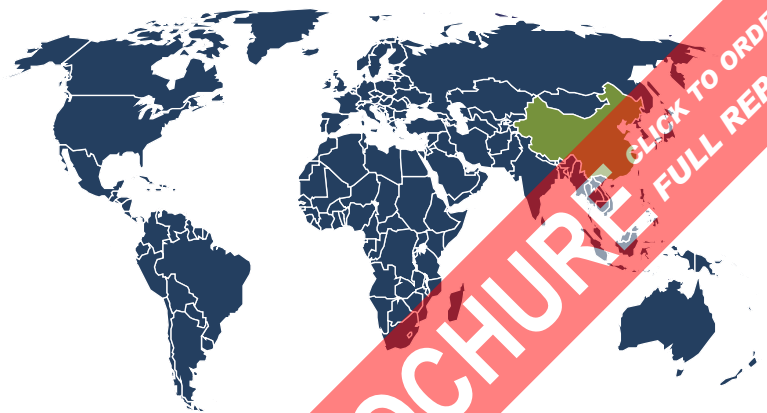




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Power Lawn & Garden Equipment: China

September 2021



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About This Report

Scope

This report forecasts to 2025 power lawn and garden equipment (动力草坪和园艺设备) demand and production in nominal US dollars at the manufacturer level in China. Total demand is segmented by product in terms of:

- chainsaws
- lawn mowers
- turf and grounds mowers
- trimmers and edgers
- other equipment such as chipper/shredders, garden tractors, and power tillers
- parts and attachments

Total demand is also segmented by market as follows:

- commercial
- consumer

To illustrate historical trends, total demand is provided in annual series from 2010 to 2020; production and the various segments are reported at five-year intervals for 2010, 2015, and 2020.

Since the vast majority of engines for power lawn and garden equipment are used in original equipment manufacturer (OEM) capacities, engines are excluded from the scope of this report, except insofar as they contribute to the value of the equipment that they power. Also excluded are non-powered equipment, lawn and garden consumables, and agricultural equipment.

For any given historical year, US dollar amounts are obtained from values expressed in the applicable local currency. These local currency values are converted to US dollars at the average annual exchange rate for that year. For forecast years, the US dollar amounts assume the same annual exchange rate as that prevailing in 2020.

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

Sources

Power Lawn & Garden Equipment: China (FC90016) is based on *Global Power Lawn & Garden 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, such as:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- intergovernmental and 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 6 | HS Codes Related to Power Lawn & Garden Equipment

HS Code	Definition
8430.20	Snowplows and snowblowers
8433.11	Powered rotary mowers for lawns, parks, or sports grounds
8433.19	Other mowers for lawns, parks, or sports grounds
8467.81	Chainsaws with self-contained non-electric motors

Source: United Nations Statistics Division

Freedonia Methodology

The Freedonia Group, a subsidiary of MarketResearch.com, has been in business for more than 30 years and in that time has developed a comprehensive approach to data analysis that takes into account the variety of industries covered and the evolving needs of our customers.

Every industry presents different challenges in market sizing and forecasting, and this requires flexibility in methodology and approach. Freedonia methodology integrates a variety of quantitative and qualitative techniques to present the best overall picture of a market's current position as well as its future outlook: When published data are available, we make sure they are correct and representative of reality. We understand that published data often have flaws either in scope or quality, and adjustments are made accordingly. Where no data are available, we use various methodologies to develop market sizing (both

top-down and bottom-up) and then triangulate those results to come up with the most accurate data series possible. Regardless of approach, we also talk to industry participants to verify both historical perspective and future growth opportunities.

Methods used in the preparation of Freedonia market research include, but are not limited to, the following activities: comprehensive data mining and evaluation, primary research, consensus forecasting and analysis, ratio analysis using key indicators, regression analysis, end use growth indices and intensity factors, purchase power parity adjustments for global data, consumer and end user surveys, market share and corporate sales analysis, product lifespan analysis, product or market life cycle analysis, graphical data modeling, long-term historical trend analysis, bottom-up and top-down demand modeling, and comparative market size ranking.

Freedonia 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.

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Outdoor Power Equipment

Power Transmission Engineering

Turf

Agencies & Associations

American Society of Landscape Architects

China Machinery Industry Federation

International Monetary Fund

National Bureau of Statistics of China

National Gardening Association

Organisation for Economic Co-operation and Development

Outdoor Power Equipment Institute

United Nations Comtrade

World Bank