.6	117.4	73.8	74.8
1998	8,511.0	10,886.4	6,027.8	6,168.6	655.4	838.3	1,135.9	1,617	373	270.3	123.5	129.6	111.6	118.5	72.0	76.0
1999[r]	9,274.3	11,695.2	6,639.2	6,328.4	765.9	965.8	1,228.4	1,641	349	273.2	128.8	136.0	115.7	120.0	72.6	77.6
2000	9,824.6	12,133.6	7,120.2	6,630.3	820.3	1,013.1	1,324.2	1,569	251	282.1	134.9	142.8	134.5	118.0	76.8	80.3
2001	10,082.2	12,163.3	7,393.2	6,748.0	842.5	1,016.5	1,255.1	1,603	193	284.8	130.1	137.3	127.5	111.9	77.6	82.5
2002	10,445.6	12,461.9	7,829.1	7,049.8	846.1	1,009.4	1,183.4	1,705	168	287.5	129.2	135.6	114.5	110.7	75.8	83.8
2003	11,142.1	13,292.9	8,159.9	9,735.0	915.7	1,092.5	1,301.6	1,848	131	291.1	129.7	136.5	113.7	108.3	79.9	85.7
2004	12,277.0	13,774.0	8,622.8	9,674.4	991.4	1,112.3	1,423.6	1,956	131	294.0	135.1	142.6	122.6	111.3	84.9	88.0
2005	13,095.4	14,235.6	9,031.3	9,817.7	1,104.1	1,200.3	1,544.6	2,068	147	296.7	140.9	150.0	122.3	108.8	91.1	91.0
2006	13,857.9	14,615.2	9,915.7	10,457.4	1,167.2	1,231.0	1,455.5	1,801	117	289.8	113.9	118.25	131.2	112.4	95.4	93.9
2007	14,480.3	14,876.8	10,423.6	10,709.5	1,152.4	1,184.0	1,550.0	1,355	96	301.7	117.0	121.65	120.5	117.4	100.0	96.6
2008	14,720.3	14,833.6	11,024.5	11,108.9	1,067.6	1,075.7	1,537.6	906	82	304.5	112.6	115.57	109.7	111.9	109.7	100.3
2009	14,417.9	14,417.9	10,788.8	10,788.8	903.2	903.2	1,263.2	554	50	307.2	100.0	100	100.0	100.0	100.0	100.0
2010	14,958.3	14,799.4	11,179.7	11,061.3	803.6	795.1	1,319.2	587	50	309.8	105.4	105.35	95.5	103.6	106.8	101.6
2011	15,533.8	15,052.4	11,556.2	11,197.9	789.8	765.3	1,433.4	609	52	312.0	109.6	110.1	95.5	102.9	116.2	104.8
2012	16,244.6	15,470.7	11,931.2	11,363.0	854.5	813.8	1,654.3	781	55	314.3	113.6	114.23		98.2	117.0	107.0
2013	16,799.7	15,761.3	12,476.7	11,637.4	899.9	844.3	1,986.3	925	55	316.5	116.8	117.4		96.7	117	107

[a]U.S. Council of Economic Advisors (42,43).
[b]U.S. Department of Commerce, Bureau of the Census (71).
[c]U.S. Council of Economic Advisors (43); series (1965-1999) revised.
[d]U.S. Department of Commerce, Bureau of the Census (59); National Association of Home Builders (28, 29).
[e]U.S. Federal Reserve System, Board of Governors (77,78).
[f]U.S. Department of Labor, Bureau of Labor Statistics (77).
[g]Manufactured Housing Institute (27).
[r]Revised.

Table 2—Number of households and housing market indicators, 1965–2013

Year	Number of house-holds[a]	New home mortgage interest rates[b]	New housing units								Expenditures for residential upkeep and improvements[e]	
				New housing starts								
					One family		Multifamily		Mobile homes			
			Total units	Total starts[c,f]	Number starts[c]	Floor area[d]	Number starts[c,f]	Floor area[d]	Number shipments[c]	Floor area[dt]		
	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 2009 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	177,798
1993	95.3	7.20	1,542	1,288	1,126	2,095	162	1,065	254	1,295	121,899	178,790
1994	96.0	7.49	1,517	1,457	1,198	2,100	259	1,035	304	1,330	130,625	183,436
1995	97.3	7.87	1,694	1,354	1,076	2,095	278	1,080	340	1,355	124,971	168,175
1996	98.7	7.80	1,838	1,475	1,161	2,120	314	1,070	363	1,380	131,362	173,415
1997	99.9	7.71	1,828	1,474	1,134	2,150	340	1,095	354	1,420	133,577	171,362
1998	101.0	7.07	1,990	1,617	1,271	2,190	346	1,065	373	1,450	133,693	167,116
1999[r]	103.9	7.04	2,012	1,663	1,303	2,223	341	1,104	349	1,465	142,900	170,872
2000	104.7	7.52	1,824	1,573	1,231	2,266	342	1,114	251	1,505	152,975	174,989
2001	108.2	7.00	1,796	1,603	1,273	2,324	330	1,171	193	1,540	157,765	174,134
2002	109.3	6.43	1,874	1,706	1,359	2,320	347	1,166	168	1,595	173,324	186,631
2003	111.3	5.80	1,979	1,848	1,499	2,330	349	1,173	131	1,570	176,899	189,704
2004	112.0	5.77	2,087	1,956	1,611	2,349	345	1,243	131	1,625	198,557	225,967
2005	113.3	5.94	2,215	2,068	1,716	2,434	353	1,247	147	1,595	215,030	237,550
2006	114.4	6.63	1,918	1,801	1,465	2,469	336	1,277	117	1,605	228,208	243,734
2007	116.0	6.41	1,451	1,355	1,046	2,521	309	1,300	96	1,600	226,359	236,530
2008	116.8	6.05	988	906	622	2,519	284	1,250	82	1,565	[z]	[z]
2009	117.2	5.14	604	554	445	2,438	109	1,227	50	1,530	[z]	[z]
2010	117.5	4.80	637	587	471	2,392	116	1,172	50	1,515	[z]	[z]
2011	113.4	4.56	660	609	431	2,480	178	1,159	51	[z]	[z]	[z]
2012	114.2	3.69	836	781	535	2,505	245	1,138	55	[z]	[z]	[z]
2013	114.7	4.00	985	925	618	2,598	307	1,104	60	[z]	[z]	[z]

[a]U.S. Department of Commerce, Bureau of the Census (64,63).
[b]U.S. Council of Economic Advisors (42,43).
[c]National Association of Home Builders (28,29); Manufactured Housing Institute (27).
[d]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 (59,74); Manufactured Housing Institute (27).
[e]U.S. Department of Commerce, Bureau of the Census (68).
[f]Data for privately owned housing starts from 1986 to present.
[r]Revised
[p]Preliminary
[z]data no longer available

Table 3—Average hourly earnings[a] in timber-based industries and all manufacturing in the United States, 1972–2013[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 2009=100*	*U.S. dollars*	*Index 2009=100*	*U.S. dollars*	*Index 2009=100*	*U.S. dollars*	*Index 2009=100*	*U.S. dollars*	*Index 2009=100*	*U.S. dollars*	*Index 2009=100*	*U.S. dollars*	*Index 2009=100*
1972	3.33	22.3	4.25	25.0	3.29	22.0	3.37	35.5	3.95	20.5	3.08	20.5	3.82	20.9
1973	3.61	24.2	4.56	26.8	3.62	24.2	3.62	23.2	4.20	21.8	3.29	21.9	4.09	22.4
1974	3.89	26.1	4.91	28.9	3.88	26.0	3.91	25.1	4.53	23.5	3.53	23.5	4.42	24.2
1975	4.26	28.6	5.28	31.1	4.34	29.0	4.26	27.3	5.01	26.0	3.78	25.1	4.83	26.5
1976	4.72	31.6	6.03	35.5	4.86	32.5	4.67	30.0	5.47	28.4	4.34	28.9	5.68	31.1
1977	5.10	34.2	6.58	38.7	5.28	35.3	5.04	32.3	5.96	30.9	4.34	28.9	5.68	31.1
1978	5.60	37.5	7.25	42.6	5.83	39.0	5.55	35.6	6.52	33.8	4.68	31.1	6.17	33.8
1979	6.07	40.7	7.97	46.9	6.32	42.3	5.95	38.2	7.13	37.0	5.06	33.6	6.70	36.7
1980	6.55	43.9	8.64	50.8	6.70	44.8	6.41	41.1	7.84	40.6	5.49	36.5	7.27	39.9
1981	6.99	46.8	9.11	53.6	7.19	48.1	6.89	44.2	8.60	44.6	5.91	39.3	7.99	43.8
1982	7.43	49.8	9.79	57.6	7.73	51.7	7.33	47.0	9.32	48.3	6.31	42.0	8.49	46.5
1983	7.80	52.3	10.17	59.8	8.20	54.9	7.64	49.0	9.93	51.5	6.62	44.0	8.83	48.4
1984	8.03	53.8	10.70	62.9	8.42	56.4	7.81	50.1	10.41	54.0	6.84	45.5	9.19	50.4
1985	8.22	55.1	10.92	64.2	8.52	57.0	8.06	51.7	10.83	56.1	7.17	47.7	9.54	52.3
1986	8.34	55.9	10.82	63.6	8.58	57.4	8.23	52.8	11.18	58.0	7.46	49.6	9.73	53.3
1987	8.40	56.3	10.68	62.8	8.58	57.4	8.35	53.6	11.43	59.3	7.67	51.0	9.91	54.3
1988	8.61	57.7	10.78	63.4	8.75	58.6	8.55	54.8	11.69	60.6	7.94	52.8	10.18	55.8
1989	8.84	59.2	11.13	65.5	9.03	60.4	8.73	56.0	11.96	62.0	8.25	54.9	10.48	57.5
1990	9.08	60.9	11.22	66.0	9.22	61.7	9.04	58.0	12.31	63.8	8.52	56.6	10.83	59.4
1991	9.24	61.9	11.06	65.1	9.37	62.7	9.28	59.5	12.72	65.9	5.76	38.3	11.18	61.3
1992	9.44	63.3	11.17	65.7	9.59	64.2	9.48	60.8	13.07	67.8	9.01	59.9	11.46	62.8
1993	9.61	64.4	11.37	66.9	9.78	65.5	9.65	61.9	13.42	69.6	9.27	61.6	11.74	64.4
1994	9.84	66.0	11.44	67.3	10.05	67.3	9.89	63.4	13.77	71.4	9.55	63.5	12.06	66.1
1995	10.12	67.8	11.64	68.5	10.31	69.0	10.12	64.9	14.23	73.8	9.82	65.3	12.37	67.8
1996	10.44	70.0	11.76	69.2	10.59	70.9	10.51	67.4	14.68	76.1	10.15	67.5	12.78	70.1
1997	10.76	72.1	12.16	71.5	10.85	72.6	10.89	69.9	15.06	78.1	10.55	70.1	13.17	72.2
1998	11.10	74.4	12.48	73.4	11.12	74.4	11.25	72.2	15.51	80.4	10.90	72.5	13.49	74.0
1999	11.46	76.8	13.24	77.9	11.40	76.3	11.59	74.3	15.97	82.8	11.23	74.7	13.91	76.3
2000	11.94	80.0	13.70	80.6	11.90	79.7	12.08	77.5	16.25	84.2	11.74	78.1	14.37	78.8
2001	12.26	82.2	14.40	84.7	12.19	81.6	12.45	79.9	16.87	87.5	12.24	81.4	14.83	81.3
2002	12.50	83.8	14.76	86.8	12.42	83.1	12.60	80.8	17.50	90.7	12.61	83.8	15.29	83.8
2003	12.71	85.2	14.95	87.9	13.84	92.6	12.60	80.8	17.32	89.8	12.98	86.3	15.74	86.3
2004	13.03	87.3	15.03	88.4	14.05	94.0	13.20	84.7	17.90	92.8	13.16	87.5	16.14	88.5
2005	13.16	88.2	15.74	92.6	13.97	93.5	13.48	86.5	17.98	93.2	13.44	89.4	16.56	90.8
2006	13.40	89.8	16.06	94.5	13.98	93.6	13.62	87.4	18.01	93.4	13.79	91.7	16.80	92.1
2007	13.67	91.6	16.07	94.5	14.19	95.0	14.06	90.2	18.43	95.5	14.32	95.2	17.26	94.6
2008	14.20	95.2	16.64	97.9	14.51	97.1	15.04	96.5	18.88	97.9	14.54	96.7	17.44	95.6
2009	14.92	100.0	17.00	100.0	14.94	100.0	15.59	100.0	19.29	100.0	15.04	100.0	18.24	100.0
2010	14.85	99.5	18.85	110.9	14.88	99.6	15.57	99.9	20.04	103.9	15.06	100.1	18.61	102.0
2011	14.81	99.3	19.41	114.2	14.69	98.3	15.50	99.4	20.26	105.0	15.24	101.3	18.93	103.8
2012	14.99	100.5	20.09	118.2	15.12	101.2	15.54	99.7	20.42	105.9	15.46	102.8	19.08	104.6
2013	15.48	103.8	20.46	120.4	15.95	106.8	15.79	101.3	20.31	105.3	15.58	103.6	19.30	105.8

[a]For production or nonsupervisory workers.

[b]U.S. Department of Labor, Bureau of Labor Statistics (79,80,81,82).

[c]Changed from SIC to NAICS in 2003

Table 4—Average employment in lumber producing and lumber dependent industries in the United States, in thousand people, 1972–2013[a]

	Lumber producing		Lumber dependent									
Year	Logging	Sawmills and planning mills, general[q]	Millwork	Wood kitchen cabinets[q]	Wood containers[q]	Wood buildings and mobile homes[q]	Misc. wood products[q]	Lumber, plywood, and millwork	Lumber and other building materials	Residential building construction	Operative builders[q]	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
2003	69.4	117.1	150.3	153.5	59.2	44.2	96.9	114.1	537.6	837.9	28.9	4,255.7
2004	67.8	117.5	156.0	161.2	60.8	43.9	96.8	117.3	548.4	894.1	28.6	4,429.7
2005[r]	65.2	119.2	159.1	170.1	58.5	46.4	99.2	123.3	559.2	960.3	31.1	4,673.1
2006	64.4	117.8	159.4	176.6	59.6	48.4	103.7	120.1	558.8	1,008.8	32.8	4,901.1
2007	60.1	111.2	146.9	166.6	59.5	40.1	91.2	108.3	517.1	949.0	30.9	4,850.2
2008	57.0	103.6	128.1	145.4	57.4	33.9	79.4	90.2	457.7	816.1	28.0	4,555.8
2009	50.4	83.2	101.4	111.9	50.7	21.1	56.6	68.3	360.2	638.1	24.5	3,807.9
2010	49.7	82.3	92.6	99.7	50.8	19.1	52.6	63.9	342.1	571.8	21.4	3,463.4
2011	48.7	83.7	89.1	97.0	52.5	18.3	49.8	62.0	337.1	565.6	21.0	3,474.6
2012	50.8	84.7	86.6	94.9	53.5	17.4	50.5	63.9	339.1	580.8	22.2	3,537.1
2013	52.6	85.5	91.5	101.3	53.5	17.4	53.2	68.2	351.9	613.5	25.1	3,655.2

[a]U.S. Department of Labor, Bureau of Labor Statistics (79,82).

[q]Changes in topics cause data changes after 2003 when SIC changed to NAICS.

[z]Change from SIC to NAICS causes change in data 2003 and after

[r]Revised

Table 5a—Production, imports, exports, and consumption of timber products, by major product, 1965–2013 (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[c]	Logs[e]		Pulpwood chip[d]		Fuelwood production and consumption
Year	Production	Consumption	Production	Imports	Exports	Consumption	Production	Imports	Exports	Consumption	Production	Imports	Exports	Consumption	Production	Imports[b]	Exports[b]	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	4,334	600	13	383	z	146	1,100
1970	14,378	15,163	12,963	2,019	1,084	13,898	6,511	1,089	221	7,379	1,197	133	12	1,318	4,165	773	413	4,525	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	4,071	517	6	502	z	157	1,270
1973	14,213	15,209	12,795	2,416	1,204	14,007	6,490	1,516	327	7,679	1,496	165	34	1,628	3,775	729	305	4,200	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	4,244	395	15	545	z	225	1,857
1979	15,730	16,828	13,221	2,758	1,380	14,599	6,516	1,808	366	7,958	1,541	137	32	1,646	4,136	792	359	4,569	405	21	623	z	280	2,230
1980	14,998	15,641	12,074	2,390	1,469	12,996	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	15,314	11,458	2,345	1,306	12,497	5,158	1,497	397	6,258	1,275	99	53	1,321	4,195	734	451	4,477	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	428	4,288	435	19	513	z	178	3,540
1983	16,433	17,717	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	15,164	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	530	5,463	495	13	657	z	158	2,929
1988	18,736	19,691	15,618	3,279	2,106	16,791	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	19,566	15,722	3,376	2,382	16,716	7,541	2,225	655	9,112	1,454	114	97	1,471	5,149	1,022	607	5,565	555	6	753	z	271	2,850
1990	18,477	19,215	15,577	3,044	2,306	16,315	7,317	1,905	589	8,633	1,423	97	109	1,410	5,313	1,038	645	5,705	562	4	674	z	288	2,900
1991	18,823	19,269	15,187	2,864	2,419	15,633	7,039	1,810	646	8,203	1,267	83	95	1,255	5,397	969	745	5,621	551	2	602	z	332	3,636
1992	18,065	18,777	15,215	3,056	2,343	15,927	6,982	1,955	561	8,376	1,294	100	106	1,288	5,516	992	800	5,707	546	7	524	2	351	2,850
1993	17,358	18,638	14,914	3,423	2,142	16,194	6,894	2,238	533	8,599	1,293	100	100	1,293	5,423	1,065	723	5,765	517	15	460	5	326	2,444
1994	17,365	18,862	15,164	3,636	2,140	16,661	7,085	2,409	514	8,979	1,320	94	86	1,328	5,576	1,102	757	5,921	401	18	429	14	354	2,201
1995	17,604	19,249	15,454	3,929	2,284	17,099	6,857	2,545	462	8,939	1,303	107	89	1,321	6,079	1,245	904	6,420	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	890	6,161	342	18	422	12	416	1,924
1997	17,362	19,128	15,662	4,063	2,297	17,428	7,210	2,675	457	9,428	1,213	114	103	1,224	6,101	1,250	929	6,422	330	20	384	4	424	1,700
1998r	17,209	19,536	15,577	4,284	1,957	17,904	7,222	2,791	354	9,658	1,201	131	55	1,277	6,120	1,353	818	6,628	305	30	316	7	414	1,632
1999	17,208	19,696	15,583	4,423	1,935	18,071	7,533	2,884	410	10,007	1,208	151	55	1,304	5,809	1,340	735	6,414	298	47	326	2	409	1,625
2000	17,150	19,730	15,528	4,619	2,039	18,108	7,384	2,943	435	9,892	1,187	154	51	1,290	5,881	1,448	776	6,553	300	72	422	2	355	1,622
2001	16,431	19,318	14,810	4,695	1,807	17,697	7,052	3,007	359	9,699	1,088	176	39	1,225	5,683	1,438	742	6,378	320	73	403	1	265	1,621
2002r	16,303	19,434	14,783	4,869	1,738	17,914	7,217	3,154	359	10,012	1,067	223	34	1,256	5,605	1,404	768	6,241	317	86	388	2	188	1,520
2003	15,960	19,477	14,445	5,052	1,535	17,962	7,110	3,193	347	9,956	1,052	240	35	1,257	5,455	1,536	643	6,348	318	80	356	4	155	1,515
2004	15,424	19,384	13,884	5,404	1,445	17,844	7,563	3,704	348	10,919	1,082	354	43	1,393	4,388	1,268	521	5,135	318	73	366	5	168	1,540
2005	15,625	19,666	14,075	5,511	1,470	18,116	7,680	3,744	362	11,063	1,068	373	37	1,403	4,498	1,272	560	5,211	318	113	345	9	166	1,550
2006	15,387	18,989	13,832	5,081	1,479	17,434	7,505	3,415	390	10,530	989	339	35	1,293	4,528	1,229	564	5,193	320	94	339	4	151	1,555
2007	15,032	17,606	13,427	4,221	1,647	16,001	6,921	2,743	359	9,305	898	264	40	1,122	4,727	1,144	692	5,180	325	67	350	3	205	1,605
2008	13,231	14,627	11,721	3,148	1,751	13,117	5,395	1,894	345	6,945	745	184	45	884	4,720	1,029	791	4,959	290	35	313	5	257	1,510
2009	11,784	12,601	10,384	2,388	1,571	11,201	4,576	1,347	288	5,636	616	146	34	728	4,423	857	731	4,550	250	28	322	9	196	1,400
2010	12,107	12,764	10,727	2,496	1,840	11,384	4,569	1,422	341	5,650	655	161	55	760	4,617	873	802	4,688	245	32	407	9	235	1,380
2011	12,665	13,091	11,299	2,466	2,040	11,725	5,005	1,403	387	6,022	653	163	52	764	4,682	861	881	4,661	239	30	485	9	235	1,366
2012	13,051	13,668	11,611	2,577	1,960	12,228	5,219	1,480	374	6,324	679	160	57	782	4,824	879	875	4,842	222	49	432	9	235	1,440
2013	13,491	13,927	11,971	2,597	2,161	12,407	5,607	1,699	406	6,901	702	171	57	815	4,766	672	1,033	4,406	230	47	432	9	234	1,520

[a]U.S. Department of Agriculture, Forest Service (22); U.S International Trade Commision (83); data may not add to totals because of rounding; data have been revised.
[b]Includes pulpwood and the pulpwood equivalent of wood pulp and paper and board.
[c]Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items.
[d]Prior to 1989, pulpwood chips are not included in total production.
[e]Prior to 2000, Pulpwood Logs are not included in Logs.
[z]Not Available.
[r]Revised

Table 5b—Production, imports, exports, and consumption of timber products, by major product, 1965–2013 (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[c]	Logs[e]		Pulpwood chip[d]		Fuel-wood production and consumption
Year	Production	Consumption	Production	Imports	Exports	Consumption	Production	Imports	Exports	Consumption	Production	Imports	Exports	Consumption	Production	Imports[b]	Exports[b]	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	344,882	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	399,445	338,743	55,065	25,522	368,297	168,918	28,336	5,150	192,105	32,646	3,916	453	36,119	109,334	22,441	9,063	122,712	16,990	371	10,855	z	4,129	31,149
1970	407,151	429,369	367,073	57,160	30,700	393,548	184,380	30,829	6,250	208,959	33,884	3,778	349	37,328	117,931	21,899	11,686	128,144	18,463	654	12,415	z	4,257	35,821
1971	386,711	417,517	348,312	59,594	25,320	382,603	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	487,317	556,578	441,104	122,058	55,901	510,365	204,493	79,022	10,036	273,478	33,999	3,700	1,553	36,147	173,306	38,313	23,642	191,078	8,637	839	8,958	186	11,711	46,213
1999	487,278	560,904	441,262	125,248	55,199	514,899	213,317	81,653	11,602	283,368	34,199	4,277	1,563	36,914	164,504	37,940	21,230	184,791	8,438	1,333	9,232	45	11,572	46,015
2000	488,536	561,956	442,605	130,796	58,161	516,025	209,082	83,340	12,320	280,101	33,604	4,357	1,438	36,523	166,523	40,998	22,417	188,792	8,495	2,036	11,950	65	10,036	45,930
2001	467,989	550,183	422,116	132,948	51,578	504,281	199,680	85,153	10,176	274,657	30,819	4,973	1,093	34,698	160,913	40,714	21,433	183,786	9,049	2,078	11,411	29	7,466	45,902
2002[f]	461,661	550,324	418,619	137,882	49,219	507,283	204,352	89,323	10,156	283,519	30,222	6,310	972	35,560	158,723	39,768	21,758	176,732	8,989	2,431	11,000	51	5,351	43,042
2003	451,943	551,535	409,043	143,071	43,478	508,635	201,321	90,417	9,828	281,910	29,785	6,794	991	35,589	154,476	43,485	18,204	179,757	9,005	2,253	10,075	122	4,381	42,900
2004	436,773	548,883	393,164	153,031	40,920	505,275	214,161	104,893	9,847	309,207	30,630	10,029	1,212	39,447	124,257	35,911	14,750	145,418	9,005	2,054	10,357	143	4,755	43,608
2005	442,459	556,891	398,568	156,052	41,621	512,999	217,487	106,027	10,242	313,272	30,233	10,560	1,058	39,735	127,366	36,027	15,843	147,549	9,005	3,189	9,771	250	4,705	43,891
2006	435,716	537,717	391,683	143,888	41,888	493,684	212,524	96,692	11,044	298,173	27,996	9,609	983	36,622	128,224	34,814	15,984	147,054	9,061	2,652	9,591	122	4,286	44,033
2007	425,668	498,559	380,219	119,523	46,632	453,110	195,988	77,661	10,169	263,480	25,433	7,475	1,141	31,767	133,867	32,403	19,594	146,676	9,203	1,892	9,914	93	5,813	45,449
2008	374,666	414,203	331,907	89,132	49,595	371,444	152,776	53,639	9,764	196,650	21,103	5,204	1,284	25,023	133,658	29,141	22,388	140,411	8,212	996	8,873	152	7,285	42,759
2009	333,680	356,821	294,036	67,618	44,477	317,177	129,592	38,155	8,160	159,586	17,454	4,135	964	20,626	125,253	24,274	20,696	128,832	7,079	804	9,120	250	5,537	39,644
2010	342,845	361,440	303,767	70,686	52,090	322,363	129,393	40,254	9,643	160,004	18,544	4,547	1,566	21,525	130,729	24,734	22,717	132,746	6,938	901	11,513	250	6,651	39,077
2011	358,646	370,710	319,965	69,822	57,759	332,029	141,740	39,737	10,946	170,531	18,505	4,609	1,479	21,635	132,575	24,375	24,955	131,995	6,768	850	13,728	250	6,651	38,681
2012	369,558	387,026	328,782	72,962	55,494	346,250	147,784	41,900	10,600	179,084	19,228	4,527	1,623	22,132	136,612	24,893	24,777	137,106	6,286	1,391	12,220	251	6,651	40,776
2013	382,014	394,375	338,972	73,550	61,192	351,333	158,780	48,111	11,483	195,416	19,868	4,829	1,617	23,080	134,964	19,033	29,246	124,752	6,513	1,319	12,221	251	6,626	43,042

[a]U.S. Department of Agriculture, Forest Service (22); U.S International Trade Commision(83); Data may not add to totals because of rounding; Data have been revised.
[b]Includes pulpwood and the pulpwood equivalent of wood pulp and paper and board.
[c]Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items.
[d]Prior to 1989, pulpwood chips are not included in total production.
[e]Prior to 2000, Pulpwood Logs are not included in Logs.
[z]Not Available.
[r]Revised

Table 6a—Production, imports, exports, and consumption of softwood timber products, by major product, 1965–2012 (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[c]	Logs[e]		Pulpwood chip[d]		Fuelwood production and consumption
Year	Production	Consumption	Production	Imports	Exports	Consumption	Production	Imports	Exports	Consumption	Production	Imports	Exports	Consumption	Production	Imports[b]	Exports[b]	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	9,979	10,681	9,752	1,652	950	10,453	4,838	1,021	201	5,658	1,082	27	9	1,099	3,052	587	313	3,326	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	10,629	12,976	10,319	3,468	1,120	12,666	4,995	2,695	170	7,520	1,089	43	46	1,085	3,661	702	493	3,871	162	24	263	5	149	310
1999	10,637	13,086	10,328	3,541	1,093	12,777	5,272	2,766	204	7,834	1,092	53	46	1,099	3,394	680	430	3,644	158	41	266	1	146	309
2000	10,636	13,139	10,327	3,673	1,170	12,830	5,180	2,805	209	7,776	1,063	58	43	1,078	3,465	746	459	3,753	159	62	330	1	129	308
2001	10,261	12,982	9,953	3,763	1,042	12,674	4,981	2,895	147	7,729	939	73	31	982	3,332	731	437	3,626	272	64	307	1	121	308
2002[r]	10,310	13,194	10,021	3,895	1,011	12,905	5,161	3,026	146	8,040	947	95	27	1,016	3,252	699	447	3,504	269	75	279	0	112	289
2003	10,521	13,629	10,233	4,042	934	13,341	5,273	3,055	145	8,183	933	117	26	1,024	3,485	801	390	3,896	169	69	262	1	111	288
2004	10,549	14,136	10,257	4,472	885	13,843	5,628	3,531	125	9,033	957	176	31	1,102	3,127	701	353	3,476	169	62	256	2	120	293
2005	10,701	14,316	10,406	4,539	924	14,021	5,728	3,557	136	9,149	943	197	26	1,113	3,181	687	376	3,492	169	97	257	1	128	295
2006	10,515	13,822	10,220	4,224	917	13,527	5,578	3,282	141	8,718	876	165	26	1,015	3,230	691	383	3,537	170	85	261	2	106	296
2007	10,169	12,583	9,864	3,504	1,090	12,278	5,064	2,652	150	7,566	793	114	33	874	3,417	674	490	3,602	172	62	268	1	149	305
2008	9,167	10,565	8,880	2,603	1,206	10,278	4,204	1,831	180	5,855	652	80	37	695	3,444	660	563	3,542	154	30	244	2	182	287
2009	7,982	8,786	7,716	1,922	1,118	8,520	3,350	1,281	149	4,483	536	64	28	572	3,283	562	527	3,317	133	14	263	1	152	266
2010	8,480	9,158	8,218	2,029	1,352	8,895	3,575	1,369	201	4,743	574	61	46	588	3,408	583	574	3,417	130	16	332	1	199	262
2011	8,899	9,357	8,640	2,001	1,543	9,097	3,856	1,343	247	4,952	569	63	43	588	3,470	579	634	3,414	127	15	419	1	199	260
2012	9,251	9,872	8,978	2,098	1,478	9,598	4,072	1,426	235	5,263	591	60	49	602	3,633	589	630	3,592	118	22	365	1	199	274
2013	9,514	10,214	9,225	2,337	1,636	9,925	4,320	1,647	266	5,701	611	70.5	48.6	633	3,608	599	758	3,449	122	19	365	1	199	289

[a]U.S. Department of Agriculture, Forest Service (22); U.S International Trade Commision(83); data may not add to totals because of rounding; data have been revised.
[b]Includes pulpwood and the pulpwood equivalent of wood pulp and paper and board.
[c]Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items.
[d]Prior to 1989, pulpwood chips are not included in total production.
[e]Prior to 2000, Pulpwood Logs are not included in Logs.
[z]Not Available.
[r]Revised

Table 6b—Production, imports, exports, and consumption of softwood timber products, by major product, 1965–2012 (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[c]	Logs[e]		Pulpwood chip[d]		Fuelwood production and consumption
Year	Production	Consumption	Production	Imports	Exports	Consumption	Production	Imports	Exports	Consumption	Production	Imports	Exports	Consumption	Production	Imports[b]	Exports[b]	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	282,587	302,451	276,139	46,778	26,914	296,004	136,985	28,922	5,684	160,224	30,627	759	259	31,127	86,432	16,615	8,867	94,179	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	26,213	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	300,979	367,446	292,193	98,194	31,726	358,660	141,448	76,314	4,806	212,956	30,825	1,206	1,301	30,730	103,672	19,880	13,949	109,604	4,577	666	7,457	128	4,214	8,786
1999	301,218	370,543	292,470	100,263	30,938	361,795	149,298	78,317	5,770	221,845	30,923	1,508	1,315	31,116	96,094	19,249	12,170	103,173	4,472	1,152	7,542	37	4,140	8,748
2000	304,075	372,045	295,343	104,000	33,548	363,313	146,687	79,419	5,907	220,199	30,104	1,637	1,219	30,522	98,132	21,136	12,987	106,281	4,502	1,768	9,357	39	3,646	8,732
2001	293,328	367,617	284,601	106,556	29,926	358,891	141,054	81,968	4,150	218,872	26,603	2,063	867	27,798	94,360	20,695	12,367	102,688	7,702	1,807	8,701	23	3,430	8,727
2002	297,025	378,826	288,842	110,864	29,064	370,643	146,141	85,679	4,141	227,680	26,816	2,594	757	28,653	92,095	20,457	13,078	102,143	7,630	2,111	7,904	23	3,185	8,183
2003	297,911	385,924	289,755	114,459	26,446	377,768	149,306	86,503	4,102	231,706	26,416	3,305	729	28,992	98,696	22,684	11,051	110,330	4,773	1,951	7,414	16	3,150	8,156
2004	298,730	400,296	290,439	126,636	25,070	392,005	159,358	99,987	3,548	255,797	27,103	4,985	881	31,207	88,557	19,860	9,992	98,425	4,773	1,761	7,236	43	3,412	8,291
2005	303,014	405,391	294,669	128,540	26,163	397,046	162,196	100,723	3,858	259,061	26,702	5,572	748	31,527	90,089	19,452	10,649	98,893	4,773	2,760	7,279	32	3,630	8,344
2006	297,763	391,407	289,392	119,620	25,976	383,036	157,944	92,928	3,992	246,879	24,802	4,671	742	28,732	91,461	19,569	10,859	100,170	4,803	2,399	7,386	53	2,996	8,371
2007	287,955	356,305	279,315	99,218	30,868	347,664	143,411	75,090	4,249	214,252	22,445	3,240	930	24,756	96,759	19,098	13,867	101,989	4,878	1,756	7,589	34	4,233	8,641
2008	259,592	299,161	251,463	73,713	34,144	291,032	119,049	51,857	5,104	165,801	18,466	2,258	1,045	19,679	97,538	18,699	15,936	100,301	4,352	847	6,901	52	5,158	8,129
2009	226,036	248,788	218,499	54,424	31,672	241,251	94,868	36,273	4,208	126,933	15,172	1,809	791	16,189	92,964	15,903	14,930	93,937	3,752	407	7,448	32	4,295	7,537
2010	240,138	259,313	232,709	57,466	38,291	251,884	101,230	38,770	5,691	134,309	16,257	1,721	1,316	16,663	96,505	16,496	16,245	96,756	3,677	446	9,393	32	5,647	7,429
2011	252,001	264,948	244,647	56,651	43,703	257,594	109,181	38,041	6,995	140,228	16,104	1,782	1,231	16,655	98,251	16,384	17,955	96,680	3,587	411	11,877	33	5,647	7,354
2012	261,971	279,536	254,219	59,406	41,841	271,784	115,299	40,383	6,648	149,034	16,740	1,701	1,382	17,059	102,873	16,672	17,835	101,710	3,332	615	10,329	33	5,647	7,752
2013	269,401	289,237	261,218	66,169	46,336	281,054	122,330	46,638	7,536	161,435	17,294	1,996	1,376	17,914	102,175	16,958	21,460	97,672	4,405	544	10,329	33	5,635	7,537

[a]U.S. Department of Agriculture, Forest Service (22); U.S International Trade Commision(83); Data may not add to totals because of rounding; Data have been revised.
[b]Includes pulpwood and the pulpwood equivalent of wood pulp and paper and board.
[c]Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items.
[d]Prior to 1989, pulpwood chips are not included in total production.
[e]Prior to 2000, Pulpwood Logs are not included in Logs.
[z]Not Available.
[r]Revised

Table 7a—Production, imports, exports, and consumption of hardwood timber products, by major product, 1965–2012 (million cubic feet, 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[c]	Logs[e]		Pulpwood chip[d]		
Year	Production	Consumption	Production	Imports	Exports	Consumption	Production	Imports	Exports	Consumption	Production	Imports	Exports	Consumption	Production	Imports[b]	Exports[b]	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	118	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	4,172	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	3,240	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	3,682	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	148	2,941	1,402	50	35	1,417	84	123	5	202	1,086	192	93	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	96	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	1,344	160	2	21	z	z	1,820
1980	5,163	5,238	3,093	333	259	3,168	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	250	2,956	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	141	1,732	205	5	20	z	z	2,991
1985	6,521	6,851	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	4,452	1,982	89	130	1,941	102	179	4	277	1,824	380	190	2,014	218	2	24	z	z	2,416
1988	6,722	6,866	4,330	595	451	4,474	2,064	53	208	1,909	101	150	6	245	1,892	390	205	2,078	240	2	33	z	z	2,393
1989	6,861	6,880	4,553	548	529	4,571	2,118	61	150	2,029	97	85	7	174	1,926	395	221	2,100	261	3	34	5	117	2,308
1990	6,957	6,928	4,609	507	537	4,579	2,163	40	151	2,053	95	71	9	157	1,937	394	228	2,103	264	2	35	1	114	2,349
1991	7,438	7,239	4,493	459	658	4,295	1,961	37	164	1,833	89	60	11	138	1,964	361	263	2,063	259	1	45	0	174	2,945
1992	7,025	6,796	4,717	512	741	4,488	2,003	45	172	1,876	85	71	15	142	2,080	393	292	2,182	287	1	36	1	226	2,308
1993	6,901	6,770	4,921	582	713	4,791	2,142	55	182	2,014	89	71	13	148	2,162	454	281	2,335	292	1	38	1	199	1,979
1994	6,738	6,597	4,956	618	760	4,814	2,168	64	193	2,039	101	67	11	156	2,240	480	297	2,423	188	3	42	5	216	1,783
1995	7,086	6,942	5,288	705	849	5,144	2,212	62	184	2,089	107	76	12	172	2,499	559	365	2,692	182	4	43	5	245	1,798
1996	6,795	6,575	5,186	674	893	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	5,143	2,217	79	213	2,082	109	79	12	176	2,512	589	381	2,721	155	7	51	2	278	1,422
1998[r]	6,580	6,559	5,259	816	837	5,238	2,226	96	185	2,137	112	88	9	191	2,459	624	326	2,757	143	6	53	2	265	1,322
1999	6,571	6,611	5,255	882	842	5,295	2,261	118	206	2,173	116	98	9	205	2,416	660	305	2,771	140	6	60	0	262	1,316
2000	6,514	6,592	5,201	946	869	5,278	2,203	138	226	2,115	124	96	8	212	2,415	701	317	2,799	141	9	92	1	226	1,314
2001	6,169	6,336	4,857	932	765	5,023	2,070	112	213	1,970	149	103	8	244	2,350	707	305	2,752	48	10	96	0	144	1,313
2002[r]	5,993	6,240	4,762	974	727	5,009	2,056	129	212	1,972	120	127	8	240	2,353	705	321	2,737	48	11	109	2	76	1,231
2003	5,440	5,848	4,213	1,010	601	4,622	1,837	138	202	1,773	119	123	9	233	1,970	735	253	2,452	149	11	94	4	43	1,227
2004	4,875	5,247	3,628	932	560	4,000	1,935	173	222	1,886	125	178	12	291	1,261	567	168	1,660	149	10	110	4	47	1,247
2005	4,924	5,350	3,669	972	546	4,095	1,953	187	225	1,914	125	176	11	290	1,316	585	183	1,718	149	15	88	8	38	1,255
2006	4,872	5,167	3,612	857	562	3,907	1,927	133	249	1,811	113	174	9	279	1,298	538	181	1,656	150	9	78	2	46	1,259
2007	4,863	5,024	3,563	717	557	3,724	1,857	91	209	1,738	106	150	7	248	1,310	470	202	1,578	153	5	82	2	56	1,300
2008	4,064	4,063	2,841	545	546	2,840	1,191	63	165	1,089	93	104	8	189	1,276	369	228	1,416	136	5	70	4	75	1,223
2009	3,801	3,815	2,668	466	452	2,681	1,226	66	140	1,153	81	82	6	157	1,140	296	204	1,232	118	14	59	8	44	1,134
2010	3,627	3,607	2,509	467	487	2,489	995	52	140	907	81	100	9	172	1,209	291	229	1,271	115	16	75	8	35	1,118
2011	3,766	3,735	2,660	465	496	2,629	1,150	60	140	1,070	85	100	9	176	1,212	282	247	1,247	112	16	65	8	35	1,106
2012	3,799	3,796	2,633	479	482	2,630	1,147	54	140	1,061	88	100	9	179	1,191	290	232	1,250	104	27	67	8	35	1,166
2013	3,977	3,713	2,746	261	525	2,482	1,287	52	139	1,200	91	100	9	182	1,158	73	275	956	108	27	67	8	35	1,231

[a]U.S. Department of Agriculture, Forest Service (22); Data may not add to totals because of rounding; Data have been revised.
[b]Includes pulpwood and the pulpwood equivalent of wood pulp and paper and board.
[c]Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items.
[d]Prior to 1989, pulpwood chips are not included in total production.
[e]Prior to 2000, Pulpwood Logs are not included in Logs.
[z]Not Available.
[r]Revised

Table 7b—Production, imports, exports, and consumption of hardwood timber products, by major product, 1965–2012 (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[c]	Logs[e]		Pulpwood chip[d]		Fuel-wood production and consumption
Year	Production	Consumption	Production	Imports	Exports	Consumption	Production	Imports	Exports	Consumption	Production	Imports	Exports	Consumption	Production	Imports[b]	Exports[b]	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	112,904	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	2,103	29,741	6,615	208	430	z	z	25,495
1969	109,904	118,162	84,362	11,603	3,355	92,620	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	126,918	90,934	10,382	3,787	97,545	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	118,125	81,985	11,159	3,834	89,325	41,909	1,765	987	42,687	3,540	3,749	26	7,277	28,671	5,517	2,554	31,633	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[r]	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	17,670	9,230	78,174	4,059	174	1,502	58	7,497	37,427
1999	186,060	187,286	148,793	24,985	23,856	150,019	64,019	3,336	5,831	61,524	3,276	2,774	247	5,798	68,409	18,691	8,656	78,542	3,966	181	1,690	8	7,432	37,267
2000	184,460	186,725	147,262	26,796	24,614	149,527	62,395	3,920	6,413	59,902	3,500	2,720	219	6,001	68,391	19,862	8,998	79,338	3,993	268	2,593	26	6,389	37,198
2001	174,661	179,537	137,486	26,392	21,653	142,362	58,626	3,185	6,026	55,785	4,216	2,910	226	6,900	66,553	20,020	8,655	78,054	1,346	271	2,710	6	4,035	37,175
2002[r]	169,709	176,597	134,850	27,585	20,590	141,846	58,211	3,643	6,015	55,839	3,394	3,610	215	6,789	66,627	19,969	8,546	77,686	1,359	320	3,096	43	2,166	34,859
2003	154,032	165,612	119,288	28,611	17,032	130,868	52,015	3,915	5,726	50,204	3,369	3,489	262	6,597	55,780	20,800	7,153	69,427	4,232	302	2,662	105	1,230	34,744
2004	138,043	148,587	102,725	26,394	15,850	113,270	54,802	4,907	6,298	53,411	3,527	5,043	331	8,240	35,700	16,051	4,757	46,993	4,232	293	3,120	100	1,343	35,318
2005	139,446	151,500	103,899	27,512	15,458	115,953	55,291	5,304	6,384	54,211	3,531	4,988	311	8,208	37,276	16,575	5,195	48,656	4,232	428	2,493	217	1,075	35,547
2006	137,953	146,310	102,292	24,268	15,912	110,648	54,580	3,764	7,051	51,293	3,194	4,937	241	7,890	36,764	15,245	5,124	46,884	4,259	252	2,205	69	1,290	35,662
2007	137,713	142,254	100,905	20,305	15,764	105,446	52,577	2,570	5,920	49,228	2,988	4,235	211	7,011	37,108	13,305	5,727	44,687	4,325	136	2,325	59	1,581	36,808
2008	115,074	115,042	80,444	15,419	15,451	80,413	33,727	1,782	4,660	30,849	2,637	2,946	239	5,344	36,120	10,442	6,452	40,110	3,860	149	1,972	100	2,128	34,630
2009	107,644	108,033	75,537	13,193	12,804	75,926	34,724	1,881	3,952	32,654	2,283	2,326	172	4,437	32,289	8,372	5,766	34,895	3,327	397	1,672	217	1,242	32,107
2010	102,706	102,127	71,058	13,220	13,799	70,479	28,163	1,483	3,952	25,694	2,286	2,826	251	4,862	34,224	8,239	6,472	35,990	3,261	455	2,121	217	1,004	31,648
2011	106,646	105,762	75,319	13,171	14,055	74,434	32,558	1,696	3,952	30,303	2,401	2,827	249	4,979	34,323	7,991	7,000	35,315	3,181	439	1,851	217	1,004	31,327
2012	107,587	107,490	74,563	13,557	13,653	74,466	32,484	1,517	3,952	30,050	2,488	2,826	242	5,072	33,740	8,221	6,565	35,396	2,955	775	1,892	217	1,004	33,024
2013	112,613	105,138	77,754	7,382	14,857	70,279	36,451	1,480	3,947	33,984	2,570	2,833	242	5,162	32,789	2075.49	7,785	27,079	3,061	775	1,892	217.2	991	34,859

[a]U.S. Department of Agriculture, Forest Service (22); U.S International Trade Commision(83); Data may not add to totals because of rounding; Data have been revised.
[b]Includes pulpwood and the pulpwood equivalent of wood pulp and paper and board.
[c]Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items.
[d]Prior to 1989, pulpwood chips are not included in total production.
[e]Prior to 2000, Pulpwood Logs are not included in Logs.
[z]Not Available.
[r]Revised

Table 8a—Production, imports, exports, and consumption of timber products (excludes additives and fillers) in tons, by major product, 1965–2013 (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[i]	Logs[n]		Pulpwood chip		Fuel-wood production and consumption
Year	Production	Consumption	Production	Imports	Exports	Consumption	Production	Imports	Exports	Consumption	Production	Imports	Exports	Consumption[g]	Production[k]	Imports[j]	Exports[m]	Consumption	Production	Imports[h]	Exports[i]	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	0.0	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	17.4	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	160.4	135.4	23.8	19.7	139.4	47.7	9.7	2.1	55.3	9.4	1.7	0.2	10.8	7.6	0.5	0.1	8.0	50.9	11.9	5.0	57.8	7.5	0.1	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	177.1	137.8	26.8	20.1	144.6	48.4	12.2	2.0	58.5	9.8	1.7	0.2	11.2	8.7	0.4	0.1	9.1	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	123.7	38.3	9.3	2.2	45.4	8.0	1.2	0.3	9.0	5.7	0.4	0.0	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	141.5	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	21.7	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	8.7	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	168.4	58.8	15.2	3.6	70.3	11.3	2.6	0.5	13.4	8.1	0.9	0.1	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	217.8	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	216.9	165.2	34.8	33.0	167.0	59.5	15.1	4.7	69.8	10.6	1.3	0.9	11.0	8.4	0.5	0.2	8.7	61.6	17.0	10.5	68.1	8.4	0.1	11.7	0.8	5.0	49.9
1990	214.2	214.1	163.4	32.4	32.4	163.4	58.2	12.9	4.3	66.8	10.4	1.1	1.0	10.5	8.2	0.5	0.3	8.4	62.3	17.1	11.1	68.3	8.6	0.1	10.4	0.7	5.3	50.8
1991	220.9	216.6	157.3	29.7	34.0	153.0	53.4	11.6	4.6	60.5	9.3	1.0	0.9	9.4	8.1	0.4	0.3	8.2	62.5	16.1	12.8	65.8	8.4	0.0	9.3	0.7	6.1	63.6
1992	209.7	207.4	159.8	32.2	34.5	157.5	55.3	13.3	4.2	64.4	9.6	1.2	1.0	9.8	8.7	0.4	0.4	8.7	63.3	16.8	14.2	65.8	8.3	0.0	8.1	0.5	6.5	49.9
1993	201.1	205.5	158.3	36.3	31.9	162.7	55.1	15.2	4.0	66.3	9.7	1.2	0.9	9.9	9.1	0.5	0.4	9.2	63.5	18.4	13.3	68.5	7.9	0.2	7.1	0.8	6.0	42.8
1994	199.0	204.5	160.5	38.2	32.8	166.0	56.6	16.4	4.0	69.0	10.0	1.1	0.8	10.3	9.6	0.8	0.5	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	202.2	158.9	40.6	34.9	164.6	55.1	17.3	3.6	68.8	9.9	1.3	0.9	10.3	8.9	0.8	0.6	9.1	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	35.5	163.5	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	36.3	167.8	57.6	18.3	3.7	72.3	9.2	1.4	1.0	9.6	9.6	0.9	0.5	9.9	66.4	20.9	17.4	69.9	5.0	0.3	5.9	0.8	7.8	29.8
1998	187.7	200.3	159.1	44.1	31.5	171.7	57.7	19.1	2.9	74.0	9.2	1.6	0.6	10.2	9.6	0.9	0.4	10.1	65.4	21.6	15.1	71.8	4.6	0.5	4.9	0.5	7.7	28.6
1999	188.7	204.2	160.3	47.2	31.7	175.8	60.0	19.8	3.3	76.5	9.3	1.8	0.6	10.5	9.9	1.1	0.4	10.7	63.9	23.3	14.8	72.5	4.5	0.7	5.1	0.3	7.6	28.4
2000	187.8	204.6	159.4	49.5	32.7	176.2	58.8	20.3	3.5	75.5	9.2	1.9	0.5	10.6	9.8	1.3	0.4	10.7	63.8	24.6	15.1	73.3	4.6	1.1	6.5	0.3	6.5	28.4
2001	176.8	197.1	148.5	49.3	29.1	168.7	56.1	20.6	3.0	73.7	8.1	2.0	0.4	9.7	8.7	1.5	0.4	9.9	59.6	23.8	14.2	69.2	4.9	1.1	6.2	0.2	4.9	28.4
2002[r]	174.8	197.5	148.2	51.1	28.4	170.9	57.2	21.7	3.0	75.9	8.1	2.6	0.4	10.4	9.3	1.5	0.3	10.5	59.3	23.8	15.2	67.9	4.8	1.3	6.0	0.1	3.5	26.6
2003	171.2	200.1	144.7	53.0	24.0	173.6	55.8	22.0	2.9	74.9	7.9	2.8	0.4	10.3	9.1	1.7	0.3	10.5	58.7	24.8	12.1	71.5	4.8	1.2	5.5	0.4	2.9	26.5
2004	177.0	211.1	150.0	59.7	25.6	184.2	59.3	25.5	2.9	81.9	7.8	4.1	0.5	11.5	9.5	2.2	0.4	11.3	59.8	25.8	13.0	72.6	4.8	1.1	5.7	1.0	3.1	27.0
2005	178.6	212.6	151.4	59.9	25.9	185.5	60.2	25.8	3.0	83.0	7.7	4.3	0.4	11.6	9.5	2.4	0.5	11.4	60.8	24.7	13.5	72.0	4.8	1.7	5.3	0.9	3.1	27.1
2006	176.6	207.2	149.4	56.6	26.0	180.0	58.8	23.5	3.3	79.0	7.1	4.0	0.4	10.7	9.4	2.3	0.6	11.1	61.1	24.7	13.7	72.1	4.9	1.5	5.3	0.7	2.8	27.2
2007	167.7	188.0	139.6	48.3	28.0	159.9	54.5	18.8	3.0	70.3	6.6	3.1	0.4	9.3	8.6	2.0	0.5	10.1	55.8	23.1	14.9	64.0	4.9	1.0	5.4	0.2	3.8	28.1
2008	146.8	155.1	120.4	38.1	29.8	128.7	41.7	13.0	2.8	51.9	5.6	2.2	0.5	7.3	7.4	1.4	0.5	8.3	51.6	20.9	16.4	56.1	4.4	0.5	4.9	0.1	4.8	26.4
2009	131.3	133.1	106.8	28.8	27.0	108.6	36.0	9.3	2.3	42.9	4.8	1.7	0.4	6.2	6.3	1.0	0.4	6.9	46.6	16.3	15.3	47.6	4.5	0.4	5.0	0.1	3.6	24.5
2010	131.5	131.1	107.4	30.6	31.3	106.6	35.2	9.7	2.7	42.3	5.0	1.9	0.6	6.4	6.2	0.9	0.4	6.7	45.8	17.3	17.0	46.1	4.5	0.5	6.3	0.2	4.3	24.2
2011	135.6	131.9	111.7	29.8	34.1	107.4	38.8	9.6	3.0	45.4	5.0	2.0	0.5	6.4	6.2	0.8	0.4	6.6	45.4	16.8	18.4	43.8	4.5	0.5	7.5	0.2	4.3	23.9
2012	144.7	135.2	112.9	29.9	32.0	110.7	40.3	10.1	2.9	47.5	5.1	1.9	0.6	6.4	6.2	0.8	0.4	6.6	45.8	16.0	17.2	44.7	4.5	0.8	6.7	0.2	4.3	31.9
2013	150.0	136.5	116.1	31.9	36.0	112.0	43.5	11.6	3.1	52.0	5.2	2.0	0.6	6.6	6.2	0.8	0.4	6.6	45.8	16.6	21.0	41.4	4.5	0.7	6.7	0.2	4.3	34.0

[a]Conversion factors taken from GTR RM-199 (54).

[b]U.S. Department of Agriculture, Forest Service (23); Pine Chemicals Association (33); 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 45).

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

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

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

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

[k]Doesn't include OSB until 1980.

[l]Doesn't include OSB.

[m]Doesn't include OSB, MDF,and Paperboard until 1967.

[n]Prior to 2000, Pulpwood Logs are not included in logs.

[r]Revised

[z]Not Available.

Table 8b—Production, imports, exports, and consumption of timber products (excludes additives and fillers) in tons, by major product, 1965–2013(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[j]	Logs[n]		Pulpwood chip		Fuel-wood production and consumption
Year	Production	Consumption	Production	Imports	Exports	Consumption	Production	Imports	Exports	Consumption	Production	Imports	Exports	Consumption[g]	Production[h]	Imports[i]	Exports[m]	Consumption	Production	Imports[h]	Exports[i]	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	127,365	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	40,013	28,612	156,092	52,368	17,344	2,613	67,098	8,352	1,429	499	9,282	8,711	813	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	42,777	28,750	159,743	54,465	17,973	3,008	69,429	8,396	1,653	506	9,543	9,008	1,036	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	44,882	29,696	160,056	53,348	18,392	3,218	68,522	8,385	1,688	470	9,602	8,929	1,196	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	134,663	44,743	26,437	153,422	50,850	18,718	2,717	66,851	7,330	1,851	350	8,830	7,866	1,401	378	9,363	54,100	21,584	12,902	62,782	4,410	1,032	5,665	157	4,424	25,729
2002[r]	159,126	180,656	134,444	46,347	24,938	156,529	51,870	19,664	2,712	68,822	7,358	2,359	324	9,393	8,407	1,385	343	9,464	53,807	21,599	13,813	61,593	4,381	1,207	5,461	132	3,171	24,126
2003	155,250	181,491	131,203	48,032	21,792	157,444	50,582	19,927	2,614	67,895	7,129	2,541	339	9,331	8,229	1,576	280	9,525	53,276	22,493	10,961	64,808	4,389	1,119	5,002	377	2,596	24,047
2004	160,532	191,482	136,089	54,160	23,210	167,038	53,765	23,158	2,671	74,252	7,099	3,743	416	10,426	8,657	2,004	403	10,259	54,219	23,366	11,761	65,824	4,389	1,020	5,142	870	2,818	24,444
2005	161,960	192,809	137,357	54,327	23,477	168,207	54,565	23,439	2,764	75,240	6,948	3,902	367	10,483	8,650	2,163	428	10,385	55,166	22,421	12,279	65,308	4,389	1,583	4,851	819	2,788	24,602
2006	160,166	187,903	135,484	51,303	23,566	163,221	53,371	21,273	3,000	71,644	6,479	3,601	335	9,745	8,484	2,126	512	10,099	55,432	22,370	12,418	65,384	4,417	1,316	4,762	616	2,540	24,682
2007	152,127	170,501	126,651	43,814	25,439	145,026	49,425	17,036	2,706	63,755	5,969	2,852	380	8,441	7,782	1,809	475	9,115	50,622	20,965	13,512	58,075	4,486	939	4,922	214	3,445	25,475
2008	133,134	140,688	109,167	34,570	27,016	116,721	37,798	11,753	2,502	47,049	5,105	1,985	428	6,662	6,742	1,240	449	7,534	46,797	19,000	14,916	50,881	4,003	494	4,405	98	4,317	23,967
2009	119,070	120,721	96,849	26,117	24,466	98,499	32,634	8,404	2,089	38,949	4,373	1,576	320	5,629	5,683	932	399	6,215	42,299	14,749	13,849	43,199	4,051	399	4,528	56	3,281	22,222
2010	119,276	118,908	97,371	27,769	28,418	96,722	31,954	8,822	2,410	38,366	4,546	1,768	517	5,797	5,633	834	374	6,094	41,531	15,697	15,460	41,768	4,051	447	5,716	200	3,941	21,904
2011	122,968	119,633	101,286	27,056	30,959	97,384	35,180	8,730	2,693	41,217	4,536	1,787	489	5,833	5,618	691	332	5,978	41,144	15,226	16,688	39,682	4,051	422	6,815	200	3,941	21,682
2012	131,258	122,626	102,370	27,092	29,046	100,417	36,544	9,183	2,618	43,109	4,619	1,761	533	5,847	5,618	710	322	6,006	41,531	14,548	15,565	40,514	4,051	691	6,067	200	3,941	28,888
2013	136,092	123,806	105,300	28,973	32,687	101,586	39,423	10,528	2,809	47,142	4,687	1,855	531	6,011	5,618	710	322	6,006	41,513	15,025	19,017	37,522	4,051	655	6,067	200	3,941	30,793

[a]Conversion factors taken from GTR RM-199 (54).

[b]U.S. Department of Agriculture, Forest Service (47); Pine Chemicals Association (33); 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 45).

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

[r]Revised

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

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

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

[k]Doesn't include OSB until 1980.

[l]Doesn't include OSB.

[m]Doesn't include OSB, MDF,and Paperboard until 1967.

[n]Prior to 2000, Pulpwood Logs are not included in logs.

[z]Not Available.

Table 9—U.S. annual industrial wood product production in thousands of short tons, product weight, 1965–2013[a]

Year	Total	Softwood plywood[b]	Oriented strandboard[b]	Laminated veneer lumber[b]	Hardwood plywood and veneer[c]	Softwood lumber[d]	Hardwood lumber[d]	Lumber made at pallet plants[e]	Particleboard production[f]	Hardboard production[g]	Medium-density fiberboard production[f]	Pulp paper and board[h]	Other industrial products, production and consumption[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	193,159	9,557	7,441	833	1,487	35,110	21,259	735	6,756	1,182	2,093	100,900	4,950	857
2001	182,836	8,269	7,833	935	1,381	33,760	19,970	735	5,760	1,038	1,946	95,080	5,273	857
2002[r]	185,987	8,313	8,391	982	1,376	34,979	19,828	735	6,207	912	2,280	95,890	5,238	857
2003	182,803	8,042	8,509	1,181	1,343	35,738	17,709	735	5,603	1,345	2,261	94,232	5,247	857
2004	191,271	8,020	8,919	1,510	1,327	38,147	18,662	735	6,053	1,212	2,457	98,124	5,247	857
2005	191,576	7,837	9,366	1,586	1,311	38,825	18,829	735	5,781	1,358	2,588	97,256	5,247	857
2006	190,095	7,343	9,350	1,402	1,188	37,806	18,586	735	5,702	1,209	2,610	98,025	5,280	857
2007	183,916	6,695	9,227	1,185	1,162	34,323	17,901	735	4,982	1,035	2,656	97,795	5,363	857
2008	163,234	5,598	8,127	823	1,115	28,484	11,453	735	4,101	911	2,400	93,844	4,785	857
2009	143,834	4,708	5,999	516	1,040	22,688	11,794	735	3,085	696	2,350	84,524	4,843	857
2010	148,520	4,994	6,437	649	985	24,213	9,550	735	3,216	849	2,000	89,193	4,843	857
2011	150,783	4,911	6,274	667	1,051	26,119	11,053	735	3,221	771	2,053	88,228	4,843	857
2012	152,179	5,021	6,899	807	1,051	27,585	11,028	735	3,220	563	2,294	87,276	4,843	857
2013	143,918	5,112	7,808	928	1,051[p]	29,262	12,385	735	3,220	771	2,429	86,895	4,843	857

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

[b]APA – The Engineered Wood Association (11).

[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). Hardwood Market Report (19a): 2008-present.
[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) (15).

[g]Shipments data from American Hardboard Association (1965-1997) and as reported by Miller Freeman (1998); 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 U.S. Timber Production, Trade, Consumption, and Price Statistics reports (USDA Forest Service).
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.

[p]Preliminary

[z]Not Available.

Table 10—Industrial wood productivity, 1965–2013[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			(percent)[e]		
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	18.24	0.6571	118,211	3,211	9,752	12,963	179,886	163,189	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	0.8000	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	24.48	0.8647	190,698	5,259	10,319	15,577	220,533	200,063	37.1%	270.3	1,411
1999	25.34	0.8858	197,420	5,255	10,328	15,583	220,593	200,118	37.1%	273.2	1,445
2000	25.01	0.8840	194,210	5,201	10,327	15,528	219,707	199,313	39.1%	282.1	1,377
2001	24.96	0.8835	184,844	4,857	9,953	14,810	209,218	189,798	39.1%	284.8	1,298
2002	25.49	0.8983	188,404	4,762	10,021	14,783	208,578	189,218	40.0%	287.5	1,311
2003	25.31	0.9030	182,803	4,213	10,233	14,445	202,432	183,643	37.5%	291.1	1,256
2004	27.55	0.9897	191,271	3,628	10,257	13,884	193,259	175,321	37.2%	294.0	1,301
2005	27.22	0.9780	191,576	3,669	10,406	14,075	195,889	177,707	37.8%	296.7	1,291
2006	27.49	0.9874	190,095	3,612	10,220	13,832	192,526	174,656	37.7%	289.8	1,312
2007	27.39	0.9832	183,916	3,563	9,864	13,427	187,068	169,705	37.9%	301.7	1,219
2008	27.85	1.0048	163,234	2,841	8,880	11,721	162,457	147,378	34.7%	304.5	1,072
2009	27.70	0.9961	143,834	2,668	7,716	10,384	144,391	130,989	37.4%	307.2	936
2010	27.69	1.0008	148,520	2,509	8,218	10,727	148,401	134,626	38.0%	309.8	959
2011	26.69	0.9643	150,783	2,660	8,640	11,299	156,366	141,852	37.2%	312.0	967
2012	26.21	0.9488	152,146	2,633	8,978	11,611	160,360	145,476	36.4%	314.3	968
2013	25.87	0.9362	154,868	2,746	9,225	11,971	165,430	150,075	37.1%	316.5	979

[a]U.S. Department of Agriculture, Forest Products Laboratory (21); American Forest & Paper Association (3).

[b]The average specific gravity for hardwood is .52.

[c]The average specific gravity for softwood is .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.

[e]Utilization Rate is the ratio of recovered paper consumuption to total production of paper and board

Table 11a—Per capita consumption of timber products, by major product, 1965–2013[a]

Year	All products	Industrial roundwood used for									
		Total roundwood	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	73.8	67.6	36.0	196	6.4	30	22.1	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	61.9	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	72.1	66.1	35.7	194	4.7	22	24.5	0.3	1.1	6.0	0.075
1999	71.9	66.0	36.6	199	4.8	22	23.5	0.3	1.1	5.9	0.074
2000	69.7	63.9	35.1	191	4.6	21	23.2	0.3	1.1	5.7	0.072
2001	67.6	61.9	34.1	185	4.3	20	22.4	0.3	1.1	5.7	0.071
2002[r]	67.3	62.0	34.8	189	4.4	20	21.7	0.3	1.1	5.3	0.066
2003	66.6	61.4	34.2	186	4.3	20	21.8	0.3	1.1	5.2	0.065
2004	65.7	60.4	37.1	202	4.7	22	17.5	0.2	1.1	5.2	0.065
2005	65.9	60.7	37.3	203	4.7	22	17.6	0.2	1.1	5.2	0.065
2006	65.2	59.8	36.3	198	4.5	21	17.9	0.2	1.1	5.4	0.067
2007	58.1	52.8	30.8	168	3.7	17	17.2	0.2	1.1	5.3	0.066
2008	47.9	42.9	22.8	124	2.9	13	16.3	0.2	1.0	5.0	0.062
2009	40.9	36.3	18.3	100	2.4	11	14.8	0.2	0.8	4.6	0.057
2010	41.1	36.6	18.2	99	2.5	11	15.1	0.2	0.8	4.5	0.056
2011	41.8	37.5	19.3	105	2.4	11	14.9	0.2	0.8	4.4	0.055
2012	43.3	38.7	20.1	109	2.5	11	15.4	0.2	0.7	4.6	0.057
2013	43.8	39.0	21.8	119	2.6	12	13.9	0.2	0.7	4.8	0.060

[a]U.S. Department of Agriculture, Forest Service (48).
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.

[r]Revised

Table 11b—Per capita consumption of timber products, by major product, 1965–2013 (cubic meters)[a]

		Industrial roundwood used for					
Year	All products	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	2.090	1.916	1.019	0.182	0.625	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	0.640	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	2.043	1.872	1.012	0.134	0.694	0.032	0.171
1999	2.036	1.868	1.037	0.135	0.665	0.031	0.168
2000	1.973	1.810	0.993	0.129	0.658	0.030	0.163
2001	1.913	1.752	0.964	0.122	0.634	0.032	0.161
2002[r]	1.906	1.756	0.986	0.124	0.615	0.031	0.150
2003	1.887	1.739	0.969	0.122	0.618	0.031	0.147
2004	1.860	1.711	1.052	0.134	0.495	0.031	0.148
2005	1.866	1.718	1.056	0.134	0.497	0.030	0.148
2006	1.846	1.694	1.029	0.126	0.507	0.031	0.152
2007	1.646	1.495	0.873	0.105	0.486	0.031	0.151
2008	1.357	1.216	0.646	0.082	0.461	0.027	0.140
2009	1.158	1.029	0.519	0.067	0.419	0.023	0.129
2010	1.163	1.037	0.516	0.069	0.428	0.022	0.126
2011	1.185	1.061	0.547	0.069	0.423	0.022	0.124
2012	1.226	1.096	0.570	0.070	0.436	0.020	0.130
2013	1.241	1.105	0.617	0.073	0.394	0.021	0.136

[a]U.S. Department of Agriculture, Forest Service (34).
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.

[r]Revised

Table 12—Consumption of selected timber products and other materials used in construction, manufacturing, and shipping, 1965–2013[a]

	Lumber						Plywood					
	Total		Softwoods		Hardwoods		Total		Softwoods		Hardwoods	
Year	Consumption	Index 2009=100	Consumption	Index 2009=100	Consumption	Index 2009=100	Consumption	Index 2009=100	Consumption	Index 2009=100	Consumption	Index 2009=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	114.3	33.4	107.3	9.7	147.3	15.5	125.9	12.4	141.9	3.1	86.5
1966	42.7	113.4	32.7	105.2	10.0	152.1	16.3	132.5	13.0	148.7	3.3	93.0
1967	41.4	109.9	32.0	102.8	9.5	143.9	16.0	130.0	12.9	147.1	3.2	88.2
1968	43.1	114.3	34.1	109.6	9.0	136.7	18.5	150.3	14.6	167.3	3.9	108.6
1969	42.3	112.2	33.2	106.7	9.1	138.1	17.5	141.8	13.5	154.4	4.0	110.8
1970	40.8	108.2	32.2	103.5	8.6	130.4	18.0	146.2	14.2	162.6	3.8	105.9
1971	45.0	119.4	36.4	116.9	8.6	131.0	21.0	170.3	16.5	189.0	4.5	124.6
1972	47.5	126.1	38.8	124.6	8.7	133.1	23.3	188.8	18.1	206.9	5.2	144.4
1973	47.9	127.2	38.8	124.7	9.1	139.1	22.2	180.1	17.9	204.6	4.3	120.2
1974	41.6	110.5	32.9	105.8	8.7	132.4	18.3	148.6	15.3	175.3	3.0	83.3
1975	38.4	102.0	31.1	99.9	7.4	112.0	18.2	147.4	15.3	174.4	2.9	81.2
1976	44.1	117.1	36.1	115.9	8.1	122.8	21.1	171.2	17.7	202.7	3.4	94.0
1977	49.4	131.0	40.7	130.8	8.6	131.6	22.5	182.4	19.1	218.3	3.4	94.3
1978	51.4	136.5	42.5	136.6	8.9	135.8	23.4	189.7	19.7	225.4	3.6	102.0
1979	50.1	132.9	40.8	131.1	9.3	141.3	22.5	182.3	19.3	220.3	3.2	89.3
1980	42.8	113.5	33.8	108.7	9.0	136.2	18.2	147.6	16.0	182.8	2.2	61.5
1981	39.3	104.2	32.0	102.9	7.3	110.7	18.5	150.2	16.1	183.9	2.4	67.5
1982	39.1	103.9	31.3	100.6	7.8	119.3	18.6	151.0	15.4	176.0	3.2	89.9
1983	48.4	128.5	39.9	128.2	8.5	129.9	23.1	187.4	18.9	216.2	4.2	116.6
1984	52.8	140.1	42.9	137.8	9.9	150.6	23.6	191.1	19.6	224.0	3.9	110.5
1985	54.0	143.3	44.4	142.8	9.6	145.4	24.3	196.8	19.9	227.4	4.4	121.9
1986	57.9	153.7	47.6	153.0	10.3	156.8	26.1	211.5	21.6	246.5	4.5	125.9
1987	61.5	163.2	50.5	162.2	11.0	167.9	27.5	223.1	22.2	254.1	5.3	147.4
1988	59.2	157.1	48.3	155.4	10.9	165.2	26.4	214.2	21.7	247.9	4.7	131.8
1989	60.6	160.9	49.1	157.7	11.5	175.7	23.3	189.4	20.0	228.4	3.4	93.9
1990	57.4	152.4	45.7	147.0	11.7	177.9	22.4	181.6	19.3	221.1	3.0	84.9
1991	52.1	138.2	41.6	133.8	10.4	158.9	20.1	162.7	17.4	198.3	2.7	75.4
1992	55.8	148.1	45.1	145.0	10.7	162.8	20.8	168.5	17.9	205.0	2.8	79.3
1993	57.2	151.7	45.7	146.9	11.5	174.8	20.9	169.9	17.9	205.1	3.0	83.6
1994	59.8	158.8	48.2	154.8	11.6	177.3	21.7	175.9	18.5	211.1	3.2	89.6
1995	59.5	157.9	47.6	152.9	11.9	181.8	21.6	175.6	18.2	207.5	3.5	97.5
1996	61.3	162.6	49.5	159.1	11.8	179.2	21.2	172.4	18.0	205.9	3.2	90.3
1997	62.9	167.0	51.0	164.0	11.9	181.1	20.1	163.4	16.5	188.8	3.6	101.4
1998	64.5	171.0	52.2	167.9	12.2	186.0	21.2	172.0	17.2	196.4	4.0	112.1
1999	66.8	177.4	54.4	174.9	12.4	189.1	21.7	175.9	17.3	198.2	4.3	121.2
2000	66.1	175.4	54.0	173.6	12.1	184.1	21.7	176.3	17.1	196.0	4.6	128.1
2001	64.9	172.4	53.7	172.6	11.3	171.4	19.8	160.4	15.3	174.5	4.5	125.8
2002	67.1	178.1	55.8	179.5	11.3	171.5	20.8	168.7	15.7	179.0	5.1	143.4
2003	67.0	177.7	56.8	182.7	10.1	154.2	20.6	167.2	15.6	178.3	5.0	139.9
2004	73.5	195.1	62.8	201.7	10.8	164.0	22.5	182.8	16.2	185.1	6.3	177.3
2005	74.5	197.7	63.6	204.3	10.9	166.5	22.6	183.4	16.3	186.7	6.3	175.3
2006	70.9	188.2	60.6	194.7	10.3	157.5	21.0	170.1	14.9	169.7	6.1	171.0
2007	62.5	165.8	52.6	168.9	9.9	151.1	18.3	148.1	12.8	146.0	5.5	153.2
2008	46.9	124.4	40.7	130.7	6.2	94.4	14.6	118.2	10.4	118.6	4.2	117.5
2009	37.7	100.0	31.1	100.0	6.6	100.0	12.3	100.0	8.8	100.0	3.6	100.0
2010	38.1	101.1	32.9	105.8	5.2	78.5	12.2	98.8	8.8	100.3	3.4	96.3
2011	40.5	107.4	34.4	110.5	6.1	92.7	12.2	99.1	8.7	99.6	3.5	97.8
2012	42.4	112.6	36.4	117.0	6.0	92.0	12.4	100.3	8.8	100.2	3.6	100.9
2013	45.6	121.0	39.6	127.3	6.0	91.3	12.7	103.3	9.1	104.3	3.6	101.8

Table 12—Consumption of selected timber products and other materials used in construction, manufacturing, and shipping, 1965–2013[a]—Con.

Year	Particleboard[b]		Insulating board		Hardboard		Portland cement[c]		Steel products[d]		Brick[e]	
	Consumption	Index 2009=100	Consumption	Index 2009=100	Shipments	Index 2009=100	Shipments	Index 2009=100	Shipments	Index 2009=100	Shipments	Index 2009=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	6,897	108.4	2,470	100.0	4,300	81.4	114,329	115.8	8,400	105.8	8,241	110.6
1999	7,315	114.9	2,470	100.0	4,386	83.1	120,024	121.6	8,800	110.8	8,932	119.9
2000	7,986	125.5	2,470	100.0	3,781	71.6	121,332	122.9	8,767	110.4	8,617	115.7
2001	7,224	113.5	2,470	100.0	3,322	62.9	89,410	126.3	9,188	115.7	7,955	106.8
2002[r]	7,200	113.1	2,470	100.0	2,919	55.3	88,157	122.8	8,869	111.7	8,110	108.9
2003	6,972	109.5	2,470	100.0	4,304	81.5	92,295	126.1	9,953	125.3	8,520	114.4
2004	7,608	119.5	2,470	100.0	3,880	73.5	96,119	134.8	10,011	126.0	9,389	126.1
2005[r]	7,322	115.0	2,470	100.0	4,347	82.3	95,725	142.2	9,208	115.9	9,419	126.5
2006	6,989	109.8	2,470	100.0	3,870	73.3	93,456	142.8	9,524	119.9	8,900	119.5
2007	6,345	99.7	2,470	100.0	3,312	62.7	92,268	128.9	10,150	127.8	7,237	97.2
2008	5,404	84.9	2,470	100.0	2,916	55.2	84,527	108.7	9,657	121.6	5,054	67.9
2009	4,671	73.4	2,470	100.0	2,226	42.2	64,081	79.8	9,657	121.6	3,586	48.1
2010	4,634	72.8	2,470	100.0	2,718	51.5	70,059	79.4	8,350	105.1	3,496	46.9
2011	4,676	73.5	2,470	100.0	2,466	444.0	72,404	81.9	7,379	4.0	[z]	[z]
2012	3,089	48.5	2,470	100.0	2,466	445.0	78,866	80.1	7,379	5.0	[z]	[z]
2013	2,321	48.5	2,470	100.0	2,466	445.0	81,768	80.1	7,379	5.0	[z]	[z]

[a]American Plywood Association (11,12, 13); Composite Panel Association (15); U.S. Department of Commerce, Bureau of Industrial Economics (76); Wood Technology (92); U.S. International Trade Commission (86,87). Hardwood Market Report (19a): 2008-present.

[b]Includes medium-density fiberboard.

[c]U.S. Geological Survey (85).

[d]American Iron & Steel Institute (8). Construction, including maintenance; Net shipments.

[e]U.S. Department of Commerce, Bureau of the Census (57,58)

[r]Revised

[z]Data no longer available

Table 13—Volume and value of imports and exports of timber products by product, 2013

Product	Standard unit of measure	Imports[a]		Exports		Trade Balance[d]	
		Volume	Value *Million dollars*	Volume	Value[c] *Million dollars*	Volume	Value[c] *Million dollars*
Logs:[g,f,k]	Million board feet						
Softwoods		120.0	59.8	2,541.0	1,779.1	2,421.0	1,719.3
Hardwoods		555.8	28.5	1,610.4	617.9	1,054.6	589.4
Total		675.8	88.3	4,151.4	2,397.0	3,475.6	2,308.7
Lumber:[g,e,m]	Million board feet						
Softwoods		11,358.0	297.4	1,788.0	972.6	(9,570.0)	675.2
Hardwoods		811.4	375.5	280.2	144.0	(531.2)	(231.5)
Railroad ties[f]		4.7	4.3	0.3	131.0	(4.4)	126.8
Total		12,174.1	677.2	2,068.5	1,247.6	(10,105.6)	570.5
Veneer:	Million square feet						
Softwoods[e,f]	3/8" thickness	1,518.2	144.7	180.0	33.3	(1,338.2)	(111.4)
Hardwoods[e,f,g]		196.5	192.5	254.5	288.9	58.0	96.4
Total		1,714.7	337.2	434.5	322.2	(1,280.2)	(15.0)
Plywood:[e,f]	Million square feet						
Softwoods	3/8" thickness	271.0	194.2	413.5	156.4	142.5	(37.8)
Hardwoods	3/8" thickness	2,075.80	1,833.5	439.60	200.0	(1,636.2)	(1,633.5)
Total		616.0	2,027.7	836.0	356.4	220.0	(1,671.3)
Particleboard[e]	Million square feet						
	3/4" thickness	422.4	176.5	101.2	61.2	(321.2)	(115.3)
Med. Dens. Fiberboard[e]	Million square feet						
	3/4" thickness	1,616.9	821.9	707.6	145.2	(909.3)	(676.7)
OSB/Waferboard[e]	Million square feet						
	3/8" thickness	2,462.4	1,101.8	455.2	89.8	(2,007.2)	(1,012.0)
Hardboard[e]	Million square feet						
	1/8" thickness assumed	380.3	90.5	389.9	68.3	9.6	(22.2)
Pulpwood:	Thousand cords						
Round[g,f]		70.4	4.0	307.4	37.1	237.0	33.0
Chips[g]		27.2	4.7	1,043.0	233.7	1,015.9	229.0
Total		97.6	8.7	1,350.5	270.8	1,252.9	262.0
Wood pulp[g]	Thousand short tons	6,112.0	3,485.0	8,147.0	5,369.0	2,035.0	1,884.0
Paper and board:[g,h]	Thousand short tons						
Newsprint		2,332.0	1,290.0	848.0	445.0	(1,484.0)	(845.0)
Printing & Writing Paper		5,415.0	4,345.0	2,504.0	2,396.0	(2,911.0)	(1,949.0)
Paperboard		1,926.0	1,620.0	8,297.0	5,531.0	6,371.0	3,911.0
Other paper & board[i]		1,145.0	944.0	876.0	582.0	(269.0)	(362.0)
Converted products		2,122.0	6,092.0	2,803.0	6,298.0	681.0	206.0
Total		12,940.0	14,291.0	15,328.0	15,252.0	2,388.0	961.0
Recovered Paper[g]	Thousand short tons	894.0	123.0	20,794.0	3,140.0	19,900.0	3,017.0
Other wood products[j]			261.4		387.9		126.5
Total all products[k,f,l]			23,490.2		29,107.4		5,617.2

[a]Imports for consumption.

[b]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.

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

[d]Negative amounts, given in parentheses, indicate imports exceed exports.

[e]U.S. Department of Agriculture, Foreign Agricultural Service (91).

[f]U.S. International Trade Commission (84).

[g]American Forest and Paper Association (3,4,5).

[h]Includes wet machine board and converted paper and paperboard products.

[i]Includes tissue, packaging and industrial papers, wet machine board and construction paper & board

[j]Includes poles and piling, fuelwood, wood charcoal, cork, wood containers wood doors, and other miscellaneous products. Does not include wood furniture nor printed material.

[k]Includes Pulpwood Logs.

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

[m]Western Wood Products Association (86).

Table 14—Value of imports and exports of all commodities[a] and timber products, 1965–2013

Year	Imports[c]					Exports[d]				
	All commodities		Timber products			All commodities		Timber products		
			Total		Proportion[e]			Total		Proportion[e]
	Million current dollars	*Million 2009 dollars[f]*	*Million current dollars*	*Million 2009 dollars*	*Percent*	*Million current dollars*	*Million 2009 dollars*	*Million current dollars*	*Million 2009 dollars*	*Percent*
1965	21,285	65,898	1,977	6,121	9.3	27,135	84,009	917	2,839	3.4
1966	25,360	76,156	2,165	6,502	8.5	29,884	89,742	1,024	3,075	3.4
1967	26,733	80,039	2,087	6,249	7.8	31,142	93,240	1,150	3,443	3.7
1968	32,970	96,404	2,446	7,152	7.4	33,953	99,278	1,362	3,982	4.0
1969	35,863	100,739	2,734	7,680	7.6	37,462	105,230	1,509	4,239	4.0
1970	39,756	107,740	2,546	6,900	6.4	42,590	115,420	1,816	4,921	4.3
1971	45,516	119,465	2,937	7,709	6.5	43,492	114,152	1,692	4,441	3.9
1972	55,290	138,920	3,632	9,126	6.6	48,887	122,832	2,038.0	5,121	4.2
1973	69,024	153,387	4,468	9,929	6.5	70,246	156,102	3,006.0	6,680	4.3
1974	100,140	187,178	4,778	8,931	4.8	97,144	181,578	4,165.0	7,785	4.3
1975	96,477	165,200	4,141	7,091	4.3	106,102	181,682	4,088.0	7,000	3.9
1976	121,121	198,234	5,590	9,149	4.6	113,319	185,465	4,695.0	7,684	4.1
1977	147,976	228,006	6,720	10,354	4.5	117,926	181,704	4,664.0	7,186	4.0
1978	172,912	247,371	8,028	11,485	4.6	141,126	201,897	4,963.0	7,100	3.5
1979	205,850	261,563	9,181	11,666	4.5	178,591	226,926	6,854.0	8,709	3.8
1980	239,943	267,197	8,648	9,630	3.6	216,592	241,194	8,516.0	9,483	3.9
1981	259,012	264,298	9,042	9,227	3.5	228,961	233,634	7,925.0	8,087	3.5
1982	242,340	242,340	8,382	8,382	3.5	207,158	207,158	7,151.0	7,151	3.5
1983	256,680	253,386	10,067	9,938	3.9	195,969	193,454	7,044.0	6,954	3.6
1984	322,949	311,426	12,235	11,798	3.8	212,056	204,490	7,210.0	6,953	3.4
1985	343,067	332,429	12,539	12,150	3.7	206,926	200,510	6,699.0	6,491	3.2
1986	368,251	367,516	13,271	13,245	3.6	206,628	206,216	7,692.0	7,677	3.7
1987	402,084	391,132	15,268	14,852	3.8	244,417	237,760	9,940.0	9,669	4.1
1988	437,475	409,238	16,749	15,668	3.8	310,333	290,302	12,782.0	11,957	4.1
1989	477,400	425,490	19,106	17,029	4.0	362,100	322,727	17,224.0	15,351	4.8
1990	498,300	428,461	18,806	16,170	3.8	389,300	334,738	18,542.0	15,943	4.8
1991	491,000	421,459	17,100	14,678	3.5	416,900	357,854	19,500.0	16,738	4.7
1992	536,500	457,765	18,700	15,956	3.5	440,400	375,768	20,700.0	17,662	4.7
1993	589,400	495,711	18,874	15,874	3.2	456,800	384,188	16,889.0	14,204	3.7
1994	668,600	555,316	17,117	14,217	2.6	502,400	417,276	15,320.3	12,725	3.0
1995	749,600	601,123	19,023	15,255	2.5	575,800	461,748	17,582.0	14,099	3.1
1996	803,300	629,052	21,264	16,652	2.6	612,000	479,248	18,315.0	14,342	3.0
1997	877,300	687,539	27,375	21,454	3.1	679,300	532,367	21,386.0	16,760	3.1
1998	918,800	738,585	28,684	23,058	3.1	670,600	539,068	19,261.1	15,483	2.9
1999	1,030,400	821,036	32,263	25,708	3.1	683,200	544,382	19,483.0	15,524	2.9
2000	1,224,400	922,683	34,300	25,848	2.8	772,000	581,763	21,760.2	16,398	2.8
2001	1,145,900	853,875	32,250	24,032	2.8	718,800	535,618	18,930.6	14,106	2.6
2002	1,166,900	890,084	32,348	24,674	2.8	682,600	520,671	18,738.6	14,293	2.7
2003	1,260,700	912,889	33,644	24,362	2.7	713,400	516,582	19,230.3	13,925	2.7
2004	1,488,300	1,014,519	42,042	28,658	2.8	807,500	550,443	21,136.0	14,408	2.6
2005	1,695,800	1,077,382	43,914	27,900	2.6	892,600	567,090	22,727.7	14,439	2.5
2006	1,878,200	1,139,684	42,860	26,007	2.3	1,039,400	630,704	24,700.3	14,988	2.4
2007	1,986,300	1,148,814	31,117.2	17,997	1.6	1,163,600	672,990	44,597.1	25,794	3.8
2008	2,141,300	1,129,378	27,960.8	14,747	1.3	1,307,300	689,504	26,082.3	13,756	2.0
2009	1,580,000	913,823	19,148.9	11,075	1.2	1,069,500	618,566	22,547.3	13,041	2.1
2010	1,939,000	1,049,811	21,456.0	11,617	1.1	1,288,800	697,780	27,205.0	14,729	2.1
2011	2,240,000	1,114,428	22,119.6	11,005	1.0	1,495,900	744,229	29,815.3	14,833	2.0
2012	2,302,700	1,138,823	22,119.6	10,939	1.0	1,561,200	772,107	29,815.3	14,745	1.9
2013	2,293,600	1,134,322	23,490.2	11,488	1.0	1,589,700	786,202	29,107.4	14,395	1.8

[a]U.S. Council of Economic Advisors (42).

[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, 1975–2013

			Foreign currency units per U.S. dollar																							
	Country	Currency	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1990	1985	1980	1975
North America																											
	Canada	Dollar	1.0300	0.9995	0.9887	1.0298	1.1412	1.066	1.0734	1.134	1.2115	1.3017	1.4008	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	6.1478	6.3093	6.463	6.7696	6.8307	6.9477	7.6058	7.9723	8.1936	8.2768	8.277	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	7.7565	7.7569	7.7841	7.7687	7.7514	7.7862	7.8016	7.7681	7.7775	7.7891	7.7875	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	58.51	53.37	46.58	45.65	48.33	43.39	41.18	45.19	44	45.26	46.59	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	97.60	79.82	79.70	87.78	93.68	103.39	117.76	116.31	110.11	108.15	115.94	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	3.1488	3.0862	3.0564	3.2175	3.5231	3.3292	3.4354	3.6661	3.7869	3.8	3.8000	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	1.2511	1.2492	1.2565	1.3629	1.4543	1.414	1.5065	1.5882	1.6639	1.6902	1.743	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	1094.67	1126.16	1106.94	1155.74	1274.63	1098.71	928.97	954.32	1023.75	1145.24	1192.08	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	129.046	127.539	110.469	112.99	114.909	108.298	110.62	103.94	100.383	101.268	96.541	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	29.680	29.558	29.382	31.498	33.02	31.521	32.852	32.506	32.131	33.372	34.405	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	30.696	31.055	30.462	31.7	34.31	32.962	32.203	37.876	40.252	40.271	41.556	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	9.6436	8.2014	7.251	7.3161	8.4117	8.248	7.0477	6.7668	6.3606	6.4402	7.5550	10.5176	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	18.275	17.69475554	19.16989186	18.24753383	19.1750	20.263	18.867	17.287	17.130	17.115	15.578	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	53.575	51.87307741	56.19751469	53.5731139	56.2137	59.405	55.310	50.679	50.219	50.175	45.669	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	5.617	5.7922	5.3535	5.6266	5.3574	5.0885	5.4413	5.9422	5.9953	5.9891	6.5774	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	1.3281	1.2859	1.3931	1.3261	1.3935	1.4726	1.3711	1.2563	1.2449	1.2438	1.1321	0.9454	0.8952	0.9232	1.0653	z	z	z	z	z	z	z	z	z	z
	Finland	Markka	7.897	7.645614207	8.282996463	7.884632553	8.2854	8.7557	8.1522	7.4696	7.4018	7.3953	6.7312	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	8.712	9.138136967	8.698645777	9.140760795	9.1408	9.6596	8.9938	8.2408	8.1660	8.1588	7.4261	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	2.598	2.515001797	2.724666773	2.593626163	2.7254	2.8802	2.6816	2.4571	2.4348	2.4327	2.2142	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	z	z	z	z	z	z	z	z	z	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]	1.046	1.012728548	1.097155408	1.04438862	1.0975	1.1598	1.0798	0.9894	0.9804	0.9796	0.8916	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	2571.56	2524.568893	2735.031437	2603.492347	2,698.19	2,851.35	2,654.82	2,432.54	2,410.46	2,408.33	2,192.05	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	2.927	2.833750689	3.069988401	2.922339831	3.0709	3.2452	3.0215	2.7685	2.7434	2.7410	2.4948	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	5.8772	5.8181	5.6022	6.0451	6.2908	5.6365	5.8557	6.4095	6.4412	6.7399	7.0803	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	266.26	257.7998038	279.2914742	265.8591802	279.37	295.23	274.88	251.87	249.58	249.36	226.97	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	220.977	213.9557574	231.7923366	220.6444746	231.86	245.02	228.13	209.03	207.13	206.95	188.37	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	6.5124	6.7721	6.4878	7.2053	7.6539	6.5846	6.755	7.3718	7.471	7.348	8.0787	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	0.9269	0.9377	0.8862	1.0432	1.0860	1.0816	1.1999	1.2532	1.2459	1.2428	1.3450	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]	1.5642	1.5853	1.6043	1.5452	1.5661	185.45	200.2	184.34	182.04	183.3	163.47	150.25	143.96	151.56	161.72	165.73	163.76	156.07	157.85	153.19	150.16	178.41	129.74	232.58	222.16
Other																											
	Australia	Dollar[b]	0.9392	1.0359	1.0332	0.92	0.7927	85.37	83.91	75.35	76.27	73.65	65.24	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]	0.8803	0.8105	0.792	0.7216	0.6358	71.51	73.65	64.92	70.49	66.43	58.22	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]	76.05	73.50	70.88	75.39	77.69	74.42	77.84	82.46	83.78	85.37	93	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 (83,84).
[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.
[e]Not Available

Table 16—Log imports by major species, 1965–2013 (million board feet, log scale)[a,c]

			Hardwoods				
Year	Total	Softwoods[b]	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	[f]	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	[f]	7.4	5.0
1981	101.1	87.6	13.5	0.6	[f]	8.7	4.2
1982	117.1	98.8	18.3	0.8	[f]	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	[f]	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	[f]	3.7	5.4
1991	13.6	7.6	6.0	0.9	[f]	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	[f]	3.9	3.2
1994	110.4	94.3	16.0	1.3	[f]	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
2003	497.4	430.8	66.6	2.3	0.3	5.3	58.7
2004	453.5	388.7	64.8	2.3	0.3	7.3	54.9
2005	704.0	609.4	94.5	2.3	0.3	11.5	80.4
2006	585.4	529.7	55.7	2.3	0.3	9.1	44.1
2007	417.7	387.7	30.0	2.3	0.3	5.0	22.4
2008	219.8	186.9	32.9	2.3	0.3	5.1	25.3
2009	177.5	89.9	87.6	2.3	0.3	5.5	79.5
2010	198.9	98.5	100.4	2.3	0.3	8.4	89.3
2011	187.7	90.7	97.0	2.3	0.3	6.7	87.7
2012	307.1	135.9	171.2	2.3	0.3	13.1	155.6
2013	291.2	120.0	171.2	2.3	0.3	13.1	155.5

[a]U.S. Department of Commerce, Bureau of the Census (67, 72); U.S. Department of Agriculture, Foreign Agricultural Service (44); U.S. International Trade Commission (86,87).

Data may not add to totals because of rounding.

[b]Western Wood Products Association 1965-1999 (88,89).

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

[f]Fewer than 50,000 board feet.

Table 17—Log imports by major region of origin, 1965–2013 (million board feet, log scale)[a,e]

Year	Total	Canada[b]	Mexico and Central America[c]	South America	Africa	Asia	Other[d]
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
2003	497.4	486.7	0.9	3.8	0.1	0.8	5.2
2004	453.5	446.8	0.5	2.0	0.3	0.5	3.4
2005	704.0	605.0	0.9	3.5	0.2	1.5	92.8
2006	585.4	495.0	0.9	8.6	0.7	0.9	79.3
2007	417.7	380.0	0.7	0.6	1.0	1.3	34.1
2008	219.8	186.0	4.9	0.4	0.2	1.6	26.7
2009	177.5	89.0	0.5	0.2	0.5	0.9	86.5
2010	198.9	90.0	0.4	1.4	0.1	1.4	105.5
2011	187.7	84.0	0.2	0.1	0.1	0.8	102.5
2012	307.1	133.0	0.1	0.1	0.2	0.2	173.5
2013	291.2	120.0	0.0	0.1	0.2	0.3	170.6

[a]U.S. Department of Agriculture, Foreign Agricultural Service (44); Western Wood Products Association (88,89); U.S. International Trade Commission (86,87).
Data may not add to totals because of rounding.
[b]American Forest and Paper Association 1965–1999 (2).
[c]Includes the West Indies.
[d]For the years 1974–1977, all imports with a value of less than $500 are included in Other.
[e]Prior to 2000, pulpwood logs are not included in logs.
[f]Fewer than 50,000 board feet.
[z]Not Available.
[r]Revised

Table 18—Log exports by major species, 1965–2013 (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
2003	2,224.4	1,636.8	495.6	0.9	123.6	1,016.7	587.6	19.2	568.4
2004	2,286.5	1,597.6	543.3	0.2	91.5	962.6	688.9	22.5	666.4
2005	2,157.3	1,606.9	476.2	0.4	76.8	1,053.5	550.4	24.7	525.6
2006	2,117.5	1,630.7	460.0	0.3	76.5	1,093.9	486.8	28.5	458.4
2007	2,188.8	1,675.5	476.6	0.2	119.5	1,079.2	513.3	41.6	471.6
2008	1,959.0	1,523.6	512.3	0.1	146.6	864.6	435.4	30.0	405.4
2009	2,013.5	1,644.3	664.2	0.0	189.2	790.9	369.2	16.7	352.5
2010	2,541.8	2,073.6	635.1	0.0	371.0	1,067.5	468.2	28.0	440.2
2011	3,030.7	2,501.0	1,035.3	0.0	517.8	947.8	408.7	30.4	378.2
2012	2,698.0	2,110.0	763.9	0.3	440.9	904.9	417.7	21.3	396.4
2013	2,698.0	2,546.0	763.9	0.3	440.9	1,340.8	417.7	21.3	396.4

[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 (86).

[c]U.S. International Trade Commission (87).

[d]Western hemlock is included in Other.

Data may not add to totals because of rounding.

Table 19—Log exports by major region of destination, 1965–2013 (million board feet, Scribner log scale)[a,c]

Year	Total	Canada	European Union[b]	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
2003	2,224.4	1,194.6	75.5	649.7	168.7	40.0	95.8
2004	2,286.5	1,110.3	72.6	642.2	157.2	74.4	229.8
2005	2,157.3	1,168.0	66.8	573.5	174.6	93.8	80.5
2006	2,117.5	1,100.9	73.9	559.6	207.9	104.3	71.0
2007	2,188.8	944.8	118.5	566.7	273.4	149.7	135.7
2008	1,959.0	671.0	117.8	658.1	344.2	168.5	-0.8
2009	2,013.5	875.8	76.5	435.0	298.1	270.4	57.7
2010	2,541.8	835.4	81.0	424.7	290.0	780.1	130.7
2011	3,030.7	718.7	73.6	457.7	283.4	1,383.9	113.5
2012	2,698.0	753.6	97.8	468.7	184.4	1,051.9	141.5
2013	3,067.0	810.8	99.0	523.0	173.0	1,291.4	169.8

[a]U.S. International Trade Commission (86,87). Data may not add to totals because of rounding.

[b]European Union includes Austria, Belguim–Luxembourg, Denmark, Finland, France, Germany, Greece, Ireland, Italy, the Netherlands, Portugal, Spain, Sweden, and UK.

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

[d] Fewer than 50,000 board feet.

Table 20—Average stumpage prices for sawtimber sold from National Forests, by selected species, 1965–2013 (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	*2009 dollars*	*Current dollars*	*2009 dollars*	*Current dollars*	*2009 dollars*	*Current dollars*	*2009 dollars*	*Current dollars*	*2009 dollars*	*Current dollars*	*2009 dollars*	*Current dollars*	*2009 dollars*
1965	42.6	131.9	31.7	98.1	19.8	61.3	19.1	59.1	25.0	77.4	21.3	65.9	[z]	[z]
1966	50.0	150.2	38.6	115.9	19.8	59.5	20.5	61.6	29.3	88.0	23.2	69.7	[z]	[z]
1967	41.7	124.9	38.3	114.7	22.2	66.5	21.8	65.3	27.0	80.8	16.8	50.3	[z]	[z]
1968	61.2	178.9	42.2	123.4	30.2	88.3	35.6	104.1	23.6	69.0	17.3	50.6	[z]	[z]
1969	82.2	230.9	51.7	145.2	71.0	199.4	45.1	126.7	30.2	84.8	28.2	79.2	[z]	[z]
1970	41.9	113.6	44.1	119.5	32.1	87.0	20.5	55.6	26.9	72.9	26.6	72.1	[z]	[z]
1971	49.0	128.6	52.2	137.0	37.6	98.7	20.6	54.1	24.6	64.6	21.2	55.6	[z]	[z]
1972	71.7	180.2	65.6	164.8	65.8	165.3	49.0	123.1	34.3	86.2	26.6	66.8	[z]	[z]
1973	138.1	306.9	93.4	207.6	92.3	205.1	99.2	220.4	46.0	102.2	43.6	96.9	93.6	208.0
1974	202.4	378.3	76.2	142.4	100.6	188.0	110.8	207.1	45.9	85.8	54.7	102.2	75.9	141.9
1975	169.5	290.2	57.0	97.6	71.2	121.9	68.8	117.8	33.9	58.0	29.7	50.9	42.1	72.1
1976	176.2	288.4	87.0	142.4	101.8	166.6	79.7	130.4	34.9	57.1	43.4	71.0	27.7	45.3
1977	225.9	348.1	100.3	154.5	131.4	202.5	89.3	137.6	37.9	58.4	60.0	92.4	47.4	73.0
1978	250.3	358.1	134.5	192.4	164.7	235.6	113.6	162.5	41.1	58.8	59.2	84.7	60.5	86.6
1979	394.4	501.1	155.2	197.2	239.0	303.7	200.8	255.1	46.8	59.5	68.8	87.4	68.9	87.5
1980	432.2	481.3	155.4	173.1	206.1	229.5	212.7	236.9	52.4	58.4	65.6	73.1	70.1	78.1
1981	350.2	357.3	172.0	175.5	195.2	199.2	163.4	166.7	50.9	51.9	63.2	64.5	67.8	69.2
1982	118.2	118.2	127.2	127.2	66.9	66.9	44.5	44.5	56.4	56.4	70.8	70.8	71.1	71.1
1983	161.6	159.5	140.6	138.8	104.0	102.7	62.2	61.4	60.1	59.3	87.9	86.8	55.1	54.4
1984	132.9	128.2	139.4	134.4	122.7	118.3	61.8	59.6	90.1	86.9	145.0	139.8	80.5	77.6
1985	126.2	122.3	90.7	87.9	101.4	98.3	50.5	48.9	65.4	63.4	94.5	91.6	70.0	67.8
1986	160.7	160.4	103.6	103.4	156.6	156.3	74.7	74.6	69.9	69.8	108.1	107.9	66.2	66.1
1987	190.2	185.0	135.7	132.0	209.3	203.6	105.4	102.5	88.1	85.7	146.8	142.8	80.5	78.3
1988	256.0	239.5	141.9	132.7	182.1	170.3	162.9	152.4	151.3	141.5	146.3	136.9	108.4	101.4
1989	389.8	347.4	313.4	279.3	292.0	260.2	223.3	199.0	135.8	121.0	178.9	159.4	128.6	114.6
1990	466.4	401.0	126.7	108.9	252.2	216.9	203.0	174.5	146.1	125.6	188.3	161.9	135.3	116.3
1991	395.0	339.1	166.1	142.6	237.6	203.9	164.1	140.9	160.1	137.4	163.6	140.4	120.7	103.6
1992	477.2	407.2	198.4	169.3	292.3	249.4	164.6	140.4	166.6	142.2	211.2	180.2	144.6	123.4
1993	317.8	267.3	217.2	182.7	535.2	450.1	363.7	305.9	264.1	222.1	194.6	163.7	219.5	184.6
1994	652.4	541.9	265.9	220.8	291.4	242.0	334.8	278.1	352.1	292.4	317.4	263.6	313.4	260.3
1995	453.5	363.7	248.5	199.3	149.9	120.2	297.1	238.3	313.9	251.7	296.6	237.8	285.6	229.0
1996	453.0	354.8	251.1	196.6	270.0	211.4	289.3	226.5	312.6	244.8	264.4	207.1	213.2	167.0
1997	331.4	259.7	307.3	240.8	270.2	211.8	211.3	165.6	286.9	224.8	264.5	207.3	357.1	279.9
1998	254.2	204.4	287.8	231.4	204.9	164.7	161.4	129.8	240.9	193.6	270.2	217.2	394.8	317.4
1999	314.7	250.7	268.5	214.0	181.0	144.2	95.7	76.2	195.1	155.5	317.4	252.9	448.1	357.0
2000	433.4	326.6	258.1	194.5	154.6	116.5	46.1	34.8	368.6	277.8	265.6	200.2	445.8	335.9
2001	255.4	190.3	153.5	114.4	115.5	86.0	34.0	25.3	530.5	395.3	326.4	243.2	587.2	437.6
2002	184.8	141.0	166.4	126.9	117.8	89.8	73.2	55.8	382.0	291.4	273.8	208.8	485.0	369.9
2003	193.2	139.9	163.6	118.5	111.2	80.5	86.0	62.3	284.8	206.3	303.7	219.9	560.2	405.6
2004	93.1	63.5	183.0	124.7	65.4	44.6	63.2	43.1	427.2	291.2	291.2	198.5	618.0	421.3
2005	112.6	71.5	192.8	122.5	103.3	65.7	70.1	44.5	415.1	263.7	329.2	209.2	648.0	411.7
2006	70.5	[z]	112.5	118.0	39.2	41.1	101.1	106.1	275.3	288.9	180.3	189.2	533.3	559.6
2007	42.3	[z]	176.4	176.4	60.9	60.9	54.6	54.6	276.6	276.6	220.4	220.4	361.6	361.6
2008	40.4	[z]	152.7	139.2	41.3	37.6	46.2	42.1	198.3	180.7	156.3	142.5	479.6	437.2
2009	8.7	[z]	[z]	[z]	9.5	[z]	77.5	77.5	171.4	171.4	119.5	119.5	275.0	275.0
2010	34.6	[z]	[z]	[z]	23.9	[z]	65.9	61.7	118.8	111.2	214.3	200.7	432.5	405.0
2011	51.6	[z]	[z]	[z]	44.5	[z]	83.3	71.6	105.3	90.6	370.8	318.8	504.3	433.6
2012	83.6	[z]	[z]	[z]	99.8	[z]	88.7	75.9	142.5	121.9	389.2	332.9	491.7	420.6
2013	[z]	[z]	[z]	[z]	[z]	[z]	102.6	87.8	307.4	263.0	691.2	591.3	447.8	383.0

[a]U.S. Department of Agriculture, Forest Service (46,52,92). 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, 2013[a]

Species and region[b]	Volume[c] *Thousand board feet*	Value[d] *Thousand dollars*	Average price per thousand board feet *Dollars*
SOFTWOODS, WESTERN			
Cedar			
Alaska cedar:			
Pacific Northwest [6]	0	0.0	0.00
Alaska [10]	396	27.5	69.44
Total	396	27.5	69.44
Incense cedar:			
Pacific Southwest [5]	574	48.8	85.02
Pacific Northwest [6]	0	0.0	0.00
Total	574	48.8	85.02
Port-Orford-cedar:			
Pacific Southwest [5]	0	0.0	0.00
Pacific Northwest [6]	0	0.0	0.00
Total	0	0.0	0.00
Western redcedar:			
Northern [1]	7	0.5	71.43
Pacific Northwest [6]	352	26.2	74.43
Alaska [10]	962	143.9	149.58
Total	1,321	170.6	129.14
Douglas-fir			
East side:			
Northern [1]	14	0.6	42.86
Rocky Mountain [2]	737	7.5	10.18
Southwestern [3]	1,413	2.7	1.91
Intermountain [4]	1,896	709.1	374.00
Pacific Northwest [6]	28,087	5,384.8	191.72
Total	32,147	6,104.7	189.90
West side:			
Pacific Southwest [5]	3,990	340.5	85.34
Pacific Northwest [6]	0	0.0	0.00
Total	3,990	340.5	85.34
Fir			
Grand fir:			
Northern [1]	19,647	5,373.0	273.48
Intermountain [4]	2,333	324.0	138.88
Pacific Northwest [6]	6,483	224.7	34.66
Total	28,463	5,921.7	208.05
Noble fir:			
Pacific Northwest [6]	0	0.0	0.00
Shasta fir:			
Pacific Northwest [6]	119	0.6	5.04
Subalpine fir:			
Northern [1]	298	8.4	28.19
Rocky Mountain [2]	60	0.5	8.33
Southwestern [3]	0	0.0	0.00
Intermountain [4]	2,720	54.4	20.00
Pacific Northwest [6]	0	0.0	0.00
Total	3,078	63.3	20.57
White fir:			
Rocky Mountain [2]	3,543	57.2	16.14
Intermountain [4]	88	0.7	7.95
Pacific Northwest [6]	7,737	1,318.6	170.43
Total	11,368	1,376.5	121.09

Species and region	Volume *Thousand board feet*	Value *Thousand dollars*	Average price per thousand board feet *Dollars*
SOFTWOODS, WESTERN—*Con.*			
Fir—*Con.*			
True fir:			
Rocky Mountain [2]	78	0.8	10.26
Southwestern [3]	557	1.0	1.80
Pacific Southwest [5]	0	0.0	0.00
Pacific Northwest [6]	0	0.0	0.00
Total	635	1.8	2.83
Hemlock			
Mountain hemlock:			
Pacific Southwest [5]	0	0.0	0.00
Pacific Northwest [6]	0	0.0	0.00
Total	0	0.0	0.00
Western hemlock:			
Northern [1]	59	9.3	157.63
Pacific Northwest [6]	14,654	917.7	62.62
Alaska [10]	4,448	14.7	3.30
Total	19,161	941.7	49.15
Western larch:			
Northern [1]	226	16.9	74.8
Intermountain [4]	0	0.0	0.00
Pacific Northwest [6]	0	0.0	0.00
Total	226	16.9	74.8
Pine			
Lodgepole pine:			
Northern [1]	7,068	420.6	59.51
Rocky Mountain [2]	6,359	41.4	6.51
Intermountain [4]	2,441	4.5	1.84
Pacific Southwest [5]	245	12.4	50.61
Pacific Northwest [6]	10,819	723.9	66.91
Total	26,932	1,202.8	44.66
Ponderosa pine[e]:			
Northern [1]	131	2.3	17.56
Rocky Mountain [2]	80,615	2,579.5	32.00
Southwestern [3]	23,325	455.9	19.55
Intermountain [4]	510	11.9	23.33
Pacific Southwest [5]	2,809	424.2	151.01
Pacific Northwest [6]	21,614	2,415.4	111.75
Total	129,004	5,889.2	45.65
Sugar pine:			
Pacific Southwest [5]	1,692	47.6	28.13
Pacific Northwest [6]	0	0.0	0.00
Total	1,692	47.6	28.13
Western white pine:			
Northern [1]	0	0.0	0.00
Southwestern [3]	197	1.6	8.12
Pacific Southwest [5]	0	0.0	0.00
Pacific Northwest [6]	0	0.0	0.00
Total	197	1.6	8.12
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]	4	5.3	0.00

Table 21—Volume and value of sawtimber stumpage sold from National Forests, by selected species and region, 2013[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]	27	4.6	170.37
Rocky Mountain [2]	11,000	813.9	73.99
Southwestern [3]	416	0.8	1.92
Intermountain [4]	1,836	91.1	49.62
Pacific Northwest [6]	11	2.7	245.45
Total	13,290	913	68.71
Sitka spruce:			
Pacific Northwest [6]	402	31.1	77.36
Alaska [10]	4,799	74.2	15.46
Total	5,201	105.3	20.25
Softwoods not specified by species:			
Northern [1]	4,550	431.4	94.81
Rocky Mountain [2]	0	0.0	0.00
Southwestern [3]	3	0.0	6.67
Intermountain [4]	37	0.2	5.41
Pacific Southwest [5]	117	6.5	55.56
Pacific Northwest [6]	0	0.0	0.00
Alaska [10]	0	0.0	0.00
Total	4,707	438.1	93
Total, western softwoods	864,300	61,257	70.87
SOFTWOODS, EASTERN			
Cedar			
Southern [8]	3	0.0	6.67
Eastern [9]	5	0.1	20.00
Total	8	0.1	15.00
Cypress			
Southern [8]	0	0.0	0.00
Fir			
True fir:			
Eastern [9]	37	2.5	67.57
Hemlock			
Eastern hemlock:			
Southern [8]	5	0.0	6.00
Eastern [9]	990	1.7	1.72
Total	995	1.7	1.74
Pine			
Eastern white pine:			
Southern [8]	2,603	94.7	36.38
Eastern [9]	5	0.0	8.00
Total	2,608	94.7	36.33
Jack pine:			
Eastern [9]	2,951	97.0	32.87
Red pine:			
Eastern [9]	3,200	521.5	162.97
Red and white eastern pine:			
Eastern [9]	1,585	168.2	106.12
Southern pine:			
Southern [8]	17,322	2,153.3	124.31
Eastern [9]	2,284	96.1	42.08
Total	19,606	2,249.4	114.73
Virginia pine:			
Southern [8]	787	42.6	54.13
Pine not specified by species:			
Eastern [9]	1,526	287.8	188.60
Spruce			
Black, red, and white spruce:			
Eastern [9]	3,720	51.1	13.74
Softwoods not specified by species:			
Southern [8]	399	15.3	38.35
Eastern [9]	387	5.5	14.21
Total	786	20.8	26.46
Total, eastern softwoods	37,809	3,537.5	93.56
Total, softwoods	902,109	64,794.7	71.83
HARDWOODS, WESTERN			
Alder			
Pacific Northwest [6]	98	3.8	38.78
Aspen			
Rocky Mountain [2]	0	0.0	0.00
Southwestern [3]	0	0.0	0.00
Intermountain [4]	729	1.5	2.06
Total	729	1.5	2.11
Hardwoods not specified by species:			
Rocky Mountain [2]	0	0.0	0.00
Pacific Southwest [5]	54	3.8	70.37
Pacific Northwest [6]	0	0.0	0.00
Total	54	3.8	70.37
Total, western hardwoods	881	9.1	10.37
HARDWOODS, EASTERN			
Ash			
Southern [8]	151	27.4	181.46
Eastern [9]	207	25.9	125.12
Total	358	53.3	148.88
Aspen			
Eastern [9]	2,439	95.5	39.16
Basswood			
Southern [8]	0	0.0	0.00
Eastern [9]	2	0.1	35.00
Total	2	0.1	35.00
Beech			
Eastern [9]	2,068	249.9	120.84
Birch			
Paper birch:			
Eastern [9]	47	2.1	44.68
Yellow birch:			
Eastern [9]	29	8.0	275.86
Cherry			
Black cherry:			
Southern [8]	19	2.6	136.84
Eastern [9]	8,050	7,101.9	882.22
Total	8,069	7,104.5	880.47
Hickory			
Southern [8]	0	0.0	0.00
Maple			
Red maple:			
Southern [8]	0	0.0	0.00
Eastern [9]	153	15.2	99.35
Total	153	15.2	99.35
Sugar maple:			
Southern [8]	0	0.0	0.00
Eastern [9]	3,455	1,546.9	447.73
Total	3,455	1,546.9	447.73
Maple not specified by species:			
Southern [8]	0	0.0	0.00
Eastern [9]	618	42.2	68.28
Total	618	42.2	68.28

Table 21—Volume and value of sawtimber stumpage sold from National Forests, by selected species and region, 2013[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]	684	100.9	147.51
Eastern [9]	0	0.0	0.00
Total	684	100.9	147.51
Red and black oak:			
Southern [8]	1,002	7,548.0	7,532.93
Eastern [9]	0	0.0	0.00
Total	1,002	7,548.0	7,532.93
Scarlet oak:			
Southern [8]	79	1.4	17.72
Eastern [9]	2	0.1	50.00
Total	81	1.5	18.52
White oak:			
Southern [8]	90	6.7	74.44
Eastern [9]	1	0.1	80.00
Total	91	6.8	74.51
Oak not specified by species:			
Southern [8]	429	29.2	68.07
Eastern [9]	340	100.9	296.76
Total	769	130.1	169.18
Poplar			
Yellow poplar:			
Southern [8]	1,170	251.0	214.53
Eastern [9]	656	53.4	81.40
Total	1,826	304.4	166.70
Yellow poplar, basswood and cucumber:			
Southern [8]	1,088	66.3	60.94
Hardwoods not specified by species:			
Southern [8]	3,521	537.1	152.54
Eastern [9]	880	25.2	28.64
Total	4,401	562.3	127.77
Total, eastern hardwoods	27,180	8,355.6	307.42
Total, hardwoods	28,061	8,364.8	298.09
Total, softwoods and hardwoods	930,170	73,159.4	78.65

[a]U.S. Department of Agriculture, Forest Service (52, 92); 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 mis products and also excludes timber sold by land excha

[b]Administrative regions of the Forest Service.

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

[d]High bid prices, which include specified road costs K\

[e]Includes small amounts of Jeffrey pine.

[1-8,9,10]Region area numbers.

Table 22—Average stumpage prices for sawtimber sold from private lands in Louisiana, by selected species, 1965–2013 (dollars per thousand board feet, Doyle log scale)[a]

Year	Southern pine		Ash		Gums		Oaks	
	Current dollars	2009 dollars[b]	Current dollars	2009 dollars	Current dollars	2009 dollars	Current dollars	2009 dollars
1965	28.40	87.93	22.60	69.97	17.50	54.18	16.20	50.15
1966	34.30	103.00	23.00	69.07	19.50	58.56	17.90	53.75
1967	36.80	110.18	23.30	69.76	19.50	58.38	17.70	52.99
1968	40.70	119.01	25.60	74.85	20.00	58.48	19.00	55.56
1969	50.10	140.73	31.80	89.33	22.60	63.48	21.50	60.39
1970	46.40	125.75	28.10	76.15	21.00	56.91	20.40	55.28
1971	56.00	146.98	26.60	69.82	21.90	57.48	20.80	54.59
1972	66.30	166.58	28.50	71.61	23.80	59.80	23.10	58.04
1973	84.20	187.11	41.50	92.22	32.30	71.78	30.20	67.11
1974	90.90	169.91	48.20	90.09	36.80	68.79	35.50	66.36
1975	81.60	139.73	45.70	78.25	35.40	60.62	34.10	58.39
1976	101.10	165.47	45.80	74.96	37.20	60.88	37.30	61.05
1977	119.90	184.75	49.70	76.58	39.70	61.17	40.60	62.56
1978	156.20	223.46	59.40	84.98	46.20	66.09	46.50	66.52
1979	211.50	268.74	74.20	94.28	51.90	65.95	53.40	67.85
1980	189.20	210.69	70.20	78.17	53.10	59.13	55.50	61.80
1981	185.00	188.78	70.20	71.63	52.00	53.06	55.60	56.73
1982	144.60	144.60	71.10	71.10	53.70	53.70	57.50	57.50
1983	160.70	158.64	103.80	102.47	67.30	66.44	71.60	70.68
1984	158.80	153.13	109.00	105.11	68.00	65.57	72.70	70.11
1985	118.20	114.53	88.30	85.56	57.30	55.52	62.50	60.56
1986	112.30	112.08	87.90	87.72	53.70	53.59	64.70	64.57
1987	147.30	143.29	z	z	59.30	57.68	79.00	76.85
1988	161.00	150.61	134.20	125.54	62.10	58.09	101.20	94.67
1989	169.10	150.71	133.80	119.25	65.30	58.20	98.30	87.61
1990	182.60	157.01	141.10	121.32	81.90	70.42	106.50	91.57
1991	194.30	166.78	123.60	106.09	67.60	58.03	89.00	76.39
1992	222.60	189.93	289.30	246.84	78.10	66.64	136.90	116.81
1993	273.30	229.86	z	z	z	z	153.00	128.68
1994	330.50	274.50	z	z	z	z	205.00	170.27
1995	389.56	312.40	z	z	z	z	252.75	202.69
1996	344.57	269.83	z	z	z	z	203.00	158.97
1997	412.39	323.19	z	z	z	z	289.75	227.08
1998	406.76	326.98	z	z	z	z	276.50	222.27
1999	368.70	293.78	z	z	z	z	285.00	227.09
2000	392.35	295.67	z	z	z	z	270.00	203.47
2001	351.12	261.64	z	z	z	z	321.00	239.20
2002	368.41	281.01	z	z	z	z	290.00	221.21
2003	348.46	252.32	z	z	z	z	319.00	230.99
2004	372.40	253.85	z	z	z	z	306.00	208.59
2005	384.37	244.20	z	z	z	z	315.00	200.13
2006	380.38	230.81	z	z	z	z	276.00	167.48
2007	417.62	241.54	z	z	z	z	313.00	181.03
2008	331.17	174.67	z	z	z	z	230.00	121.31
2009	289.94	167.69	z	z	z	z	207.00	119.72
2010	307.23	166.34	z	z	z	z	258.00	139.69
2011	259.02	128.86	z	z	z	z	278.00	138.31
2012	260.68	128.92	z	z	z	z	366.50	181.26
2013	264.67	130.90	z	z	z	z	299.00	147.87

[a]Timber Mart South (39); Louisiana Department of Agriculture (25).

[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, 1965–2013 (million board feet, local log rule)[b]

Year	All species[a]	Softwoods[c]	Hardwoods[c]
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	6,825	5,773	1,052
2002	6,596	5,600	997
2003	7,222	6,299	923
2004	7,158	6,272	886
2005	7,100	6,259	842
2006	6,825	5,983	842
2007	6,586	5,871	715
2008	6,081	5,482	599
2009	5,972	5,381	591
2010	4,726	4,051	675
2011	4,582	3,919	663
2012	4,436	3,787	649
2013	4,311	3,671	640

[a]U.S. Department of Agriculture, Forest Service (53).

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

[c]Source: Estimates (20)

Table 24—Pulpwood consumption, production, imports, exports, and the equivalent wood volumes of imports and exports of paper, board, and wood pulp, 1965–2013 (thousand cords)[a]

		Consumption in U.S. mills									Paper, board, and wood pulp (pulpwood equivalent)		
			Domestic productions										
	U.S. total			Roundwood[rd]				Net			Net		
Year	consumption[p]	Total	Total	Total	Softwoods	Hardwoods	Residue[bep]	imports	Imports	Exports	imports	Imports	Exports
1965	63,519	54,034	52,884	39,129	28,201	10,928	13,755	1,150	1,305	155	9,485	13,487	4,001
1966	67,429	57,399	56,294	41,809	29,900	11,910	14,484	1,105	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	-1,470	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
2003	97,295	85,001	85,375	62,616	37,742	24,874	22,758	-373	189	563	12,294	24,080	11,786
2004[r]	111,390	101,394	102,195	48,924	33,109	15,815	53,271	-801	437	1,238	9,996	24,494	14,498
2005[r]	108,513	100,048	100,852	50,086	33,561	16,525	50,766	-804	411	1,215	8,465	23,522	15,057
2006[r]	108,422	100,414	101,211	50,472	34,174	16,298	50,739	-797	309	1,107	8,008	23,158	15,150
2007[r]	103,727	99,223	100,617	53,058	36,585	16,473	47,559	-1,394	107	1,501	4,504	20,866	16,362
2008[r]	96,997	96,203	98,035	53,630	37,573	16,057	44,405	-1,832	49	1,881	794	18,881	18,086
2009[r]	87,424	88,270	89,669	51,144	36,783	14,361	38,525	-1,399	28	1,427	-846	16,104	16,950
2010[r]	89,774	92,209	93,689	53,326	38,092	15,234	40,363	-1,480	91	1,571	-2,435	16,338	18,773
2011[r]	89,158	94,027	95,507	54,216	38,937	15,279	41,291	-1,480	91	1,571	-4,869	15,816	20,685
2012[r]	90,649	94,790	96,270	55,629	40,613	15,016	40,641	-1,480	91	1,571	-4,141	15,626	19,767
2013[r]	86,164	94,019	95,499	54,416	39,828	14,588	41,083	-1,480	91	1,571	-7,855	16,213	24,068

[a]American Forest and Paper Association (3); American Pulpwood Association (10).
[b]Chips and Residues produced from roundwood and byproducts from primary processing plants, such as slabs, edgings, and veneer cores.
[r]Revised since 2004 using American Forest and Paper Association Pulpwood Data.
[d] Howard et al. (20)
[e]Johnson (24)
[p]Preliminary

Table 25—Pulpwood production, by region[a] and softwoods and hardwoods, 1965–2013 (million cords)[bde]

	All section			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	40.10	12.80	9.0	4.1	4.9	31.2	23.8	7.4	12.7	12.2	0.5
1966	56.29	42.10	14.20	10.3	4.4	5.9	33.1	25.4	7.7	12.9	12.3	0.6
1967	57.47	43.60	13.90	10.3	4.5	5.8	33.6	25.9	7.7	13.6	13.2	0.4
1968	60.73	46.60	14.10	9.8	4.3	5.5	36.5	28.3	8.2	14.4	14.0	0.4
1969	65.26	48.80	16.50	10.3	4.1	6.2	40.0	30.2	9.8	15.0	14.5	0.5
1970	67.58	50.70	16.90	11.3	4.6	6.7	41.1	31.4	9.7	15.2	14.7	0.5
1971	66.91	50.30	16.60	10.5	4.0	6.5	41.1	31.5	9.6	15.3	14.8	0.5
1972	69.02	51.00	18.00	10.7	4.0	6.7	42.3	31.7	10.6	16.0	15.3	0.7
1973	72.89	52.70	20.20	12.8	4.6	8.2	43.4	32.1	11.3	16.7	16.0	0.7
1974	77.96	55.80	22.20	13.9	5.1	8.8	46.1	33.6	12.5	18.0	17.1	0.9
1975	65.82	50.10	15.70	10.4	4.2	6.2	40.7	31.7	9.0	14.7	14.2	0.5
1976	73.25	54.10	19.10	12.2	4.8	7.4	44.3	33.2	11.1	16.7	16.1	0.6
1977	74.97	55.70	19.30	12.5	4.9	7.6	45.2	34.2	11.0	17.3	16.6	0.7
1978	76.45	55.30	21.20	13.0	5.2	7.8	47.7	35.0	12.7	15.8	15.1	0.7
1979	81.06	58.30	22.80	14.0	5.5	8.5	50.2	36.7	13.5	16.9	16.1	0.8
1980	84.03	60.60	23.40	14.3	5.7	8.6	50.7	36.9	13.8	19.0	18.0	1.0
1981	82.47	59.60	22.90	13.9	5.6	8.3	51.6	37.7	13.9	17.0	16.3	0.7
1982	77.86	56.30	21.60	13.1	5.9	7.2	50.2	36.6	13.6	14.6	13.8	0.8
1983	84.83	59.90	24.90	14.4	5.6	8.8	53.9	38.5	15.4	16.5	15.8	0.7
1984	86.38	61.10	25.30	14.7	6.0	8.7	54.4	38.7	15.7	17.3	16.4	0.9
1985	86.60	60.60	26.00	14.6	5.8	8.8	56.2	39.9	16.3	15.8	14.9	0.9
1986	92.50	64.00	28.50	15.2	5.7	9.5	59.9	42.0	17.9	17.4	16.3	1.1
1987	94.59	65.60	29.00	15.4	5.8	9.6	61.5	43.2	18.3	17.7	16.6	1.1
1988	95.03	65.70	29.30	14.8	5.4	9.4	61.8	42.9	18.9	18.4	17.4	1.0
1989	93.83	64.30	29.50	14.0	5.1	8.9	62.8	43.3	19.5	17.0	15.9	1.1
1990	93.94	63.10	30.80	14.0	5.0	9.0	65.4	44.6	20.8	14.5	13.5	1.0
1991	93.25	62.40	30.80	14.2	5.2	9.0	66.8	45.8	21.0	12.2	11.4	0.8
1992	95.24	59.80	35.40	13.9	5.0	8.9	70.9	45.0	25.9	10.4	9.8	0.6
1993	92.76	55.70	37.10	15.0	5.6	9.4	71.9	44.8	27.1	5.9	5.3	0.6
1994	95.33	56.10	39.20	15.4	5.6	9.8	74.7	45.8	28.9	5.2	4.7	0.5
1995	95.00	61.09	33.91	15.0	6.7	8.3	72.6	48.1	24.5	7.4	6.3	1.1
1996	90.44	58.67	31.77	14.5	6.6	7.9	69.6	46.7	22.9	6.4	5.4	0.9
1997	95.04	61.45	33.59	15.2	6.8	8.4	74.1	50.0	24.1	5.7	4.6	1.1
1998	93.37	60.30	33.07	14.6	6.3	8.3	72.4	48.9	23.5	6.3	5.1	1.2
1999	89.91	57.71	32.20	13.8	6.0	7.8	70.7	47.5	23.2	5.4	4.3	1.2
2000	89.89	57.84	32.05	14.1	6.1	8.1	70.1	47.2	22.9	5.7	4.6	1.1
2001	85.24	54.38	30.86	13.4	5.8	7.7	67.0	44.8	22.2	4.8	3.8	1.0
2002	84.03	53.68	30.35	13.1	5.5	7.6	66.4	44.8	21.7	4.5	3.5	1.1
2003	85.37	55.63	29.74	13.3	5.4	8.0	67.3	46.5	20.9	4.7	3.8	0.9
2004	102.20	76.60	40.69	18.5	8.4	10.1	90.8	62.4	28.4	7.9	5.8	2.2
2005	100.85	74.10	40.34	18.2	8.0	10.1	88.7	60.6	28.1	7.6	5.5	2.1
2006	101.21	61.08	32.17	20.4	9.2	11.2	64.7	46.0	18.7	8.2	5.9	2.3
2007	100.62	59.72	30.21	16.8	7.5	9.3	65.7	47.4	18.4	7.4	4.9	2.5
2008	98.04	59.16	27.57	14.0	6.0	8.0	67.0	49.2	17.8	5.7	4.0	1.8
2009	89.67	57.09	27.39	16.3	7.4	8.9	61.2	45.5	15.7	7.1	4.2	2.8
2010	93.69	66.24	29.75	14.5	7.4	7.1	74.0	54.3	19.7	7.5	4.5	3.0
2011	95.51	67.00	30.03	14.7	7.5	7.2	74.7	54.9	19.8	7.6	4.6	3.1
2012	96.27	66.19	28.87	14.6	7.4	7.2	74.2	54.3	19.9	6.3	4.5	1.8
2013	95.50	66.55	29.47	14.7	7.5	7.2	74.5	54.6	20.0	6.8	4.5	2.3

[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 (9); 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.

[d] Howard, et al. (20)

[e] Johnson (24)

Table 26—Pulpwood stumpage prices of Louisiana and northern New Hampshire, 1965–2013 (dollars per cord)

Year	Louisiana[a]				Northern New Hampshire[b]			
	Southern pine		Hardwoods		Hemlock and pine[c]		Spruce and fir	
	Current dollars	*2009 dollars[d]*	*Current dollars*	*2009 dollars*	*Current dollars*	*2009 dollars*	*Current dollars*	*2009 dollars*
1965	4.40	23.53	1.60	8.56	1.75	9.36	4.50	24.06
1966	4.55	23.58	1.70	8.81	2.60	13.47	5.25	27.20
1967	4.60	23.83	1.75	9.07	2.10	10.88	5.25	27.20
1968	4.65	23.48	1.85	9.34	2.00	10.10	5.25	26.52
1969	4.65	22.57	1.90	9.22	1.85	8.98	4.50	21.84
1970	4.70	22.07	1.95	9.15	1.75	8.22	4.50	21.13
1971	4.75	21.59	[z]	[z]	1.75	7.95	4.50	20.45
1972	4.75	20.65	2.10	9.13	2.00	8.70	4.50	19.57
1973	5.20	20.00	2.40	9.23	2.00	7.69	4.50	17.31
1974	6.05	19.58	2.70	8.74	2.65	8.58	5.50	17.80
1975	6.40	18.93	2.80	8.28	2.65	7.84	6.00	17.75
1976	6.70	18.98	2.80	7.93	2.65	7.51	6.50	18.41
1977	7.10	18.93	2.95	7.87	2.65	7.07	6.50	17.33
1978	7.80	19.31	3.15	7.80	2.90	7.18	7.00	17.33
1979	9.30	20.44	3.65	8.02	3.75	8.24	8.00	17.58
1980	10.30	19.85	4.10	7.90	5.00	9.63	8.00	15.41
1981	12.65	22.31	4.30	7.58	5.00	8.82	8.00	14.11
1982	14.30	24.74	4.50	7.79	5.00	8.65	8.00	13.84
1983	14.85	25.34	4.80	8.19	5.00	8.53	8.50	14.51
1984	17.65	29.42	4.35	7.25	5.00	8.33	8.50	14.17
1985	15.20	25.46	4.40	7.37	4.00	6.70	9.00	15.08
1986	12.05	20.78	4.30	7.41	3.75	6.47	9.00	15.52
1987	13.85	23.28	5.35	8.99	3.75	6.30	9.00	15.13
1988	15.95	25.81	5.20	8.41	3.50	5.66	10.00	16.18
1989	18.33	28.24	5.54	8.54	4.00	6.16	11.00	16.95
1990	17.88	26.57	5.45	8.10	6.00	8.92	12.50	18.57
1991	20.80	30.86	8.19	12.15	6.00	8.90	14.00	20.77
1992	23.50	34.66	7.84	11.56	5.75	8.48	11.75	17.33
1993	25.07	36.44	9.77	14.20	6.00	8.72	16.50	23.98
1994	23.51	33.78	10.12	14.54	11.50	16.52	12.00	12.04
1995	24.35	33.77	10.40	14.42	[z]	[z]	[z]	[z]
1996	23.84	32.26	12.63	17.09	[z]	[z]	[z]	[z]
1997	23.95	32.45	15.05	20.39	[z]	[z]	[z]	[z]
1998	29.24	40.67	17.06	23.72	2.95	4.11	2.27	3.16
1999	26.28	36.19	13.75	18.93	2.95	4.07	2.27	3.13
2000	23.33	30.42	10.32	13.45	2.73	3.56	2.50	3.26
2001	21.36	27.52	13.54	17.44	2.73	3.51	2.50	3.22
2002	19.52	25.76	14.94	19.71	2.73	3.60	2.50	3.30
2003	19.10	23.91	16.16	20.22	2.23	2.79	3.64	4.55
2004	18.88	22.26	16.44	19.38	2.64	3.11	4.05	4.77
2005	22.68	24.92	19.69	21.64	2.45	2.70	3.32	3.65
2006	18.50	19.42	14.67	15.39	2.50	2.62	3.13	3.28
2007	27.80	27.80	17.18	17.18	2.65	2.65	3.56	3.56
2008	27.20	24.79	20.25	18.46	4.85	4.42	6.18	5.63
2009	23.51	23.51	18.76	18.76	4.12	4.12	5.48	5.48
2010	25.60	23.97	25.27	23.66	4.42	4.14	7.73	7.24
2011	22.18	19.07	17.20	14.79	3.64	3.13	10.57	9.09
2012	22.40	19.16	23.91	20.45				
2013	22.58	19.32	22.82	19.52				

[a]Louisiana Department of Agriculture, Office of Marketing (25).
[b]New Hampshire University, Cooperative Extention Service, and New Hampshire Department of Resources and Economic Development (32).
[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).
[z]Data not available

Table 27—Pulpwood prices of Louisiana and Northern New Hampshire, 1965–2013 (dollars per standard cord, including bark)[a]

Year	Louisiana[b]				Northern New Hampshire[c]					
	Southern pine		Hardwoods		Hemlock and pine[d]		Spruce and fir[f]		Hardwoods[g]	
	Current dollars	*2009 dollars*[e]	*Current dollars*	*2009 dollars*	*Current dollars*	*2009 dollars*	*Current dollars*	*2009 dollars*	*Current dollars*	*2009 dollars*
1965	15.70	83.96	13.65	72.99	16.85	90.11	21.00	112.30	16.50	88.24
1966	16.50	85.49	14.80	76.68	17.75	91.97	22.00	113.99	17.50	90.67
1967	16.50	85.49	14.85	76.94	20.25	104.92	22.40	116.06	17.50	90.67
1968	17.00	85.86	16.30	82.32	19.55	98.74	22.15	111.87	z	z
1969	17.75	86.17	17.40	84.47	19.45	94.42	23.20	112.62	18.90	91.75
1970	17.75	83.33	17.45	81.92	19.50	91.55	23.40	109.86	20.00	93.90
1971	z	z	z	z	19.50	88.64	23.40	106.36	20.25	92.05
1972	19.25	83.70	19.00	82.61	19.25	83.70	23.75	103.26	22.00	95.65
1973	22.50	86.54	22.00	84.62	20.40	78.46	25.50	98.08	23.50	90.38
1974	28.30	91.59	24.95	80.74	21.25	68.77	30.00	97.09	26.50	85.76
1975	29.25	86.54	26.20	77.51	25.15	74.41	30.50	90.24	28.50	84.32
1976	30.45	86.26	26.10	73.94	30.40	86.12	31.50	89.24	31.65	89.66
1977	31.65	84.40	27.20	72.53	32.50	86.67	36.50	97.33	33.00	88.00
1978	34.55	85.52	28.30	70.05	34.50	85.40	39.00	96.53	35.00	86.63
1979	38.95	85.60	32.05	70.44	36.65	80.55	44.00	96.70	37.00	81.32
1980	41.45	79.87	33.60	64.74	36.65	70.62	46.00	88.63	41.50	79.96
1981	44.20	77.95	34.20	60.32	41.50	73.19	49.00	86.42	44.00	77.60
1982	46.95	81.23	35.25	60.99	41.50	71.80	49.00	84.78	44.00	76.12
1983	47.60	81.23	35.30	60.24	41.50	70.82	49.00	83.62	46.50	79.35
1984	42.75	71.25	z	z	41.50	69.17	49.00	81.67	47.50	79.17
1985	49.20	82.41	37.50	62.81	41.50	69.51	49.00	82.08	46.50	77.89
1986	48.10	82.93	35.40	61.03	41.50	71.55	49.50	85.34	47.00	81.03
1987	50.65	85.13	45.35	76.22	41.50	69.75	49.50	83.19	47.00	78.99
1988	52.25	84.55	46.85	75.81	41.50	67.15	50.50	81.72	47.50	76.86
1989	55.19	85.04	46.49	71.63	41.50	63.94	50.50	77.81	51.00	78.58
1990	55.64	82.67	47.86	71.11	48.50	72.07	56.75	84.32	50.75	75.41
1991	61.04	90.56	52.37	77.70	50.00	74.18	66.75	99.04	50.75	75.30
1992	64.11	94.56	46.85	69.10	47.00	69.32	66.00	97.35	49.50	73.01
1993	66.15	96.15	51.54	74.91	49.00	71.22	65.00	94.48	49.50	71.95
1994	57.55	82.69	55.23	79.35	65.50	94.11	44.00	63.22	50.50	72.56
1995	67.93	94.22	73.06	101.33	z	z	z	z	z	z
1996	62.55	84.64	57.45	77.74	z	z	z	z	z	z
1997	72.30	97.97	70.19	95.11	z	z	z	z	z	z
1998	74.87	104.13	58.55	81.43	49.77	69.22	27.50	38.25	58.50	81.36
1999	64.61	88.99	53.24	73.33	49.77	68.55	27.50	37.88	58.50	80.58
2000	59.11	77.07	51.53	67.18	49.77	64.89	22.83	29.77	58.50	76.27
2001	59.64	76.85	64.97	83.72	49.77	64.14	27.50	35.44	58.50	75.39
2002	60.66	80.03	65.59	86.53	49.77	65.66	27.50	36.28	58.50	77.18
2003	61.74	77.27	69.16	86.56	64.17	80.31	35.09	43.92	33.21	41.56
2004	62.41	73.60	67.28	79.34	66.13	77.98	34.25	40.38	33.30	39.27
2005	67.58	74.26	75.67	83.15	53.14	58.40	36.50	40.11	31.17	34.25
2006	61.45	64.48	67.41	70.73	66.25	69.52	25.00	26.23	32.00	33.58
2007	70.66	70.66	71.85	71.85	67.25	67.25	27.00	27.00	32.25	32.25
2008	79.70	72.65	81.90	74.66	69.50	63.35	40.63	37.04	32.25	29.40
2009	73.20	73.20	73.23	73.23	65.50	65.50	39.88	39.88	31.26	31.26
2010	78.73	73.72	83.34	78.03	95.75	89.65	17.00	15.92	148.68	139.21
2011	72.71	62.52	74.50	64.06	74.15	63.76	23.25	19.99	164.00	141.01
2012	75.97	64.99	84.08	71.92	z	z	z	z	z	z
2013	77.94	66.67	89.20	76.30	z	z	z	z	z	z

[a]All numbers reflect the delivered timber price.

[b]Timber Mart South (39); Louisiana Department of Agriculture, Office of Marketing (25); f.o.b. car.

[c]New Hampshire University, Cooperative Extention Service, and New Hampshire Department of Resources and Economic Development (32).

[d]Includes tamarack, softwood hemlock, and softwood red pine.

[e]Derived by dividing price in current dollars by the Bureau of Labor Statistics producer price

[f]Low grade average of four quarters.

[g]Average of four quarters.

Index for all commodities (2009 = 100).

[z]Not Available.

Table 28—Lumber production, imports, exports, and consumption, by softwoods and hardwoods, 1965–2013[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	47.6	35.8	11.8	21.7	21.0	0.7	2.2	1.0	1.2	67.1	55.8	11.3	233	194	39
2003	47.1	36.6	10.5	22.0	21.2	0.8	2.1	1.0	1.2	67.0	56.8	10.1	230	195	35
2004	50.1	39.1	11.1	25.5	24.5	1.0	2.1	0.8	1.3	73.5	62.8	10.8	250	213	37
2005	50.9	39.8	11.2	25.8	24.7	1.1	2.2	0.9	1.3	74.5	63.6	10.9	251	214	37
2006	49.7	38.7	11.0	23.5	22.8	0.8	2.4	0.9	1.4	70.9	60.6	10.3	245	209	36
2007	45.8	35.2	10.6	18.9	18.4	0.5	2.2	1.0	1.2	62.5	52.6	9.9	207	174	33
2008	36.0	29.2	6.8	13.0	12.7	0.4	2.1	1.2	0.9	46.9	40.7	6.2	154	134	20
2009	30.2	23.2	7.0	9.2	8.9	0.4	1.8	1.0	0.8	37.7	31.1	6.6	123	101	21
2010	30.5	24.8	5.7	9.8	9.5	0.3	2.1	1.3	0.8	38.1	32.9	5.2	123	106	17
2011	33.3	26.8	6.6	9.6	9.3	0.3	2.5	1.7	0.8	40.5	34.4	6.1	130	110	20
2012	34.8	28.3	6.5	10.2	9.9	0.3	2.4	1.6	0.8	42.4	36.4	6.0	135	116	19
2013	37.3	30.0	7.3	11.7	11.4	0.3	2.6	1.8	0.8	45.6	39.6	6.0	144	125	19

[a]U.S. Department of Commerce, Bureau of the Census (57); American Forest and Paper Association (4); Luppold and Dempsey (26); U.S. Department of Commerce, Bureau of the Census (56); U.S. Department of Agriculture, Foreign Agricultural Service (91); U.S. Department of Agriculture, Forest Service (44); Hardwood Market Report (19a): 2008-present. Western Wood Products Association (86); U.S International Trade Commission (84).
Data may not add to totals because of rounding; Data have 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, 1965–2013 (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	5.3	1.7	3.6	12.5	6.7	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	6.3	1.8	4.5	16.5	13.4	3.1	14.9	14.5	0.3
1977	40.2	31.7	8.5	6.7	1.9	4.8	17.6	14.3	3.3	15.9	15.6	0.3
1978	41.0	32.1	9.0	7.0	1.9	5.1	17.9	14.4	3.5	16.1	15.7	0.4
1979	40.7	31.4	9.3	7.1	1.9	5.3	17.8	14.1	3.6	15.8	15.4	0.4
1980	35.4	26.2	9.2	6.8	1.6	5.2	15.4	11.8	3.6	13.2	12.9	0.4
1981	32.2	24.7	7.5	5.7	1.5	4.3	14.0	11.1	2.9	12.4	12.1	0.3
1982	31.8	23.8	8.0	3.9	1.1	2.8	13.5	8.8	4.7	14.4	14.1	0.3
1983	38.5	29.7	8.8	4.4	1.3	3.1	15.7	10.3	5.4	18.4	18.2	0.2
1984	41.3	31.2	10.1	4.6	1.2	3.4	17.1	10.7	6.4	19.6	19.4	0.2
1985	40.9	31.3	9.6	4.6	1.2	3.4	15.9	10.2	5.7	20.4	20.2	0.2
1986	45.8	35.3	10.5	5.0	1.4	3.6	18.8	11.7	7.1	22.0	21.8	0.2
1987	49.5	38.2	11.3	5.3	1.5	3.8	19.9	12.3	7.6	24.3	24.0	0.3
1988	49.9	38.1	11.7	5.3	1.4	3.9	20.7	12.7	8.0	23.9	23.6	0.3
1989	49.6	37.5	12.1	4.4	1.2	3.2	21.2	12.3	8.9	24.0	23.7	0.3
1990	48.1	35.8	12.3	3.9	1.5	2.4	22.5	12.6	9.9	21.7	21.3	0.4
1991	44.3	33.2	11.2	4.8	1.5	3.3	20.0	12.1	7.9	19.5	19.1	0.4
1992	45.9	34.5	11.4	4.7	1.6	3.1	21.1	13.0	8.1	20.1	19.7	0.4
1993	45.2	32.9	12.2	7.8	1.9	5.9	21.0	15.4	5.6	16.4	16.0	0.4
1994	46.5	34.1	12.4	8.0	1.9	6.1	21.8	16.0	5.8	16.7	16.3	0.4
1995	44.9	32.2	12.6	8.1	1.9	6.1	21.1	15.3	5.8	15.6	15.2	0.4
1996	45.8	33.3	12.5	7.9	2.0	5.9	22.0	15.7	6.3	15.8	15.4	0.4
1997	47.3	34.7	12.7	8.6	1.4	7.2	22.6	17.7	4.9	16.1	15.6	0.5
1998	47.4	34.7	12.7	8.6	1.4	7.3	22.6	17.7	5.0	16.1	15.6	0.5
1999	49.5	36.6	12.9	8.8	1.5	7.4	23.7	18.7	5.0	17.0	16.5	0.5
2000	48.6	36.0	12.6	8.6	1.4	7.2	23.3	18.3	4.9	16.7	16.2	0.5
2001	46.4	34.6	11.8	8.1	1.4	6.7	22.3	17.6	4.6	16.0	15.6	0.5
2002	47.6	35.8	11.8	8.1	1.4	6.7	22.9	18.3	4.6	16.6	16.1	0.5
2003	47.1	36.6	10.5	7.4	1.5	6.0	22.8	18.7	4.1	16.9	16.5	0.4
2004	50.1	39.1	11.1	7.9	1.6	6.3	24.2	19.9	4.3	18.0	17.6	0.4
2005	50.9	39.8	11.2	8.0	1.6	6.4	24.6	20.3	4.4	18.3	17.9	0.4
2006	49.7	38.7	11.0	7.9	1.5	6.3	24.0	19.8	4.3	17.9	17.4	0.4
2007	45.8	35.2	10.6	7.5	1.4	6.1	22.1	17.9	4.1	16.2	15.8	0.4
2008	36.0	29.2	6.8	5.1	1.2	3.9	17.5	14.9	2.6	13.4	13.1	0.3
2009	30.2	23.2	7.0	4.9	0.9	4.0	14.6	11.9	2.7	10.7	10.5	0.3
2010	30.5	24.8	5.7	4.2	1.0	3.2	14.9	12.6	2.2	11.4	11.2	0.2
2011	33.3	26.8	6.6	4.8	1.1	3.8	16.2	13.6	2.6	12.3	12.0	0.3
2012	34.8	28.3	6.5	4.9	1.1	3.8	17.0	14.4	2.5	13.0	12.7	0.3
2013	37.3	30.0	7.3	5.4	1.2	4.2	18.2	15.3	2.9	13.8	13.5	0.3

[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]American Forest and Paper Association (4); Hardwood Market Report (19a): 2008–present. Data may not add to totals because of rounding.

[c]Western Wood Products Association (86). (88,89)

[d]Estimated based on current percentage by region

[R]Revised

Table 30—Lumber production in the U.S., 1965–2013 (million board feet)

	Softwood							Hardwood								
										USDC[c,r]					Luppold and	
Year	Howard[a]	89 RPA[b]	USDC[c,r]	AF&PA[dr]	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	35,964	[z]	37,147	35,964	35,965	[z]	35,964	12,598	[z]	12,298	518	[z]	[z]	[z]	12,080	12,598
2001	34,581	[z]	35,479	34,581	34,579	[z]	34,581	11,834	[z]	11,109	475	[z]	[z]	[z]	11,359	11,834
2002	35,830	[z]	36,329	35,830	36,418	[z]	35,830	11,750	[z]	11,122	470	[z]	[z]	[z]	11,280	11,750
2003	36,607	[z]	36,687	36,607	36,608	[z]	36,607	10,494	[z]	10,494	386	[z]	[z]	[z]	10,494	10,494
2004	39,075	[z]	38,502	39,075	39,112	[z]	39,075	11,059	[z]	10,954	391	[z]	[z]	[z]	11,059	11,059
2005	39,770	[z]	39,770	39,770	40,785	[z]	39,770	11,158	[z]	11,158	398	[z]	[z]	[z]	11,158	11,158
2006	38,726	[z]	37,718	38,726	38,726	[z]	38,726	11,014	[z]	11,026	363	[z]	[z]	[z]	11,014	11,014
2007	35,158	[z]	33,751	35,158	35,158	[z]	35,158	10,608	[z]	10,608	445	[z]	[z]	[z]	10,608	10,608
2008	29,177	[z]	27,363	29,177	29,177	[z]	29,177	6,787	[z]	6,496	291	[z]	[z]	[z]	6,496	6,787
2009	23,240	[z]	21,912	23,240	23,240	[z]	23,240	6,989	[z]	5,010	241	[z]	[z]	[z]	5,010	6,989
2010	24,802	[z]	23,718	24,802	24,802	[z]	24,802	5,659	[z]	5,339	320	[z]	[z]	[z]	[z]	5,659
2011	26,754	[z]	[z]	26,754	26,754	[z]	26,754	6,230	[z]	[z]	320	[z]	[z]	[z]	[z]	6,550
2012	28,256	[z]	[z]	28,256	28,256	[z]	28,256	6,215	[z]	[z]	320	[z]	[z]	[z]	[z]	6,535
2013	29,982	[z]	[z]	29,982	29,982	[z]	29,982	7,019	[z]	[z]	320	[z]	[z]	[z]	[z]	7339

[a]Data derived from table 28.

[b]U.S. Department of Agriculture, Forest Service (54).

[c]U.S. Department of Commerce, Bureau of the Census (60).

[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 (86).

[f]Adams, Darius (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]Forest Service (26). Estimated Eastern hardwood lumber production.

[i]Final estimated Forest Service hardwood lumber production series: 1965–1998: Luppold and Dempsey (26) plus USDC Bureau of the Census 1998 – West (62).
Hardwood Market Report (19a): 2008–present.

[r]1996–1999 numbers revised.

[z]Data no longer available.

Table 31—United States lumber imports, by softwoods and hardwoods and country of origin, 1965–2013 (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
2003	21,981.2	19,709.0	15.3	2,256.9	21,187.7	19,257.8	15.0	1,914.9	793.5	451.2	0.3	342.0
2004	25,492.9	21,330.7	20.0	4,142.3	24,498.3	20,844.3	19.2	3,634.8	994.6	486.4	0.7	507.5
2005	25,753.1	21,840.7	16.0	3,896.5	24,678.0	21,367.6	15.0	3,295.4	1,075.1	473.1	1.0	601.0
2006	23,527.3	20,367.0	12.9	3,147.4	22,764.3	20,017.4	11.9	2,735.0	763.1	349.6	1.0	412.4
2007	18,906.0	16,775.4	13.1	2,117.6	18,385.0	16,571.6	12.2	1,801.2	521.0	203.7	0.8	316.4
2008	13,042.2	11,652.8	8.9	1,380.5	12,681.0	11,516.6	7.7	1,156.7	361.2	136.2	1.2	223.8
2009	9,236.3	8,393.0	3.5	839.8	8,855.0	8,303.0	2.1	549.9	381.3	90.0	1.4	289.9
2010	9,768.7	9,150.5	2.8	615.4	9,468.0	9,033.0	2.0	433.0	300.7	117.5	0.8	182.4
2011	9,632.8	8,945.5	2.3	685.1	9,289.0	8,848.0	1.4	439.6	343.8	97.5	0.9	245.5
2012	10,171.5	9,633.2	2.5	535.8	9,864.0	9,528.0	1.3	334.7	307.5	105.2	1.2	201.2
2013	11,665.5	11,020.2	2.0	643.4	11,358.0	10,915.0	0.8	442.2	307.5	105.2	1.2	201.2

[a]U.S. Department of Agriculture, Foreign Agricultural Service (44); U.S. International Trade Commission (86,87); U.S. Department of Commerce, Bureau of the Census (58,60); Western Wood Products Association (88).
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, 1965–2013 (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	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	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	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	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[r]	2,185.7	585.0	357.7	4.1	154.8	1,084.1	966.4	174.4	73.2	2.3	115.2	601.3	1,219.3	410.6	284.5	1.8	39.6	482.7
2003	2,117.6	633.4	347.8	2.9	149.0	984.5	957.0	201.5	76.0	1.4	111.5	566.6	1,160.6	431.9	271.8	1.5	37.5	417.9
2004	2,097.7	629.3	339.6	7.4	119.3	1,002.2	821.0	189.9	53.9	2.1	82.5	492.6	1,276.7	439.4	285.7	5.2	36.8	509.6
2005	2,191.1	649.0	345.7	10.0	79.5	1,106.8	897.0	226.8	65.8	5.6	49.2	549.7	1,294.1	422.3	280.0	4.4	30.3	557.1
2006	2,359.3	624.5	384.3	8.6	81.8	1,260.1	930.0	234.7	77.7	3.1	49.7	564.8	1,429.3	389.8	306.6	5.5	32.1	695.3
2007	2,193.0	599.3	356.4	10.6	84.9	1,141.8	993.0	245.9	82.4	6.9	65.4	592.5	1,200.0	353.5	274.1	3.7	19.4	549.3
2008	2,147.6	570.8	231.8	18.8	114.7	1,211.5	1,203.0	275.6	40.0	16.5	100.4	770.4	944.6	295.2	191.8	2.3	14.3	441.0
2009	1,784.0	455.4	174.6	24.4	127.5	1,002.1	983.0	255.8	24.9	22.2	113.9	566.2	801.0	199.6	149.7	2.2	13.6	435.8
2010	2,148.0	620.8	209.2	21.8	178.6	1,117.6	1,347.0	379.1	30.8	19.7	160.0	757.3	801.0	241.66	178.4	2.0	18.6	360.3
2011	2,468.0	572.6	196.4	9.3	195.5	1,494.1	1,667.0	333.6	29.1	6.8	173.5	1,124.1	801.0	239.06	167.3	2.5	22.1	370.1
2012	2,383.0	633.5	166.2	18.3	188.8	1,376.2	1,582.0	377.0	19.7	14.7	162.0	1,008.6	801.0	256.52	146.4	3.7	26.8	367.5
2013	2,600.9	639.5	166.1	18.4	207.8	1,614.2	1,788.0	383.0	19.7	14.7	181.0	1,246.7	801.0	256.5	146.4	3.7	26.8	367.5

[a]U.S. International Trade Commission (86,87); US Department of Agriculture, Foreign Agricultural Service (44); 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.
[r]Revised

Table 33—Lumber[a] production in Canada, by softwoods and hardwoods and region, 1965–2013 (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
2003	29.8	29.4	13.7	2.2	11.6	15.7	0.4	[d]	0.4
2004	30.3	29.9	13.9	2.2	11.8	16.0	0.4	[d]	0.4
2005	26.3	25.9	13.1	[z]	[z]	12.8	0.4	[d]	0.4
2006	34.0	33.6	17.4	[z]	[z]	16.2	0.4	[d]	0.4
2007	30.3	29.9	15.5	[z]	[z]	14.4	0.4	[d]	0.4
2008	24.1	23.7	11.9	[z]	[z]	11.7	0.4	[d]	0.4
2009	19.2	18.8	9.7	[z]	[z]	9.1	0.4	[d]	0.4
2010	22.6	22.2	11.5	[z]	[z]	10.7	0.4	[d]	0.4
2011	22.8	22.4	12.3	[z]	[z]	10.1	0.4	[d]	0.4
2012	23.6	23.2	12.3	[z]	[z]	10.9	0.4	[d]	0.4
2013	24.8	24.4	12.7	[z]	[z]	11.7	0.4	[d]	0.4

[a]Does not include sawn ties.

[b]Natural Resources Canada (30); Statistics Canada (36,37,38);
Wood Markets (90) Bilateral Trade-Canada (28)
Western Wood Products Association (88).
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 production, by type of product, 1970-2013

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	35.8
2003	68	344	1,075	13,615	14,706	10.5	36.6
2004	86	402	1,282	14,271	14,665	11.1	39.1
2005	91	491	1,263	14,985	14,330	11.2	39.8
2006	80	461	804	14,960	13,428	11.0	38.7
2007	68	358	656	14,763	12,243	10.6	35.2
2008	47	256	424	13,003	10,237	6.8	29.2
2009	30	167	257	9,598	8,608	7.0	23.2
2010	37	176	299	10,299	9,131	5.7	24.8
2011	38	184	293	10,039	8,980	6.6	26.8
2012	46	204	359	11,038	9,181	6.5	28.3
2013	54	230	422	12,492	9,346	7.3	30

[a]APA – The Engineered Wood Association (11,12).

[b]U.S. Department of Commerce, Bureau of the Census (62); American Forest and Paper Association (4); Luppold and Dempsey (26). Hardwood Market Report (19a): 2008–present.

[z]Data not available.

Table 35—Producer price indexes for lumber and selected nonwood competing materials, 1965–2013 (2009 = 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	18.7	33.7	98.6	30.2	108.1	28.9	109.3	15.7	84.0	17.1	91.5	37.1	115.9
1966	19.3	35.2	99.8	32.2	111.7	30.4	111.4	16.5	85.4	18.8	97.4	41.4	125.3
1967	19.3	35.1	99.5	32.2	111.7	31.1	114.0	17.0	88.2	18.8	97.4	38.1	115.3
1968	19.8	39.8	110.0	37.8	127.8	37.5	133.9	20.5	103.3	21.4	108.0	39.8	117.4
1969	20.6	44.0	116.8	42.3	137.4	41.8	143.5	22.5	109.0	23.7	115.1	45.8	129.9
1970	21.3	39.9	102.5	36.6	115.0	35.2	116.9	18.5	86.7	21.5	101.1	43.7	119.8
1971	22.1	44.7	110.6	43.8	132.7	44.0	140.8	23.8	107.8	25.2	113.9	43.2	114.2
1972	23.0	50.7	120.6	51.3	149.3	52.1	160.2	27.4	119.3	28.5	123.8	48.1	122.2
1973	26.1	62.2	130.4	66.0	169.3	66.6	180.5	35.6	136.5	35.3	135.2	64.4	144.1
1974	30.9	64.5	114.2	66.6	144.3	65.7	150.4	36.4	117.8	34.6	112.1	72.2	136.5
1975	33.8	62.1	100.5	61.9	122.6	62.4	130.6	36.0	106.6	33.0	97.5	61.1	105.6
1976	35.4	72.2	111.6	75.0	141.8	77.1	154.0	42.7	120.6	40.8	115.3	67.1	110.7
1977	37.6	83.0	120.8	89.0	158.4	92.5	174.0	49.6	131.9	49.3	131.1	76.3	118.5
1978	40.4	96.9	131.2	103.7	171.8	107.6	188.4	57.8	143.0	57.2	141.6	89.9	130.0
1979	45.5	105.5	126.8	114.0	167.7	118.1	183.6	65.3	143.5	60.9	133.9	99.1	127.2
1980	52.0	101.5	106.8	104.9	135.0	107.3	145.9	60.1	115.5	55.9	107.5	96.0	107.8
1981	56.7	102.8	99.2	104.6	123.5	106.6	133.0	53.0	93.5	54.8	96.7	97.3	100.2
1982	57.9	100.0	94.5	100.0	115.6	100.0	122.1	45.3	78.2	53.7	92.8	100.0	100.9
1983	58.6	107.9	100.7	113.5	129.6	115.0	138.8	61.5	105.0	60.1	102.6	108.1	107.8
1984	60.0	108.0	98.5	112.5	125.5	110.0	129.7	55.8	93.0	60.1	100.2	121.8	118.6
1985	59.7	106.6	97.7	109.6	122.9	107.4	127.2	57.3	96.0	56.5	94.7	117.1	114.6
1986	57.9	107.2	101.3	110.5	127.7	108.4	132.4	56.4	97.4	56.4	97.4	118.2	119.2
1987	59.5	112.8	103.7	118.2	133.0	116.1	138.0	56.6	95.2	61.3	103.0	126.8	124.5
1988	61.8	118.9	105.2	122.1	132.2	120.0	137.3	61.5	99.5	60.4	97.7	131.0	123.8
1989	64.9	126.7	106.8	125.7	129.6	127.1	138.5	68.7	105.8	58.1	89.5	128.2	115.4
1990	67.2	129.7	105.6	124.6	124.1	123.8	130.3	62.7	93.3	59.8	88.9	131.0	113.9
1991	67.4	132.1	107.2	124.9	124.0	125.7	131.9	63.2	93.8	59.7	68.6	128.5	111.4
1992	67.7	146.6	118.5	144.7	143.1	148.6	155.2	76.6	113.2	70.1	103.6	140.7	121.4
1993	68.8	174.0	138.4	183.4	178.4	193.0	198.4	107.6	156.4	90.7	131.8	163.3	138.6
1994	69.7	180.0	141.3	188.4	180.9	198.1	201.0	107.1	153.6	98.0	140.7	168.3	141.0
1995	72.1	178.1	135.1	173.4	161.0	178.5	175.1	90.0	124.9	89.7	124.4	167.0	135.3
1996	73.9	176.1	130.4	179.8	162.9	189.5	181.3	103.8	140.5	95.4	129.2	163.9	129.5
1997	73.8	183.8	136.2	194.5	176.4	206.5	197.9	100.0	135.5	100.0	135.5	174.1	137.8
1998	72.0	179.1	136.1	179.5	166.9	182.7	179.5	84.2	117.0	95.1	132.0	178.7	145.0
1999	72.6	183.6	138.3	188.2	173.5	196.0	190.9	96.1	132.3	99.8	137.5	177.3	142.6
2000	76.8	178.2	126.9	178.8	155.8	178.6	164.5	83.9	109.2	86.5	112.7	185.9	141.4
2001	77.6	174.4	122.9	171.6	148.0	170.1	155.0	80.7	104.0	82.0	105.6	181.3	136.5
2002	75.8	173.3	125.1	170.6	150.6	170.8	159.4	80.8	106.7	78.0	102.9	178.3	137.4
2003	79.9	177.4	121.5	174.3	146.0	170.8	151.2	80.0	100.2	78.1	97.8	188.8	138.0
2004	84.9	195.6	126.0	203.6	160.5	209.8	174.8	-	-	-	-	199.3	137.1
2005	91.1	196.5	118.0	198.6	145.9	203.6	158.1	-	-	-	-	196.6	126.1
2006	95.4	194.4	111.5	188.6	132.3	189.4	140.4	-	-	-	-	195.3	119.6
2007	100.0	192.4	105.3	174.7	116.9	170.5	120.6	-	-	-	-	192.4	112.4
2008	109.7	191.3	95.4	163.5	99.8	156.3	100.8	-	-	-	-	184.5	98.2
2009	100.0	182.8	100.0	149.4	100.0	141.4	100.0	-	-	-	-	171.2	100.0
2010	106.8	192.7	98.7	167.3	104.9	160.8	106.5	-	-	-	-	187.3	102.4
2011	116.2	194.7	91.7	166.6	96.0	160.5	97.7	-	-	-	-	185.8	93.4
2012	117.0	201.6	94.3	172.5	98.7	171.7	103.8	-	-	-	-	183.7	91.7
2013	117.0	214.9	100.5	198.7	113.7	199.8	120.8	-	-	-	-	208.4	104.0

*discontinued series

Table 35—Producer price indexes for lumber and selected nonwood competing materials, 1965–2013 (2009 = 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	13.1	69.9	9.8	52.6	[z]	[z]	11.3	60.6	10.9	58.3
1966	13.4	69.4	10.1	52.2	[z]	[z]	11.5	59.6	11.0	57.2
1967	13.6	70.3	10.3	53.5	35.7	185.1	11.8	61.1	11.3	58.4
1968	13.9	70.2	10.7	54.3	37.2	188.0	12.1	61.1	11.6	58.5
1969	14.7	71.4	11.2	54.3	39.1	190.0	12.6	61.0	12.1	58.8
1970	15.8	74.2	11.7	54.8	41.3	193.7	13.2	62.1	12.8	60.1
1971	16.1	72.9	12.2	55.0	44.0	198.9	14.2	64.3	13.8	62.6
1972	16.7	72.7	12.5	54.1	43.7	190.1	14.8	64.4	14.4	62.7
1973	18.0	68.9	12.9	49.3	43.3	166.0	15.5	59.4	15.0	57.6
1974	23.3	75.4	15.2	49.2	46.0	148.9	17.9	57.8	17.3	55.9
1975	25.1	74.4	16.8	49.6	49.6	146.9	20.1	59.5	19.4	57.4
1976	26.6	75.0	17.7	50.0	53.5	151.2	21.2	60.0	20.8	58.7
1977	28.3	75.3	19.5	51.8	57.4	152.6	22.6	60.1	22.2	59.0
1978	30.8	76.2	21.5	53.1	61.7	152.6	25.2	62.4	24.7	61.1
1979	35.1	77.2	23.7	52.1	65.6	144.2	28.8	63.2	28.1	61.9
1980	38.8	74.7	26.3	50.7	70.1	134.8	32.3	62.1	31.7	61.0
1981	40.7	71.8	28.8	50.8	75.9	133.8	34.3	60.5	33.8	59.7
1982	40.9	70.6	30.0	51.8	79.1	136.5	35.1	60.6	34.5	59.6
1983	41.6	71.0	30.8	52.6	82.0	139.9	35.6	60.7	34.9	59.6
1984	42.8	71.4	32.0	53.3	80.2	133.6	36.5	60.8	36.0	60.0
1985	42.7	71.5	32.2	53.9	80.4	134.7	37.7	63.2	36.9	61.9
1986	42.2	72.8	32.7	56.4	82.6	142.7	38.3	66.2	37.2	64.2
1987	43.8	73.6	33.6	56.5	84.7	142.4	38.4	64.5	37.0	62.2
1988	48.5	78.5	36.7	59.4	86.7	140.3	38.6	62.4	37.2	60.2
1989	50.7	78.1	39.0	60.1	86.7	133.6	39.0	60.1	37.7	58.1
1990	50.2	74.7	39.4	58.7	85.0	126.5	39.8	59.3	38.6	57.4
1991	49.1	72.9	40.4	59.9	83.7	124.2	40.9	60.7	39.6	58.7
1992	48.7	72.0	40.5	59.8	84.3	124.5	41.1	60.7	39.7	58.7
1993	48.7	70.8	41.0	59.6	84.8	123.3	42.2	61.3	41.0	59.6
1994	51.0	73.2	42.6	61.1	87.3	125.2	43.7	62.7	42.7	61.2
1995	55.0	76.2	47.0	65.1	89.5	124.1	45.4	63.0	44.5	61.7
1996	53.5	72.4	47.8	64.7	87.0	117.7	46.7	63.2	45.9	62.1
1997	53.9	73.0	48.3	65.5	85.6	116.0	47.7	64.6	46.8	63.4
1998	52.2	72.5	48.5	67.3	84.7	117.7	49.1	68.3	48.2	67.0
1999	66.7	91.9	77.5	106.8	92.5	127.4	67.1	92.5	65.7	90.6
2000	68.6	89.3	78.9	102.8	95.4	124.2	69.1	89.9	67.5	87.9
2001	67.1	86.5	79.9	102.9	97.4	125.5	70.9	91.4	69.0	88.9
2002	67.4	88.9	80.3	105.9	96.7	127.6	71.4	94.1	69.0	91.0
2003	69.2	86.6	81.2	101.6	96.5	120.8	71.8	89.8	69.2	86.7
2004	80.1	94.3	84.0	99.0	94.4	111.2	75.3	88.7	72.9	85.8
2005	86.1	94.5	88.4	97.0	96.5	106.0	82.8	90.9	81.6	89.6
2006	97.2	101.9	92.2	96.7	98.7	103.5	91.2	95.6	91.2	95.6
2007	103.6	103.6	94.3	94.3	99.3	99.3	95.1	95.1	95.1	95.1
2008	114.0	103.9	98.3	89.6	100.8	91.9	98.4	89.7	97.6	89.0
2009	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2010	111.1	104.1	99.5	93.1	96.7	90.5	98.4	92.1	97.6	91.4
2011	120.9	104.1	104.7	90.1	98.1	84.4	98.5	84.8	97.0	83.5
2012	117.7	100.6	108.0	92.3	99.7	85.2	100.5	85.9	99.2	84.8
2013	114.3	97.7	108.2	92.5	102.6	87.7	103.3	88.3	102.2	87.4

Table 35—Producer price indexes for lumber and selected nonwood competing materials, 1965–2013 (2009 = 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	29.6	158.3	12.9	69.1	12.0	64.2	33.2	177.5	13.6	72.9
1966	30.0	155.3	13.5	70.0	11.8	61.2	33.0	171.2	13.5	70.1
1967	30.6	158.6	13.2	68.4	11.9	61.5	31.5	163.1	13.4	69.6
1968	31.5	159.1	13.7	69.2	12.3	62.1	31.7	160.0	13.8	69.7
1969	32.5	157.8	13.7	66.3	12.3	59.7	31.7	153.8	13.4	65.2
1970	33.4	156.8	13.4	63.0	11.8	55.5	31.1	146.2	13.5	63.2
1971	34.9	158.0	16.7	75.5	13.0	58.7	30.4	137.7	14.0	63.2
1972	35.0	152.4	17.6	76.6	13.6	59.2	30.2	131.4	14.0	61.0
1973	36.4	139.6	18.3	70.0	14.3	54.9	31.8	121.8	14.1	54.1
1974	39.8	128.8	25.1	81.2	16.3	52.8	34.9	112.9	16.9	54.6
1975	44.5	131.6	28.8	85.1	17.1	50.5	36.0	106.6	19.9	59.0
1976	47.8	135.0	30.5	86.3	18.3	51.7	37.1	104.8	21.9	61.9
1977	48.6	129.3	32.5	86.5	21.8	57.9	38.4	102.1	23.1	61.4
1978	48.4	119.7	38.1	94.3	27.2	67.3	39.7	98.4	24.2	60.0
1979	52.4	115.2	41.6	91.4	29.9	65.8	40.9	89.9	26.7	58.7
1980	55.4	106.6	49.2	94.6	30.4	58.5	44.5	85.7	30.6	58.9
1981	60.2	106.2	47.4	83.5	30.4	53.6	49.5	87.2	32.2	56.9
1982	63.4	109.4	46.6	80.5	30.4	52.5	50.1	86.4	32.8	56.7
1983	65.8	112.3	43.9	74.9	33.9	57.9	51.2	87.3	33.8	57.6
1984	68.3	113.8	45.5	75.9	41.1	68.5	52.7	87.8	34.8	58.0
1985	71.8	120.3	46.9	78.5	40.2	67.3	52.2	87.4	36.3	60.8
1986	75.4	130.2	45.1	77.9	41.6	71.9	53.6	92.5	37.2	64.3
1987	78.0	131.1	42.8	72.0	38.0	63.9	54.7	91.9	38.1	64.1
1988	80.6	130.4	44.0	71.2	34.3	55.5	56.5	91.4	40.2	65.1
1989	82.5	127.1	44.6	68.7	33.4	51.5	57.8	89.1	42.7	65.7
1990	84.0	125.0	44.7	66.5	32.0	47.5	58.6	87.1	43.7	65.0
1991	83.1	123.3	44.8	66.5	30.2	44.7	58.9	87.4	45.7	67.8
1992	84.0	124.1	44.0	64.9	30.5	45.0	58.6	86.6	46.6	68.9
1993	84.6	123.0	44.2	64.3	32.9	47.8	58.4	84.9	47.7	69.3
1994	85.9	123.3	43.3	62.1	41.3	59.3	59.0	84.7	48.4	69.4
1995	87.5	121.3	45.6	63.2	46.9	65.1	60.0	83.2	50.3	69.8
1996	87.6	118.6	45.4	61.4	46.8	63.3	61.2	82.8	50.5	68.3
1997	87.7	118.8	45.0	61.0	51.9	70.3	61.8	83.7	50.7	68.7
1998	117.7	163.5	43.9	60.9	83.1	115.4	75.8	105.3	77.7	108.0
1999	118.2	162.9	43.6	60.1	97.3	134.0	74.9	103.2	77.2	106.4
2000	115.2	150.1	45.9	59.7	94.2	122.7	76.5	99.6	77.6	101.1
2001	106.7	137.4	47.4	61.0	73.2	94.3	77.2	99.5	76.5	98.6
2002	93.1	122.8	48.9	64.5	79.0	104.2	77.4	102.1	77.2	101.8
2003	93.1	116.5	50.7	63.5	80.2	100.4	79.4	99.4	78.8	98.7
2004	93.5	110.1	51.0	60.1	93.0	109.5	81.3	95.8	80.6	94.9
2005	95.9	105.2	57.3	62.9	107.4	117.9	87.5	96.1	85.4	93.7
2006	98.0	102.7	62.8	65.8	128.6	134.8	92.7	97.2	88.5	92.8
2007	97.9	97.9	64.1	64.1	109.0	109.0	93.8	93.8	90.8	90.8
2008	101.0	92.0	81.0	73.9	99.7	90.9	95.7	87.3	97.2	88.6
2009	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2010	100.2	93.8	100.4	94.0	96.6	90.5	100.9	94.4	102.6	96.1
2011	99.8	85.9	103.6	89.2	94.4	81.3	104.6	90.1	109.3	94.1
2012	99.2	84.8	101.4	86.7	107.7	92.1	106.9	91.3	115.1	98.4
2013	102.8	87.9	105.3	90.0	125.7	107.4	107.5	91.8	115.1	98.4

[a]U.S. Department of Labor, Bureau of Labor Statistics (77).

[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 [p]Preliminary

Table 36—Relative[a] producer price index for lumber, 1800–2013 (2009 = 100)[b]

Year	All lumber	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	2004	136.3
1801	5.2	1841	13.0	1882	21.1	1923	43.7	1964	76.7	2005	132.9
1802	6.2	1842	12.9	1883	20.9	1924	39.8	1965	20.2	2006	126.2
1803	5.3	1843	12.6	1884	22.4	1925	38.3	1966	21.6	2007	116.9
1804	5.3	1844	13.3	1885	22.9	1926	38.2	1967	21.6	2008	109.4
1805	5.4	1845	14.7	1886	23.7	1927	37.4	1968	25.3	2009	100.0
1806	5.5	1846	13.9	1887	23.7	1928	35.4	1969	28.3	2010	112.0
1807	5.9	1847	13.4	1888	23.1	1929	37.5	1970	24.5	2011	111.5
1808	5.8	1848	13.9	1889	23.1	1930	37.5	1971	29.3	2012	115.5
1809	5.4	1849	14.1	1890	23.6	1931	36.0	1972	34.3	2013	133.0
1810	5.1	1850	14.8	1891	23.2	1932	34.8	1973	44.2		
1811	5.1	1851	14.3	1892	24.1	1933	40.5	1974	44.6		
1812	4.8	1852	15.7	1893	23.8	1934	42.7	1975	41.4		
1813	4.3	1853	15.2	1894	26.3	1935	38.7	1976	50.2		
1814	3.6	1854	14.8	1895	24.6	1936	40.8	1977	59.6		
1815	6.4	1855	15.6	1896	25.9	1937	44.1	1978	69.4		
1816	7.1	1856	16.0	1897	25.1	1938	42.6	1979	76.3		
1817	6.2	1857	16.5	1898	25.4	1939	45.7	1980	70.2		
1818	5.8	1858	16.4	1899	26.0	1940	49.8	1981	70.0		
1819	6.7	1859	16.0	1900	26.8	1941	53.2	1982	66.9		
1820	7.5	1860	16.0	1901	27.3	1942	51.0	1983	76.0		
1821	7.5	1861	15.6	1902	26.7	1943	51.9	1984	75.3		
1822	7.1	1862	14.2	1903	28.4	1944	56.2	1985	73.4		
1823	7.5	1863	13.6	1904	26.5	1945	55.7	1986	74.0		
1824	7.6	1864	13.6	1905	28.1	1946	56.1	1987	79.1		
1825	7.9	1865	12.6	1906	33.2	1947	72.8	1988	81.7		
1826	8.5	1866	15.9	1907	31.7	1948	76.3	1989	84.1		
1827	8.6	1867	16.9	1908	30.4	1949	73.7	1990	83.4		
1828	9.0	1868	17.4	1909	28.3	1950	82.8	1991	83.6		
1829	8.9	1869	17.0	1910	26.8	1951	80.5	1992	96.9		
1830	8.8	1870	17.4	1911	28.8	1952	80.5	1993	122.8		
1831	8.8	1871	18.4	1912	29.1	1953	80.8	1994	126.1		
1832	8.7	1872	18.7	1913	30.4	1954	79.1	1995	116.1		
1833	9.1	1873	19.0	1914	28.8	1955	84.1	1996	120.3		
1834	10.0	1874	18.8	1915	27.6	1956	83.1	1997	130.2		
1835	8.8	1875	18.0	1916	25.3	1957	75.9	1998	120.1		
1836	8.0	1876	18.4	1917	24.1	1958	73.8	1999	126.0		
1837	11.5	1877	18.6	1918	25.0	1959	79.3	2000	119.7		
1838	12.0	1878	18.6	1919	32.0	1960	75.7	2001	114.9		
1839	11.4	1879	19.9	1920	42.0	1961	72.0	2002	114.2		
1840	12.6	1880	19.4	1921	35.9	1962	73.1	2003	116.7		

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

[b]1800–1914, Cornell University Agricultural Experiment Station (17);
1915–present, U.S. Department of Labor, Bureau of Labor Statistics (73);
1800–1964 (1992 = 100) 1965–present (1997 = 100).

Table 37—Plywood production, imports, exports, and consumption, by softwoods and hardwoods,1965–2013 (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[r]	17,296	15,200	2,096	4,115	907	3,208	619	439	180	20,792	15,668	5,124	72	55	18
2003[r]	16,753	14,706	2,047	4,489	1,306	3,183	640	410	230	20,603	15,602	5,001	71	54	17
2004	16,687	14,665	2,022	6,629	2,023	4,606	783	492	291	22,532	16,196	6,336	77	55	22
2005	16,327	14,330	1,997	6,964	2,421	4,543	686	411	275	22,604	16,340	6,264	76	55	21
2006	15,238	13,428	1,810	6,361	1,848	4,513	635	424	211	20,964	14,852	6,112	72	51	21
2007	14,013	12,243	1,770	4,972	1,087	3,885	732	553	179	18,253	12,777	5,476	61	42	18
2008	11,936	10,237	1,699	3,462	759	2,703	824	621	203	14,573	10,375	4,198	48	34	14
2009	10,192	8,608	1,584	2,751	616	2,135	619	473	146	12,325	8,751	3,574	40	28	12
2010	10,632	9,131	1,501	3,042	439	2,603	1,004	795	209	12,670	8,775	3,895	41	28	13
2011	10,281	8,980	1,301	3,081	478	2,603	949	740	209	12,413	8,718	3,695	40	28	12
2012	10,165	9,181	984	3,029	426	2,603	1,039	840	199	12,155	8,767	3,388	39	28	11
2013	10,247	9,346	901	3,219	616	2,603	1,035	836	199	12,431	9,126	3,305	41	29	13

[a]U.S. Department of Agriculture, Foreign Service (44); American Plywood Association, The Engineered Wood Association (12, 13); U.S. International Trade Commision (86, 87); U.S. Department of Agriculture, Foreign Agricultural Service (44). Data may not add to totals because of rounding.

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

[r]Revised.

Table 38—Production, imports, exports, and consumption of structural panel products, by type, 1980–2013 (million square feet, 3/8-in. basis)[a]

	Production			Imports			Exports			Consumption		
Year	Total	Softwood plywood	OSB	Total	Softwood plywood	OSB	Total	Softwood plywood	OSB	Total	Softwood plywood	OSB
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
2003	28,321	14,706	13,615	10,386	1,306	9,080	567	410	157	38,140	15,602	22,538
2004	28,936	14,665	14,271	11,870	2,023	9,847	685	492	193	40,120	16,196	23,924
2005	29,315	14,330	14,985	12,965	2,421	10,544	580	411	169	41,700	16,340	25,360
2006	28,388	13,428	14,960	11,986	1,848	10,138	603	424	179	39,771	14,852	24,919
2007	27,006	12,243	14,763	7,916	1,087	6,829	817	553	264	34,105	12,777	21,328
2008	23,240	10,237	13,003	4,425	759	3,666	1,071	621	450	26,594	10,375	16,219
2009	18,206	8,608	9,598	3,372	616	2,756	653	473	180	20,915	8,741	12,174
2010	19,430	9,131	10,299	3,266	439	2,827	1,074	795	279	21,622	8,775	12,847
2011	19,019	8,980	10,039	3,406	478	2,928	1,079	740	339	21,346	8,718	12,628
2012	20,219	9,181	11,038	3,804	426	3,378	1,147	840	307	22,876	8,767	14,109
2013	21,838	9,346	12,492	4,501	567	3,934	1,102	784	318	25,237	9,129	16,108

[a]APA – The Engineered Wood Association (11,12, 13); US International Trade Commision (86, 87); Data may not add to totals because of rounding.
[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, 1965–2013 (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[r]	6,531.5	840.5	1011.0	19.9	6.3	789.1	195.7	3,320.8	0.5	0.0	662.1	53.6	4.2	1,515.2	1049.9	35.3	1312.6	972.2	340.4	42.5	4.1
2003	6,480.9	796.4	1181.5	17.1	3.7	941.9	218.7	3,382.3	0.9	0.0	1,017.3	49.3	14.1	1,241.7	972.4	86.6	1079.0	893.1	185.9	35.9	5.9
2004	9,377.2	825.3	1305.1	10.9	3.6	1,055.8	234.8	5,781.0	3.2	0.0	2,954.1	80.5	1.7	1,177.8	1433.3	130.5	1425.8	1188.8	237.0	27.4	12.5
2005	9,249.0	969.5	799.0	1.2	10.9	596.9	190.0	6,176.0	0.9	0.0	3,891.3	67.3	0.3	984.2	1137.0	95.1	1259.8	986.1	273.8	18.3	26.4
2006	9,187.9	644.0	595.5	1.2	8.9	397.8	187.7	6,902.6	0.5	1.8	4,675.9	86.2	22.5	878.7	1179.1	57.8	200.4	832.6	-632.2	7.0	838.4
2007	7,910.5	464.7	549.3	3.7	3.7	266.0	275.9	6,033.1	0.1	6.8	4,279.6	130.0	1.0	649.7	935.6	30.3	260.0	556.3	-296.3	30.3	573.0
2008	5,502.8	352.4	324.9	0.2	6.9	137.5	180.3	4,172.8	0.1	5.5	3,177.8	63.0	1.0	483.6	422.7	19.1	186.5	438.2	-251.7	15.1	451.1
2009	4,347.1	250.8	404.8	0.1	3.1	144.6	257.0	3,045.4	0.2	1.2	2,465.5	51.7	0.5	431.7	213.0	-118.4	99.3	401.3	-302.0	2.2	544.5
2010	5,299.3	241.6	233.0	0.2	2.7	38.0	192.0	4,146.3	0.0	2.5	3,140.8	11.0	0.1	593.0	373.1	25.7	157.0	504.5	-347.5	2.9	518.6
2011	5,299.3	207.3	175.5	1.2	0.9	36.5	136.9	4,283.2	0.3	2.8	3,598.4	19.9	0.0	441.7	204.1	16.0	217.3	538.3	-321.0	1.7	414.3
2012	5,299.3	2103.2	316.0	0.8	3.9	33.1	278.3	4,283.2	0.2	4.8	3,888.6	44.7	0.3	531.2	228.8	-415.3	110.1	544.2	-434.2	2.7	-1515.9
2013[p]	5,299.3	2103.2	316.0	0.8	3.9	33.1	278.3	4,283.2	0.2	4.8	3,888.6	44.7	0.3	531.2	228.8	-415.33	110.1	544.2	-434.187	2.7	-1515.9

[a]U.S. International Trade Commission (86,87); U.S. Department of Agriculture, Foreign Agricultural Service (44). 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.

[p]Preliminary

[r]Revised

[z]Not Available

Table 40—Veneer imports and exports, by species, 1965–2013 (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[r]	4,714.0	2,328.7	954.4	1,374.3	2,385.3	3,720.7	3,460.4	92.8	836.8	2,530.9	260.3
2003	4,487.5	2,073.1	712.9	1,360.2	2,414.4	3,681.4	3,283.3	74.9	763.7	2,444.7	398.1
2004	5,491.5	2,310.4	706.6	1,603.8	3,181.1	4,280.4	3,707.5	104.2	880.7	2,722.6	572.9
2005	5,751.8	2,239.4	827.1	1,412.3	3,512.4	4,130.2	3,540.0	115.5	764.0	2,660.5	590.3
2006	5,057.3	1,911.2	596.3	1,314.9	3,146.2	4,098.1	3,424.5	139.0	763.9	2,521.7	673.6
2007	3,906.7	2,154.2	519.6	1,634.6	1,752.4	1,734.8	1,259.1	203.0	749.0	307.2	475.7
2008	2,821.3	1,539.8	442.1	1,097.7	1,281.5	960.7	653.1	146.0	623.0	- 116.0	307.7
2009	1,982.8	933.3	392.4	541.0	1,049.5	608.7	342.3	81.3	563.7	- 302.6	266.4
2010	2,109.1	960.8	392.4	568.5	1,148.2	626.1	350.6	136.4	540.5	- 326.3	275.5
2011	2,209.6	799.2	327.7	471.4	1,410.4	354.4	182.2	148.5	486.8	- 453.1	172.2
2012	2,558.4	899.6	636.4	263.2	1,658.8	366.4	127.0	103.9	515.9	- 492.8	239.4
2013	2,649.2	899.6	636.4	263.2	1,749.6	374.9	127.0	103.9	515.9	- 492.8	247.9

[a]American Forest and Paper Association (4); U.S. International Trade Commission (86,87); U.S. Department of Agriculture, Foreign Agriculture Service (44).
Data may not add to totals because of rounding.
[b]Red and white oak are included in Other for 1965 to 1977.
[r]Revised

Table 41—Hardwood veneer imports, by country or region of origin, 1965–2013 (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	6.8	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
2003	2,073.1	1,168.7	259.3	13.7	0.2	245.4	158.3	3.4	0.0	154.9	283.3	187.2	16.4
2004	2,310.4	1,400.6	212.1	17.7	3.3	191.0	149.6	3.7	0.0	145.9	289.8	228.6	29.6
2005	2,239.4	1,196.5	308.6	20.7	- 1.8	289.7	177.6	4.9	0.0	172.8	295.3	235.5	25.9
2006	1,911.2	673.3	135.3	20.2	- 19.8	134.9	172.6	3.4	0.0	169.2	234.8	189.9	505.4
2007	2,154.2	124.7	473.6	15.1	- 14.9	473.4	252.7	6.7	0.0	246.1	276.6	169.7	857.0
2008	1,539.8	65.4	112.9	11.1	- 11.1	112.9	196.2	5.1	0.0	191.1	226.1	178.5	760.8
2009	933.3	0.0	31.5	7.5	- 7.5	31.5	196.2	1.8	0.0	194.4	114.0	106.4	485.3
2010	960.8	35.8	42.2	6.6	- 6.6	42.2	112.1	1.9	0.0	110.2	129.0	103.9	537.8
2011	799.2	230.4	30.55	3.8	- 3.8	30.54	102.3	1.5	0.0	100.8	115.8	109.0	211.1
2012	899.6	17.1	72.62	3.2	- 2.5	71.90	86.5	1.4	0.0	85.0	176.6	122.0	424.8
2013	899.6	17.1	72.62	3.2	- 2.5	71.90	86.5	1.4	0.0	85.0	176.6	122.0	424.8

[a]U.S. International Trade Commission (86,87); U.S. Department of Agriculture, Foreign Agricultural Service (44). 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, 1965–2013 (2009 = 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	27.2	84.3	21.8	67.5	[z]	[z]	[z]	[z]	53.8	166.6
1966	27.4	82.2	21.9	65.7	[z]	[z]	[z]	[z]	54.3	163.1
1967	26.3	78.8	20.6	61.7	[z]	[z]	[z]	[z]	53.5	160.3
1968	30.4	89.0	26.6	77.9	[z]	[z]	[z]	[z]	53.8	157.4
1969	32.3	90.6	28.7	80.6	26.9	75.5	32.1	90.3	55.8	156.7
1970	28.5	77.3	23.4	63.5	21.9	59.3	27.2	73.6	54.8	148.6
1971	30.2	79.2	26.2	68.7	24.4	64.0	31.0	81.5	47.2	123.8
1972	34.4	86.4	31.9	80.2	29.8	74.9	37.1	93.1	55.9	140.4
1973	40.9	90.8	40.0	88.9	37.7	83.8	42.9	95.3	60.4	134.3
1974	42.4	79.2	38.5	72.0	36.5	68.2	40.6	75.9	69.7	130.4
1975	42.4	72.6	41.4	70.8	39.2	67.2	42.6	72.9	64.0	109.6
1976	49.2	80.6	51.1	83.6	47.3	77.5	55.9	91.5	65.7	107.5
1977	55.8	86.0	61.0	94.0	56.2	86.6	68.1	104.9	68.3	105.2
1978	62.0	88.7	67.3	96.3	62.7	89.7	72.9	104.3	75.1	107.4
1979	65.9	83.8	66.4	84.4	63.5	80.7	66.7	84.7	90.6	115.1
1980	64.9	72.2	63.7	70.9	60.1	66.9	66.4	74.0	97.5	108.6
1981	64.7	66.0	63.2	64.5	60.7	61.9	63.1	64.4	96.3	98.3
1982	61.1	61.1	58.2	58.2	54.6	54.6	61.3	61.3	97.0	97.0
1983	64.3	63.4	64.0	63.2	59.4	58.7	69.1	68.2	96.3	95.1
1984	63.6	61.3	62.6	60.4	58.8	56.7	65.3	63.0	96.6	93.2
1985	60.8	59.0	62.5	60.5	58.8	57.0	64.9	62.9	87.2	84.5
1986	61.9	61.8	63.6	63.5	60.0	59.9	66.0	65.9	88.3	88.1
1987	62.7	61.0	63.9	62.1	60.8	59.1	65.1	63.3	90.1	87.7
1988	63.2	59.1	63.5	59.4	61.7	57.7	62.4	58.4	91.4	85.5
1989	70.8	63.1	72.3	64.4	70.6	62.9	70.1	62.4	96.8	86.3
1990	69.8	60.0	69.6	59.8	68.4	58.9	66.7	57.3	99.6	85.7
1991	69.8	59.9	70.3	60.3	69.2	59.4	67.1	57.6	99.7	85.6
1992	81.4	69.5	85.6	73.1	83.5	71.2	84.6	72.2	103.7	88.5
1993	93.3	78.5	98.7	83.0	97.3	81.9	95.6	80.4	112.0	94.2
1994	96.9	80.5	102.9	85.4	101.0	83.9	102.6	85.2	118.6	98.5
1995	101.0	81.0	109.4	87.7	105.0	84.2	112.4	90.2	118.5	95.0
1996	95.5	74.8	101.0	79.1	98.3	77.0	96.6	75.7	121.2	94.9
1997	97.3	76.3	102.1	80.0	100.0	78.4	100.0	78.4	123.3	96.6
1998	96.1	77.2	101.7	81.8	98.0	78.8	106.2	85.4	123.1	98.9
1999	107.8	85.9	120.4	96.0	116.7	93.0	125.4	99.9	124.7	99.4
2000	96.3	72.5	100.8	76.0	97.9	73.8	101.7	76.6	126.3	95.2
2001	94.3	70.2	97.6	72.7	94.3	70.2	100.2	74.6	126.5	94.2
2002	92.7	70.7	95.5	72.8	93.0	71.0	94.9	72.4	127.5	97.3
2003	102.0	73.9	114.0	82.5	111.1	80.5	123.5	89.5	125.1	90.6
2004	121.3	82.7	146.0	99.5	[d]	[d]	[d]	[d]	130.4	88.9
2005	114.1	72.5	130.0	82.6	[d]	[d]	[d]	[d]	97.0	61.6
2006	105.5	64.0	110.8	67.2	[d]	[d]	[d]	[d]	98.4	59.7
2007	107.6	62.2	115.1	66.6	[d]	[d]	[d]	[d]	99.3	57.4
2008	106.7	56.3	112.3	59.2	[d]	[d]	[d]	[d]	100.7	53.1
2009	100.0	57.8	100.0	57.8	[d]	[d]	[d]	[d]	100.0	57.8
2010	107.9	58.4	114.7	62.1	[d]	[d]	[d]	[d]	100.5	54.4
2011	104.6	52.1	108.1	53.8	[d]	[d]	[d]	[d]	100.8	50.1
2012	115.5	57.1	127.2	62.9	[d]	[d]	[d]	[d]	102.8	50.8
2013	121.9	60.3	137.8	68.1	[d]	[d]	[d]	[d]	104.8	51.8

[a]U.S. Department of Labor, Bureau of Labor Statistics (70).

[b]Hardwood plywood and related products.

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

[d]Discontinued Series after 2003

[z]Not Available

Table 43—Paper and board[a] production, imports, exports, and consumption, 1965–2013[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
2003	88,385	18,109	18.1	6,238	7.1	100,256	689
2004	91,899	19,036	18.3	6,742	7.3	104,193	709
2005	91,031	17,958	17.6	7,125	7.8	101,864	687
2006	91,800	17,724	17.3	7,085	7.7	102,439	707
2007	91,570	16,321	16.3	8,066	8.8	99,825	662
2008	87,619	14,675	15.7	8,654	9.9	93,640	615
2009	78,299	11,218	13.7	7,750	9.9	81,767	532
2010	82,968	11,144	13.1	8,781	10.6	85,331	551
2011	82,003	10,670	12.8	9,331	11.4	83,342	534
2012	81,051	10,490	12.7	9,036	11.1	82,565	525
2013	80,477	11,007	13.9	12,890	15.9	78,594	498

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

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

[c]Excludes converted products.

Table 44—Paper shipments, imports, exports, and consumption, 1965–2013[a]

Year	Shipments[b,c]	Imports[b,c,d]		Exports[b,c]		Consumption	
						Total[e]	
	Thousand tons	*Thousand tons*	*Percent of consumption*	*Thousand tons*	*Percent of production*	*Thousand tons*	Per capita[g] *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
2001r	42,104	14,502	27.3	3,389	8.0	53,217	374
2002r	41,510	14,502	27.4	3,111	7.5	52,901	368
2003[r]	40,367	16,224	30.3	3,107	7.7	53,484	367
2004	41,814	16,938	30.6	3,464	8.3	55,288	376
2005	41,321	15,995	29.9	3,739	9.0	53,578	361
2006	41,380	15,648	29.3	3,690	8.9	53,338	368
2007	41,170	14,408	28.1	4,346	10.6	51,231	340
2008	39,028	12,892	27.3	4,716	12.1	47,205	310
2009	33,808	9,671	24.6	4,216	12.5	39,263	256
2010	35,508	9,284	23.2	4,700	13.2	40,092	259
2011	34,130	8,887	23.2	4,782	14.0	38,235	245
2012	33,157	8,738	23.5	4,638	14.0	37,257	237
2013	32,269	9,041	24.6	4,545	14.1	36,765	232

[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 U.S. 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.
[g]Based upon population data given in Table 1.
[r]Revised

Table 45—Paperboard[a] production,[b] imports, exports, and consumption, 1965–2013

Year	Production[c,d]	Imports[c,d]		Exports[c,d,e]		Consumption	
						Total[h]	
	Thousand tons	*Thousand tons*	*Percent of consumption*	*Thousand tons*	*Percent of production*	*Thousand tons*	Per capita[g] *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
2003	48,018	1,884	4.0	3,131	6.5	46,771	321
2004	50,085	2,098	4.3	3,278	6.5	48,905	333
2005	49,710	1,963	4.1	3,387	6.8	48,287	326
2006	50,420	2,076	4.2	3,395	6.7	49,101	339
2007	50,400	1,913	3.9	3,719	7.4	48,594	322
2008	48,591	1,783	3.8	3,939	8.1	46,435	305
2009	44,491	1,547	3.6	3,534	7.9	42,504	277
2010	47,460	1,860	4.1	4,081	8.6	45,239	292
2011	47,389	1,783	4.0	4,549	9.6	44,623	286
2012	47,759	1,703	3.8	4,398	9.2	45,064	287
2013	48,150	1,926	4.6	8,297	17.1	41,779	266

[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.
[g]Based upon population data given in Table 1.
[h]Consumption = Production + Imports – Exports.
[r]Revised

Table 46—Paper and board production and fibrous materials consumed in the manufacture of paper and board, 1965–2013

Year	Paper and board[a] production[b,e]	Consumption of fibrous materials				Consumption of fibrous materials per ton of paper and board produced				Recovered Paper Utilization Rate
		Total	Wood pulp[c]	Recovered Paper[d]	Other[e]	Total	Wood pulp	Recovered paper[g]	Other	
	Thousand tons	*Thousand tons*	*Thousand tons*	*Thousand Tons*	*Thousand tons*	*Tons*	*Tons*	*Tons*	*Tons*	*Percent*[h]
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[r]	88,913	94,232	59,380	34,527	268	1.060	0.668	0.388	0.003	38.8
2002	89,636	93,967	59,063	34,579	261	1.048	0.659	0.386	0.003	38.6
2003	88,385	92,478	58,503	33,650	236	1.046	0.662	0.381	0.003	38.1
2004	91,899	94,627	59,566	34,736	212	1.030	0.648	0.378	0.002	37.8
2005	91,031	94,891	60,616	33,950	206	1.042	0.666	0.373	0.002	37.3
2006	91,800	95,697	60,901	34,471	215	1.042	0.663	0.376	0.002	37.6
2007	91,570	89,841	55,598	33,918	215	0.981	0.607	0.370	0.002	37.0
2008	87,619	84,104	51,381	32,398	215	0.960	0.586	0.370	0.002	37.0
2009	78,299	75,838	46,464	29,049	172	0.969	0.593	0.371	0.002	37.1
2010	82,960	77,275	45,613	31,337	176	0.931	0.550	0.378	0.002	37.8
2011	82,003	75,802	45,184	30,293	179	0.930	0.554	0.372	0.002	37.2
2012	81,051	75,632	45,609	29,698	180	0.928	0.559	0.364	0.002	36.4
2013	80,477	75,862	45,609	29,928	161	0.940	0.565	0.371	0.002	37.1

[a]Excludes wet machine board and construction grades.

[b]Production numbers = totals in Table 43. Source: See (e) below.

[c]Wood pulp consumption numbers from Table 49.

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

[e]American Forest & Paper Association (5), American Forest & Paper Association, Paper Recycling Group (7)

[g]When given in percents, referred to as "Recovered Paper Utilization Rate".

[h] Recovery Rate is the ratio of paper and board production to recovered paper consumption.

[r]Revised.

Table 47—Paper and board new supply and recyclable paper consumption, exports, imports, and total recovered, 1965–2013[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[g]
	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	97,395	34,527	2,200	10,597	328	46,996	48.3
2002	98,949	34,579	2,200	11,267	411	47,635	48.1
2003	98,016	33,650	2,200	13,805	399	49,256	50.3
2004	101,882	34,736	2,200	13,910	558	50,288	49.5
2005	99,613	33,950	2,000	15,868	545	51,272	51.5
2006	100,665	34,471	1,825	17,501	483	53,314	53.0
2007	97,007	33,918	1,285	19,886	764	54,325	56.0
2008	89,838	32,398	745	19,469	789	51,822	57.7
2009	78,902	29,049	300	21,017	331	50,036	63.4
2010	81,209	31,337	300	20,692	784	51,545	63.5
2011	78,959	30,293	300	23,197	1,005	52,767	66.8
2012	78,498	29,698	300	22,188	1,094	51,092	65.1
2013	78,954	29,928	300	20,794	894	50,128	63.5

[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.
[g]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], 1970–2013 (thousand short tons)[b]

Year	Recovered paper consumption						Total recovery rate (%)[d,r]
	Mixed grades	Old newspapers	Old corrugated	Pulp substitutes[c]	High grade deinking	Total all grades	
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
2003	4,591.0	5,756.0	19,294.0	1,818.0	2,473.0	33,932.0	50.3
2004	4,976.0	5,867.0	19,926.0	1,701.0	2,537.0	35,007.0	49.5
2005	4,519.0	5,700.0	20,024.0	1,438.0	2,523.0	34,204.0	51.5
2006	4,690.0	5,807.0	19,967.0	1,541.0	2,721.0	34,726.0	53.0
2007	4,481.0	5,272.0	20,159.0	1,487.0	2,775.0	34,174.0	56.0
2008	4,564.0	4,850.0	19,161.0	1,359.0	2,721.0	32,655.0	57.7
2009	4,150.0	3,826.0	17,415.0	1,218.0	2,659.0	29,268.0	63.4
2010	4,371.0	3,886.0	19,327.0	1,260.0	2,708.0	31,552.0	63.5
2011	3,950.0	3,441.0	19,339.0	1,204.0	2,574.0	30,508.0	66.8
2012	4,204.0	2,877.0	19,057.0	1,171.0	2,604.0	29,913.0	65.1
2013	3,998.0	2,468.0	19,805.0	1,166.0	2,706.0	30,143.0	63.5

[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, 1965–2013[a]

Year	Production[b,d]	Imports		Exports[d]		Consumption[c]	
						Total	Per capita[d]
	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	60,311	4,893	8.3	5,905	9.8	59,299	475
1991	60,217	4,997	8.5	6,338	10.5	58,876	466
1992	61,885	5,029	8.4	7,222	11.7	59,692	467
1993	62,455	5,413	8.8	6,499	10.4	61,369	476
1994	62,770	5,650	9.2	6,728	10.7	61,692	473
1995	63,507	5,969	9.8	8,261	13.0	61,215	466
1996	62,880	5,692	9.3	7,170	11.4	61,402	463
1997	62,740	6,398	10.3	6,990	11.1	62,147	464
1998	61,114	5,984	9.8	6,025	9.9	61,073	452
1999[r]	62,914	6,660	10.5	5,936	9.4	63,638	466
2000	62,599	7,227	11.4	6,409	10.2	63,417	450
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
2003	57,659	6,691	11.4	5,847	10.1	58,503	402
2004	59,092	6,726	11.3	6,225	10.5	59,593	405
2005	59,121	6,762	11.4	6,413	10.8	59,470	401
2006	59,204	6,939	11.7	6,606	11.2	59,537	411
2007	58,605	6,793	11.6	6,831	11.7	58,567	388
2008	56,565	6,272	11.4	7,790	13.8	55,047	362
2009	50,598	5,044	10	7,519	14.9	48,123	313
2010	52,832	6,163	12.1	8,265	15.6	50,730	328
2011	53,175	6,117	12.2	9,068	17.1	50,224	322
2012	53,001	5,599	11.1	8,125	15.3	50,475	321
2013	53,099	6,112	12.0	8,146	15.3	51,065	323

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

[b]United Nations Food and Agriculture Organization (41); American Forest and Paper Association (2, 4).

[c]Consumption = Production + Imports - Exports.

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

[r]Revised.

Table 50—Pulpwood consumed in the manufacture of wood pulp, 1965–2013[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	1.53	60,311
1991	91,925	1.53	60,217
1992	93,642	1.51	61,885
1993	90,996	1.46	62,455
1994	93,259	1.49	62,770
1995	93,013	1.46	63,507
1996	88,246	1.40	62,880
1997	92,312	1.47	62,740
1998	90,591	1.48	61,114
1999	86,969	1.38	62,914
2000	87,453	1.40	62,599
2001	83,384	1.43	58,198
2002	82,715	1.42	58,069
2003	85,001	1.47	57,659
2004	86,903	1.47	59,092
2005	86,284	1.46	59,121
2006	85,883	1.45	59,204
2007	85,696	1.46	58,605
2008	86,341	1.53	56,565
2009	89,992	1.78	50,598
2010	85,038	1.61	52,832
2011	86,548	1.63	53,175
2012	88,887	1.68	53,001
2013	91,251	1.72	53,099

[a]U.S. Department of Commerce, Bureau of the Census (68); American Forest and Paper Association (3,5,6); American Pulpwood Association (10). 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, 1965–2013 (2009 = 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	14.8	45.7	18.4	56.9	19.2	59.5	26.9	83.3	17.6	54.4
1966	15.2	45.5	19.0	57.0	19.4	58.1	26.9	80.8	17.6	52.8
1967	15.3	45.9	19.4	58.2	18.9	56.6	26.7	80.0	17.6	52.6
1968	15.5	45.4	19.8	58.0	18.1	53.1	26.9	78.7	17.6	51.4
1969	16.0	44.8	20.5	57.6	18.8	52.9	28.2	79.2	17.6	49.4
1970	16.6	45.0	21.6	58.5	19.2	51.9	27.0	73.1	19.2	52.1
1971	16.9	44.3	22.2	58.3	19.4	50.9	27.4	71.9	19.7	51.7
1972	17.4	43.8	22.6	56.8	20.0	50.2	28.4	71.3	19.6	49.2
1973	18.8	41.7	23.6	52.5	21.8	48.5	30.1	66.9	22.5	50.0
1974	23.3	43.5	28.9	54.0	28.8	53.9	33.0	61.6	38.3	71.6
1975	26.2	44.8	33.6	57.6	32.2	55.2	33.9	58.1	49.8	85.3
1976	27.5	45.1	35.5	58.0	33.3	54.6	37.0	60.6	50.3	82.3
1977	28.6	44.1	37.8	58.2	33.3	51.4	41.9	64.6	49.4	76.1
1978	30.0	42.9	40.1	57.4	34.0	48.7	50.0	71.5	46.8	67.0
1979	33.6	42.7	44.7	56.7	38.3	48.6	48.7	61.9	55.2	70.1
1980	38.3	42.6	49.9	55.6	44.4	49.4	55.0	61.3	66.8	74.4
1981	42.0	42.9	54.4	55.5	48.8	49.8	61.8	63.1	69.8	71.2
1982	44.3	44.3	55.7	55.7	48.3	48.3	63.9	63.9	66.6	66.6
1983	45.8	45.2	54.8	54.1	47.5	46.9	66.7	65.9	60.9	60.1
1984	48.9	47.1	58.9	56.8	53.3	51.4	69.1	66.7	69.8	67.3
1985	50.2	48.7	59.0	57.2	52.0	50.4	68.6	66.5	60.9	59.0
1986	51.5	51.4	59.6	59.5	51.4	51.3	69.5	69.4	63.0	62.9
1987	54.0	52.5	62.1	60.4	57.0	55.4	71.1	69.1	74.2	72.2
1988	57.8	54.1	68.6	64.2	64.3	60.1	72.4	67.7	91.0	85.1
1989	61.1	54.4	72.2	64.3	67.6	60.3	73.9	65.8	104.8	93.4
1990	62.6	53.8	71.7	61.7	65.5	56.3	71.7	61.6	100.7	86.6
1991	63.3	54.4	70.7	60.6	62.8	53.9	71.4	61.3	79.4	68.1
1992	64.4	54.9	68.6	58.5	64.8	55.3	76.4	65.2	79.2	67.5
1993	65.3	54.9	68.9	58.0	62.7	52.8	84.8	71.3	69.4	58.3
1994	67.6	56.1	70.2	58.3	67.8	56.3	92.1	76.5	77.2	64.1
1995	76.3	61.2	88.5	71.0	88.4	70.9	92.6	74.2	122.0	97.8
1996	74.8	58.6	83.2	65.1	74.9	58.6	87.7	68.7	88.6	69.4
1997	74.4	58.3	80.1	62.8	69.7	54.6	82.8	64.9	85.6	67.1
1998	76.1	61.2	81.0	65.1	73.2	58.8	84.9	68.3	81.6	65.6
1999	77.2	61.5	79.0	62.9	73.9	58.9	90.5	72.1	79.7	63.5
2000	81.4	61.4	83.4	62.9	85.3	64.3	88.7	66.8	96.7	72.9
2001	81.9	61.0	83.9	62.5	83.1	61.9	82.6	61.6	83.8	62.4
2002	82.4	62.9	80.6	61.5	79.4	60.6	82.6	63.0	77.4	59.0
2003	84.2	61.0	81.3	58.9	78.5	56.9	102.2	74.0	80.8	58.5
2004	86.7	59.1	83.2	56.7	82.1	56.0	122.9	83.8	88.0	60.0
2005	89.8	57.1	88.9	56.5	84.7	53.8	118.1	75.1	91.9	58.4
2006	93.0	56.4	93.2	56.6	92.7	56.2	110.5	67.1	95.9	58.2
2007	96.1	55.6	94.3	54.5	97.3	56.3	99.2	57.4	107.5	62.2
2008	100.5	53.0	102.6	54.1	105.2	55.5	104.7	55.2	114.1	60.2
2009	100.0	57.8	100.0	57.8	100.0	57.8	100.0	57.8	100.0	57.8
2010	105.0	56.9	101.4	54.9	108.5	58.8	107.6	58.3	123.8	67.0
2011	108.6	54.1	106.5	53.0	111.2	55.3	104.5	52.0	129.7	64.5
2012	108.2	53.5	106.7	52.8	110.0	54.4	119.6	59.1	123.8	61.2
2013	110.3	54.5	106.2	52.5	117.6	58.2	132.8	65.7	120.3	59.5

[a]U.S. Department of Labor, Bureau of Labor Statistics (77).

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

Table 52—Producer price indexes for wastepaper, by grade, 1965–2013 (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	44.3	137.3	z	z	z	z	z	z	z	z	z	z
1966	46.8	140.5	z	z	z	z	z	z	z	z	z	z
1967	34.8	104.2	z	z	z	z	z	z	z	z	z	z
1968	45.3	132.4	z	z	z	z	z	z	z	z	z	z
1969	48.3	135.7	z	z	z	z	z	z	z	z	z	z
1970	43.5	118.0	z	z	z	z	z	z	z	z	z	z
1971	39.0	102.4	71.3	187.1	21.3	55.9	61.8	162.2	z	z	z	z
1972	46.5	116.9	z	z	z	z	z	z	z	z	z	z
1973	68.7	152.7	z	z	z	z	z	z	z	z	z	z
1974	92.5	172.9	z	z	z	z	z	z	z	z	z	z
1975	38.4	65.7	77.3	132.3	18.0	30.8	49.7	85.1	z	z	z	z
1976	64.4	105.4	137.9	225.6	27.1	44.4	108.5	177.6	z	z	z	z
1977	65.2	100.5	144.8	223.2	30.3	46.6	103.3	159.2	z	z	z	z
1978	66.6	95.3	138.6	198.2	38.9	55.6	111.9	160.1	z	z	z	z
1979	71.9	91.4	104.9	133.3	35.5	45.1	154.3	196.1	z	z	z	z
1980	72.7	80.9	115.7	128.8	38.5	42.8	106.4	118.5	z	z	z	z
1981	61.2	62.4	66.1	67.4	32.9	33.6	76.6	78.2	z	z	z	z
1982	42.2	42.2	z	z	z	z	z	z	z	z	z	z
1983	z	z	z	z	z	z	z	z	z	z	z	z
1984	83.6	80.6	133.4	128.7	42.5	40.9	166.5	160.5	z	z	z	z
1985	51.9	50.2	103.7	100.5	36.1	35.0	81.1	78.6	z	z	z	z
1986	60.2	60.0	95.3	95.1	31.7	31.6	124.7	124.5	z	z	z	z
1987	76.5	74.5	121.5	118.2	37.6	36.6	164.1	159.6	80.9	78.7	54.1	52.6
1988	77.5	72.5	119.5	111.8	41.4	38.7	131.2	122.8	97.3	91.1	55.4	51.8
1989	66.3	59.1	62.0	55.2	28.3	25.2	94.5	84.2	100.5	89.6	48.9	43.6
1990	58.6	50.4	51.9	44.6	21.3	18.3	86.7	74.6	88.6	76.1	43.5	37.4
1991	51.2	44.0	50.8	43.6	15.7	13.5	86.4	74.2	71.4	61.3	39.2	33.6
1992	49.6	42.3	45.5	38.9	15.8	13.5	76.7	65.4	73.4	62.6	38.7	33.0
1993	49.5	41.7	50.3	42.3	22.1	18.6	74.5	62.7	70.4	59.2	35.8	30.1
1994	88.4	73.4	101.4	84.3	52.0	43.2	168.9	140.3	82.4	68.4	53.5	44.4
1995	156.6	125.6	212.3	170.2	127.4	102.1	269.8	216.4	118.5	95.0	95.9	76.9
1996	59.7	46.8	55.5	43.4	29.3	22.9	106.7	83.5	62.1	48.7	38.5	30.2
1997	68.9	54.0	53.4	41.9	25.9	20.3	130.3	102.1	72.0	56.4	45.5	35.6
1998	61.4	49.3	59.9	48.2	41.8	33.6	94.2	75.7	68.0	54.6	36.4	29.2
1999	77.5	61.7	82.7	65.9	97.8	77.9	106.7	85.0	73.9	58.9	50.0	39.9
2000	119.2	89.8	124.2	93.6	202.7	152.7	128.1	96.5	119.2	89.8	67.6	50.9
2001	62.7	46.7	76.9	57.3	50.2	37.4	69.6	51.9	74.7	55.7	37.9	28.2
2002	73.0	55.7	94.2	71.9	101.7	77.6	103.6	79.0	76.6	58.4	51.3	39.1
2003	83.2	60.3	103.5	75.0	137.7	99.7	105.2	76.2	92.3	66.8	53.3	38.6
2004	97.6	66.6	121.1	82.5	185.1	126.2	138.9	94.7	100.6	68.6	69.1	47.1
2005	97.4	61.9	118.8	75.5	162.1	103.0	131.5	83.5	100.9	64.1	72.8	46.3
2006	99.1	60.1	113.9	69.1	138.2	83.9	137.2	83.3	104.5	63.4	72.8	44.1
2007	155.6	90.0	152.6	88.3	201.6	116.6	213.7	123.6	145.4	84.1	116.7	67.5
2008	157.2	82.9	166.1	87.6	197.4	104.1	188.8	99.6	162.5	85.7	124.9	65.9
2009	100.0	57.8	100.0	57.8	100.0	57.8	100.0	57.8	100.0	57.8	100.0	57.8
2010	177.8	96.3	134.3	72.7	193.5	104.8	211.1	114.3	174.5	94.5	188.4	102.0
2011	203.6	101.3	174.1	86.6	205.7	102.3	234.6	116.7	193.5	96.3	147.9	73.6
2012	156.4	77.4	120.4	59.6	183.0	90.5	175.9	87.0	148.1	73.3	147.9	73.1
2013	153.4	75.9	106.6	52.7	183.4	90.7	171.7	84.9	138.4	68.4	147.9	73.1

[a]U.S. Department of Labor, Bureau of Labor Statistics (70).

[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, 1965–2013 (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	1,038	135	6,897	26
1999[r]	6,229	4,816	1,413	1,221	135	7,315	27
2000	6,292	4,804	1,488	1,856	162	7,986	28
2001	5,480	4,096	1,384	1,936	192	7,224	25
2002	6,035	4,414	1,621	1,377	212	7,200	25
2003	5,592	3,984	1,608	1,574	194	6,972	24
2004	6,052	4,305	1,747	1,751	195	7,608	26
2005	5,951	4,111	1,840	1,571	199	7,322	25
2006	5,911	4,055	1,856	1,283	205	6,989	24
2007	5,432	3,543	1,889	1,241	328	6,345	21
2008	4,623	2,916	1,707	1,180	398	5,404	18
2009	3,865	2,194	1,671	1,144	338	4,671	15
2010	3,709	2,287	1,422	1,326	400	4,634	15
2011	3,750	2,290	1,460	1,333	407	4,676	15
2012	3,757	2,126	1,631	557	310	4,004	13
2013	4,048	2,321	1,727	630	338	4,340	14

[a]Composite Panel Association (15); U.S. International Trade Commission (86,87); U.S. Department of Agriculture, Foreign Agricultural Service (44). 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.

Table 54—Insulating board[a] production, imports, exports, and consumption, 1965–2013 (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
2003	2,335	305	170	2,470	8
2004	2,335	305	170	2,470	8
2005	2,335	305	170	2,470	8
2006	2,335	305	170	2,470	9
2007	2,335	305	170	2,470	8
2008	2,335	305	170	2,470	8
2009	2,335	305	170	2,470	8
2010	2,335	305	170	2,470	8
2011	2,335	305	170	2,470	8
2012	2,335	305	170	2,470	8
2013	2,335	305	170	2,470	8

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

[b]American Forest and Paper Association (3,5).

Data may not add to totals because of rounding.

[c]Includes other building board.

Table 55—Insulating board[a] production, imports, exports, and consumption, 1965–2013[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
2003	857	112	62	906	3
2004	857	112	62	906	3
2005	857	112	62	906	3
2006	857	112	62	906	3
2007	857	112	62	906	3
2008	857	112	62	906	3
2009	857	112	62	906	3
2010	857	112	62	906	3
2011	857	112	62	906	3
2012	857	112	62	906	3
2013	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, 1965–2013 (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
2003	4,304	3,080	648	6,736	23
2004	3,880	4,188	1,005	7,063	24
2005	4,347	4,786	1,076	8,056	27
2006	3,870	4,899	1,321	7,448	26
2007	3,312	4,010	1,215	6,107	20
2008	2,916	2,407	1,138	4,185	14
2009	2,226	1,538	994	2,770	9
2010	2,718	1,118	920	2,916	9
2011	2,466	697	798	2,366	8
2012	1,800	647	820	1,627	5
2013	2,100	712	739	2,073	7

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

[b]American Forest and Paper Association (3,4,5); U.S. International Trade Commission (86,87); Composite Panel Association (15); U.S. Department of Agriculture, Foreign Agricultural Service (44). Data may not add to totals because of rounding.

[c]Data for the years 1982 to present are for shipments. History numbers do not reflect entire industry.

Table 57—Producer price indexes for hardboard and particleboard, 1965–2013 (2009 = 100)[a]

	Hardboard and particleboard[b]		Hardboard		Particleboard[c]	
Year	Actual	Relative[d]	Actual	Relative[d]	Actual	Relative[d]
1965	32.2	99.8	z	z	z	z
1966	32.0	96.2	z	z	z	z
1967	30.9	92.6	z	z	z	z
1968	30.7	89.6	z	z	z	z
1969	31.8	89.4	z	z	z	z
1970	28.8	78.1	z	z	z	z
1971	28.9	75.8	z	z	z	z
1972	29.8	75.0	z	z	z	z
1973	32.7	72.7	z	z	z	z
1974	35.6	66.6	z	z	z	z
1975	35.1	60.2	z	z	z	z
1976	38.3	62.6	z	z	z	z
1977	43.6	67.2	z	z	z	z
1978	52.8	75.5	z	z	z	z
1979	51.3	65.1	z	z	z	z
1980	59.1	65.8	z	z	z	z
1981	65.8	67.1	z	z	z	z
1982	68.0	68.0	z	z	z	z
1983	70.9	70.0	z	z	54.9	54.1
1984	73.6	71.0	z	z	60.2	58.0
1985	72.1	69.9	84.0	81.4	56.9	55.1
1986	72.9	72.7	85.3	85.1	58.0	57.9
1987	74.4	72.4	81.4	79.2	62.5	60.8
1988	75.6	70.7	80.5	75.3	64.7	60.5
1989	76.3	68.0	80.1	71.4	66.4	59.1
1990	73.1	62.8	80.2	69.0	60.5	52.0
1991	72.4	62.1	79.2	67.9	60.4	51.9
1992	78.1	66.6	82.0	70.0	62.5	53.3
1993	87.1	73.2	87.2	73.4	71.9	60.5
1994	94.5	78.5	89.3	74.1	80.4	66.8
1995	94.9	76.1	90.6	72.7	80.3	64.4
1996	89.5	70.1	95.0	74.4	77.2	60.4
1997	84.2	66.0	96.8	75.9	73.6	57.7
1998	86.6	69.6	95.7	76.9	71.8	57.7
1999	92.5	73.7	97.6	77.7	74.0	59.0
2000	90.3	68.0	99.3	74.8	76.5	57.7
2001	83.3	62.1	93.1	69.4	71.7	53.4
2002	83.1	63.4	91.4	69.7	69.7	53.1
2003	104.0	75.3	93.3	67.6	70.9	51.4
2004	125.9	85.8	97.1	66.2	90.5	61.7
2005	120.3	76.4	96.1	61.0	87.5	55.6
2006	111.8	67.8	98.6	59.8	102.4	62.2
2007	99.5	57.5	98.0	56.7	101.0	58.4
2008	105.0	55.4	100.4	53.0	107.7	56.8
2009	100.0	57.8	100.0	57.8	100.0	57.8
2010	107.7	58.3	104.3	56.5	98.3	53.2
2011	104.7	52.1	107.2	53.3	101.5	50.5
2012	120.1	59.4	107.7	53.3	108.5	53.7
2013	134.0	66.3	112.0	55.4	114.9	56.8

[a]U.S. Department of Labor, Bureau of Labor Statistics (70).

[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, 1984–2013 (thousands of board feet)[a]

Year	Volume treated with					Plants treating with[c]			
	Total	Creosote solutions	Oilborne[b] 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
2003	8,772,963	1,168,768	468,270	6,977,434	158,491	70	46	381	35
2004	8,772,963	1,168,768	468,270	6,977,434	158,491	70	46	381	35
2005	8,772,963	1,168,768	468,270	6,977,434	158,491	70	46	381	35
2006	8,772,963	1,168,768	468,270	6,977,434	158,491	70	46	381	35
2007	8,772,963	1,168,768	468,270	6,977,434	158,491	70	46	381	35
2008	8,772,963	1,168,768	468,270	6,977,434	158,491	70	46	381	35
2009	8,772,963	1,168,768	468,270	6,977,434	158,491	70	46	381	35
2010	8,772,963	1,168,768	468,270	6,977,434	158,491	70	46	381	35

Year	Total[d]	Volume by product								
		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
2003	5,287,364	1,543,748	1,032,313	774,235	108,062	181,375	911,537	72,042	772,963	664,053
2004	5,287,364	1,543,748	1,032,313	774,235	108,062	181,375	911,537	72,042	772,963	664,053
2005	5,287,364	1,543,748	1,032,313	774,235	108,062	181,375	911,537	72,042	772,963	664,053
2006	5,287,364	1,543,748	1,032,313	774,235	108,062	181,375	911,537	72,042	772,963	664,053
2007	5,287,364	1,543,748	1,032,313	774,235	108,062	181,375	911,537	72,042	772,963	664,053
2008	5,287,364	1,543,748	1,032,313	774,235	108,062	181,375	911,537	72,042	772,963	664,053
2009	5,287,364	1,543,748	1,032,313	774,235	108,062	181,375	911,537	72,042	772,963	664,053
2010	5,287,364	1,543,748	1,032,313	774,235	108,062	181,375	911,537	72,042	772,963	664,053
2011	5,287,364	1,543,748	1,032,313	774,235	108,062	181,375	911,537	72,042	772,963	664,053
2012	5,287,364	1,543,748	1,032,313	774,235	108,062	181,375	911,537	72,042	772,963	664,053
2013	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 Preservation Institute (88); American Plywood Association, The Engineered Wood Association (11,12,13).
[b]Pentachlorophenol, Copper Napthenate, Zinc Napthenate, Copper-8-Quinolinolate, and TBTO (mostly pentachlorophenol).
[c]1984 was estimated.
[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 General Technical Report GTR-199 update, table 11, Hardwood Recovery Factor.
Plywood taken from GTR-199 update, Hardwood Plywood Lumber Conversion, table B-7. All Other taken from GTR-199 update, table B-10.

Table 59—Forest chemical products in liters and metric tons, 1965–2013[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 wood	Total	Tall oil rosin	Gum rosin	Steam distilled wood
	1000 Metric Tons	*1000 Metric Tons*	*1000 Metric Tons*	*1000 Liters*	*1000 U.S. Liters*	*1000 U.S. Liters*	*1000 U.S. Liters*	*1000 Metric Tons*	*1000 Metric Tons*	*1000 Metric Tons*	*1000 Metric Tons*
1965	149.1	[z]	[z]	132,575	79,595	21,073	31,907	537.5	162.9	93.9	280.7
1966	168.6	[z]	[z]	125,922	80,747	15,934	29,241	509.0	181.8	71.0	256.3
1967	166.6	[z]	[z]	118,816	79,419	12,817	26,579	485.9	177.0	58.1	250.8
1968	169.4	[z]	[z]	123,400	89,529	9,538	24,333	479.8	185.7	44.5	249.6
1969	185.4	[z]	[z]	116,816	90,728	6,621	19,466	452.8	206.1	30.9	215.8
1970	200.2	[z]	[z]	108,950	86,159	4,887	17,904	430.5	207.9	22.8	199.8
1971	203.6	[z]	[z]	107,597	86,074	5,366	16,157	423.9	209.3	23.9	190.7
1972	214.4	[z]	[z]	107,075	87,818	5,024	14,233	423.4	218.3	23.1	181.9
1973	206.2	[z]	[z]	103,342	85,635	4,325	13,381	380.4	202.0	18.4	160.0
1974	181.6	[z]	[z]	96,814	80,904	3,016	12,893	335.7	180.0	13.2	142.5
1975	146.6	[z]	[z]	81,253	70,293	3,807	7,152	240.0	146.1	16.2	77.7
1976	187.0	[z]	[z]	91,516	76,689	3,482	11,345	318.4	183.4	15.3	119.7
1977	179.6	89.1	90.5	89,483	76,810	2,766	9,907	310.1	184.0	12.2	113.9
1978	176.2	92.8	83.4	94,414	83,504	1,956	8,954	309.8	192.3	8.5	109.0
1979	191.6	97.4	94.2	99,364	88,738	1,396	9,230	322.2	210.6	6.4	105.2
1980	190.0	104.4	85.6	104,768	94,528	1,188	9,052	312.4	203.0	5.4	104.0
1981	191.5	92.8	98.7	97,502	88,212	1,022	8,269	301.2	201.6	4.6	95.0
1982	170.6	82.8	87.8	88,375	80,541	870	6,963	260.4	176.4	4.0	80.0
1983	194.5	94.0	100.5	90,096	83,985	889	5,222	276.3	192.4	3.9	80.0
1984	214.4	107.6	106.8	87,921	81,847	851	5,222	268.9	205.1	3.8	60.0
1985	186.0	97.1	88.9	83,977	79,833	662	3,482	238.1	195.0	3.1	40.0
1986	195.5	102.3	93.2	83,088	83,088	[z]	[z]	197.1	197.1	[z]	[z]
1987	210.0	103.7	106.3	87,781	87,781	[z]	[z]	229.2	229.2	[z]	[z]
1988	217.6	108.1	109.5	105,960	105,960	[z]	[z]	233.2	233.2	[z]	[z]
1989	219.3	104.3	115.0	112,579	112,579	[z]	[z]	238.3	238.3	[z]	[z]
1990	215.3	102.5	112.8	117,605	117,605	[z]	[z]	249.6	249.6	[z]	[z]
1991	240.7	114.3	126.4	97,510	97,510	[z]	[z]	239.0	239.0	[z]	[z]
1992	229.0	104.5	124.5	92,708	92,708	[z]	[z]	241.9	241.9	[z]	[z]
1993	232.0	97.6	134.4	102,607	102,607	[z]	[z]	259.6	259.6	[z]	[z]
1994	253.7	113.3	140.4	99,996	99,996	[z]	[z]	256.2	256.2	[z]	[z]
1995	227.1	99.1	128.0	95,849	95,849	[z]	[z]	247.8	247.8	[z]	[z]
1996	231.5	99.1	132.4	84,814	84,814	[z]	[z]	264.2	264.2	[z]	[z]
1997	248.8	102.5	146.3	96,742	96,742	[z]	[z]	280.4	280.4	[z]	[z]
1998	256.3	118.9	137.4	91,376	91,376	[z]	[z]	247.0	247.0	[z]	[z]
1999	263.8	121.5	142.3	78,460	78,460	[z]	[z]	210.1	210.1	[z]	[z]
2000	239.1	92.9	146.3	87,342	87,342	[z]	[z]	222.7	222.7	[z]	[z]
2001	211.1	86.7	124.4	84,973	84,973	[z]	[z]	187.9	187.9	[z]	[z]
2002	219.4	92.8	126.6	91,436	91,436	[z]	[z]	208.9	208.9	[z]	[z]
2003	255.9	107.0	148.9	87,277	87,277	[z]	[z]	219.5	219.5	[z]	[z]
2004	348.2	174.1	174.1	85,026	85,026	[z]	[z]	244.3	244.3	[z]	[z]
2005	339.8	165.7	174.1	83,546	83,546	[z]	[z]	237.5	237.5	[z]	[z]
2006	340.1	[z]	[z]	82,490	82,490	[z]	[z]	252.0	252.0	[z]	[z]
2007	345.0	[z]	[z]	84,957	84,957	[z]	[z]	256.0	256.0	[z]	[z]
2008	350.2	[z]	[z]	87,508	87,508	[z]	[z]	260.1	260.1	[z]	[z]
2009	341.2	[z]	[z]	85,813	85,813	[z]	[z]	254.9	254.9	[z]	[z]
2010	341.2	[z]	[z]	85,813	85,813	[z]	[z]	254.9	254.9	[z]	[z]
2011	341.2	[z]	[z]	85,813	85,813	[z]	[z]	254.9	254.9	[z]	[z]
2012	342.2	[z]	[z]	85,813	85,813	[z]	[z]	254.9	254.9	[z]	[z]
2013	342.2	[z]	[z]	85,813	85,813	[z]	[z]	254.9	254.9	[z]	[z]

[a]Naval Stores Review (31); Pine Chemicals Association (33).

[b]1965–1972 numbers are converted from 50 gallon bbls 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

[p]Preliminary

Table 60—Wood energy use in the United States, 1973–2013

Year	Trillion BTU					Million cubic feet of wood equivalent				
	Total	Residential	Commercial	Industrial	Electric utilities	Total	Residential	Commercial	Industrial	Electric utilities
1973	1527	354	7	1165	1	6108	1416	27	4659	5
1974	1538	371	7	1159	1	6151	1484	28	4636	3
1975	1497	425	8	1063	0	5988	1702	32	4253	1
1976	1711	482	9	1220	1	6846	1927	36	4880	4
1977	1837	542	10	1281	3	7346	2167	41	5125	13
1978	2036	622	12	1400	2	8145	2487	47	5602	8
1979	2150	728	14	1405	3	8599	2912	55	5619	12
1980	2483	859	21	1600	3	9931	3436	84	6400	11
1981	2495	869	21	1602	3	9978	3476	84	6408	10
1982	2477	937	22	1516	2	9908	3748	88	6064	8
1983	2639	925	22	1690	2	10557	3700	88	6760	9
1984	2629	923	22	1679	5	10515	3692	88	6716	19
1985	2576	899	24	1645	8	10303	3596	96	6580	31
1986	2518	876	27	1610	5	10073	3504	108	6440	21
1987	2465	852	29	1576	8	9861	3408	116	6304	33
1988	2552	885	32	1625	10	10207	3540	128	6500	39
1989	2637	918	36	1584	100	10548	3672	144	6334	398
1990	2191	581	39	1442	129	8762	2324	157	5768	514
1991	2190	613	41	1410	126	8759	2452	164	5639	503
1992	2290	645	44	1461	140	9162	2580	176	5845	561
1993	2227	548	46	1483	150	8907	2192	183	5933	599
1994	2315	537	46	1580	152	9261	2148	184	6319	609
1995	2420	596	46	1652	125	9678	2384	184	6608	502
1996	2467	595	50	1684	138	9867	2380	202	6734	551
1997	2350	433	49	1731	137	9398	1732	196	6922	548
1998	2175	387	48	1603	137	8702	1549	193	6414	547
1999	2224	414	52	1620	138	8895	1655	209	6478	552
2000	2257	433	53	1636	134	9027	1733	213	6544	537
2001	1980	370	40	1443	126	7918	1480	162	5770	506
2002	1899	313	39	1396	150	7595	1252	157	5586	601
2003	1929	359	40	1363	167	7717	1436	159	5453	669
2004	2015	332	41	1476	165	8060	1329	166	5904	661
2005	1826	332	41	1284	168	7302	1329	166	5137	670
2006	2109	390	65	1472	182	8436	1560	259	5890	727
2007	2098	430	69	1413	186	8394	1720	278	5652	744
2008	2044	450	73	1344	177	8177	1800	292	5375	709
2009	1881	430	72	1198	180	7522	1720	290	4792	720
2010	1979	420	70	1293	189	7916	1680	281	5172	755
2011	1967	420	70	1302	175	7868	1680	280	5208	700
2012	2010	420	61	1339	190	8040	1680	244	5356	760
2013	2138	580	70	1281	207	8552	2320	280	5124	828

Note: Wood equivalent is esimtated using 1 quadrillian BTUs equal to 4 billion cubic feet of wood, actual wood fuel includes roundwood, bark, mill residue, and black liquor from pulp mills.

Source: USDA Energy Information Administration, Monthly Energy Review.
http://www.eia.doe.gov/emeu/mer/renew.html (89)