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US Collection

# Perlite & Vermiculite: United States

May 2020



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# About This Report

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## Scope

This report forecasts to 2024 US perlite and vermiculite demand and production in metric tons. Total demand is segmented by product in terms of:

- perlite
- vermiculite

Total demand is also segmented by market as follows:

- building products
- agriculture and horticulture
- other markets such as fillers, filtration, and motor vehicle brake linings

To illustrate historical trends, total demand, total production, the various segments, and trade are provided in annual series from 2009 to 2019.

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

*Perlite & Vermiculite: United States* (FF65049) represents the synthesis and analysis of data from various 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 8 | NAICS & SIC Codes Related to Perlite & Vermiculite

NAICS/SCIAN 2017		SIC	
North American Industry Classification System		Standard Industrial Classification	
212399	All Other Nonmetallic Mineral Mining	1499	Miscellaneous Nonmetallic Minerals, Except Fuels
325320	Pesticide and Other Agricultural Chemical Manufacturing	2879	Pesticides and Agricultural Chemicals, NEC
325998	All Other Miscellaneous Chemical Product	2899	Chemicals and Chemical Preparations, NEC
327310	Cement Manufacturing	3272	Concrete Products, Except Block and Brick
327420	Gypsum Product Manufacturing	3275	Gypsum Products
327992	Ground or Treated Mineral and Earth Manufacturing	3295	Minerals and Earths, Ground or Otherwise Treated

Source: US Census Bureau

## 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.

## About This Report

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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## Resources

### The Freedonia Group

#### Freedonia Industry Studies

*Insulation*

*Lawn & Garden Consumables*

*Residential Insulation*

#### Freedonia Focus Reports

*Acoustic Insulation: United States*

*Commercial Building Construction: United States*

*Construction: United States*

*Construction Machinery: United States*

*Fertilizers: United States*

*Filters: United States*

*Global Industrial & OEM Insulation*

*Housing: United States*

*Insulation: United States*

*Mining & Quarrying: United States*

*Water Treatment Products: United States*

#### Freedonia Custom Research

### Trade Publications

*Chemical Week*

*Home Energy*

*Industrial Minerals*

*Insulation Outlook*

*The Journal of Light Construction*

*Mining Journal*

### Agencies & Associations

Industrial Minerals Association – North America

National Mining Association

Perlite Institute

United States Census Bureau

United States Environmental Protection Agency

United States Geological Survey

United States International Trade Commission

United States Mine Safety and Health Administration

The Vermiculite Association