

Boron Fertilizers Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Source (Borax, Boric Acid, Others), By Application (Fruits & Vegetables, Cereals & Grains, Oilseeds & Pulses, Others), By Region and Competition, 2020-2030F

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Report description:

Market Overview

The Global Boron Fertilizers Market, valued at USD 2.80 Billion in 2024, is projected to experience a CAGR of 5.02% to reach USD 3.76 Billion by 2030. Boron fertilizers are compounds containing boron, an essential micronutrient vital for diverse plant physiological processes, including cell wall formation, carbohydrate metabolism, and reproductive development. The market's expansion is primarily driven by the escalating global demand for enhanced agricultural productivity to address food security concerns stemming from a growing population.

Key Market Drivers

The growth of the global boron fertilizers market is significantly propelled by the growing global food demand and population. As the world population expands, there is an escalating need for increased agricultural output and enhanced crop efficiency to ensure food security. Boron, as an essential micronutrient, plays a crucial role in improving crop yield, quality, and resistance to environmental stresses, directly addressing this fundamental requirement for intensified food production. Farmers are increasingly relying on specialized nutrient solutions to maximize productivity from existing arable land. According to the OECD-FAO Agricultural Outlook 2024-2033, published in July 2024, total agricultural and fisheries consumption is projected to grow by 1.1 percent annually over the next decade. This sustained demand for greater food volumes inherently translates into a heightened need for inputs that boost crop performance.

Key Market Challenges

A significant challenge impeding the expansion of the Global Boron Fertilizers Market is the inherent volatility in the prices of primary raw materials, specifically borax and boric acid. This fluctuation directly impacts production costs for manufacturers,

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which can lead to increased end-user prices for boron fertilizers. Higher prices often reduce farmer adoption rates, particularly in agricultural economies sensitive to input costs, thereby restricting overall market growth.

Key Market Trends

The rising adoption of precision agriculture and fertigation systems represents a significant trend in the global boron fertilizers market. This shift enables targeted nutrient application, optimizing boron delivery directly to crops while minimizing waste and environmental impact. By precisely matching nutrient supply with plant demand, these systems enhance the efficiency of boron uptake, which is crucial for maximizing crop yield and quality. According to The Fertilizer Institute (TFI), in December 2024, the U. S. accounted for close to 11% of global fertilizer consumption, underscoring the importance of efficient nutrient management in major agricultural economies. Supporting this trend, Yara International ASA launched YaraFX Insight in June 2023, an agricultural API solution designed to integrate the company's extensive crop nutrition knowledge into third-party digital platforms, with an ambition to cover 150 million hectares with its digital services by 2025. This integration of digital tools drives demand for tailored and highly soluble boron formulations compatible with advanced irrigation and application technologies.

Key Market Players

- DuPont de Nemours Inc
- Ineos Group Ltd
- INVISTA Sarl
- NOVA Chemicals Corporation
- Valspar Corporation
- Mitsui Chemicals, Inc.
- EVAL Europe N.V
- Honeywell International, Inc.
- The Dow Chemical Company
- Kuraray Co., Ltd

Report Scope:

In this report, the Global Boron Fertilizers Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

-□ Boron Fertilizers Market, By Source:

- o Borax
- o Boric Acid
- o Others

-□ Boron Fertilizers Market, By Application:

- o Fruits & Vegetables
- o Cereals & Grains
- o Oilseeds & Pulses
- o Others

-□ Boron Fertilizers Market, By Region:

- o North America
 - United States
 - Canada
 - Mexico
- o Europe
 - France
 - United Kingdom
 - Italy
 - Germany
 - Spain
- o Asia Pacific

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- China
- India
- Japan
- Australia
- South Korea
- o South America
- Brazil
- Argentina
- Colombia
- o Middle East & Africa
- South Africa
- Saudi Arabia
- UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies presents in the Global Boron Fertilizers Market.

Available Customizations:

Global Boron Fertilizers Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

-□Detailed analysis and profiling of additional market players (up to five).

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