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US Collection

Potash: United States

May 2018



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About This Report

Scope & Method

This report forecasts to 2022 US potash demand and production in metric tons. Total demand is segmented by product in terms of:

- potassium chloride
- potassium sulfate
- potassium magnesium sulfate
- other products such as potassium nitrate and potassium-sodium-nitrate mixtures

Total demand is also segmented by application as follows:

- fertilizer
- non-fertilizer

To illustrate historical trends, total demand, total production, and the various segments are provided in annual series from 2007 to 2017.

Demand is provided in terms of metric tons of equivalent potassium oxide content, which varies by product type. Potash compounds such as potassium hydroxide and potassium carbonate that are products of potassium chloride are not included in this report. Re-exports of potash are excluded from demand figures.

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.

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

Potash: United States (FF65021) represents 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 10 | Industry Codes Related to Potash

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industrial Classification	
212391	Potash, Soda, and Borate Mineral Mining	1474	Potash, Soda, and Borate Minerals
325181	Alkalies and Chlorine Manufacturing	2812	Alkalies and Chlorine
325314	Fertilizer (Mixing Only) Manufacturing	2873	Nitrogenous Fertilizers
325311	Nitrogenous Fertilizer Manufacturing	2879	Pesticides and Agricultural Chemicals, NEC

Source: US Census Bureau

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Resources

The Freedonia Group

Freedonia Industry Studies

Lawn & Garden Consumables in the US, February 2018

Pesticide Adjuvant Market in the US, March 2017

Agricultural Pesticide Market in the US, January 2017

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Agricultural Pesticides: United States

Alkalies & Chlorine: United States

Fertilizers: United States

Lawn & Garden Consumables: United States

Lawn & Garden Watering Products: United States

Mining & Quarrying: United States

Perlite & Vermiculite: United States

Pesticide Adjuvants: United States

Phosphate Rock: United States

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Engineering & Mining Journal

ICIS

Industrial Minerals

Pit and Quarry

The Progressive Farmer

Agencies & Associations

The Fertilizer Institute

International Fertilizer Industry Association

New Mexico Mining Association

Saskatchewan Mining Association

United States Department of Agriculture

United States Department of Commerce

Bureau of Economic Analysis

United States Census Bureau

United States Geological Survey

United States International Trade Commission