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# Forestry Equipment: United States

October 2017



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# About This Report

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## Scope & Method

This report forecasts US forestry equipment demand and shipments in nominal US dollars at the manufacturers' level to 2021. Total demand is segmented by product in terms of:

- felling equipment
- extracting equipment
- loaders
- on-site processing equipment
- mulchers and other products such as dozers and other logging site preparation machinery
- separately sold parts and attachments

Included in the scope of this report are both purpose-built forestry machinery and agricultural and construction equipment adapted for use in forestry applications. In addition to equipment used directly in mechanized and motor-manual (principally chainsaw-based) felling, extracting, on-site processing, and loading operations, this report covers equipment (such as dozers) used to prepare sites for harvesting operations.

Excluded from the scope of this report are vehicles utilized to transport personnel and equipment to and from forestry sites; on-road trucks and trailers used to transport logs and wood chips from the landing to sawmills and other off-site facilities; used forestry equipment of all types; personal protection products like helmets and gloves; and axes, handsaws, and other non-powered equipment (such as log sleds/skids designed to be pulled by horses) used in manual logging operations.

To illustrate historical trends, total demand is provided in annual series from 2006 to 2016; shipments and the various segments are reported at five-year intervals for 2006, 2011, and 2016.

This report quantifies trends in various measures of growth and volatility. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. The volatility of datapoints around a least squares growth trend over time is expressed via the coefficient of determination, or  $r^2$ . The most stable data series relative to the trend carries an  $r^2$  value of 1.0; the most volatile – 0.0. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

## About This Report

Key macroeconomic indicators are also provided with quantified trends. Other various topics, including profiles of pertinent leading suppliers, are covered in this report. A full outline of report items by page is available in the Table of Contents.

## Sources

*Forestry Equipment: United States* (FF75044) is based on *Global Forestry Equipment*, a comprehensive industry study published by The Freedonia Group. Reported findings represent the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources including:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- national, regional, and international non-governmental organizations
- trade associations and their publications
- the business and trade press
- indicator forecasts by The Freedonia Group
- the findings of other reports and studies by The Freedonia Group

Specific sources and additional resources are listed in the Resources section of this publication for reference and to facilitate further research.

## Industry Codes

Table 5 | Industry Codes Related to Forestry Equipment

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industry Codes	
115310	Support Activities for Forestry	0851	Forestry Services
333120	Construction Machinery Mfg	3531	Construction Machinery and Equipment
333210	Sawmill and Woodworking Machinery Mfg	3553	Woodworking Machinery
423810	Construction and Mining (except Oil Well) Machinery and Equipment Merchant Wholesalers	5082	Construction and Mining (Except Petroleum) Machinery and Equipment

Source: US Census Bureau

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## Resources

### The Freedonia Group

*Global Forestry Equipment*, October 2017

### Freedonia Industry Studies

*Global Construction Machinery*, August 2017

*Global Power Tools Market*, May 2017

*Power Lawn & Garden Equipment Market in the US*, February 2017

*Global Diesel Engines Market*, January 2017

*World Agricultural Equipment*, April 2016

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*Agricultural Equipment: United States*

*Construction Machinery: United States*

*Diesel Engines: United States*

*Fabricated Metal Products: United States*

*Lawnmowers: United States*

*Paper & Paperboard: United States*

*Wood Millwork: United States*

*World Forestry Equipment*

### Freedonia Custom Research

### Trade Publications

*Diesel Progress*

*Friday Offcuts*

*International Forest Industries*

*International Journal of Forest Engineering*

*Loggers World*

*Material Handling & Logistics*

*Modern Materials Handling*

### Agencies & Associations

Association of Equipment Manufacturers

ASTM International

Food and Agriculture Organization of the United Nations

Forest Stewardship Council

International Organization for Standardization

Occupational Safety and Health Administration

United States Census Bureau

United States International Trade Commission