

# **Boron Fertilizers Market Outlook 2025-2034: Market Share, and Growth Analysis By Fertilizer Type (Boric Acid, Borax, Boron Calcium Nitrate, Boron Humate, Other Types), By Crop Type (Cereals And Grains, Fruits And Vegetables, Oilseeds And Pulses, Other Crop Types), By Application Method, By End-Use**

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## **Abstracts**

The Boron Fertilizers Market is valued at USD 4 billion in 2025 and is projected to grow at a CAGR of 8.9% to reach USD 8.6 billion by 2034. Boron fertilizers are essential micronutrients used to promote healthy crop growth and improve yields. They play a critical role in various plant processes, including cell wall formation, membrane integrity, seed development, and nutrient transport. The boron fertilizers market has seen steady growth due to increasing global agricultural production, rising demand for high-quality crops, and expanding awareness of soil micronutrient deficiencies. As farmers strive to maximize crop productivity and meet growing food demands, boron fertilizers have become an integral part of modern farming practices, especially in regions where soils are naturally low in boron. The use of boron fertilizers is most prevalent in the cultivation of cash crops such as oilseeds, fruits, vegetables, and cereals. The growing trend of precision agriculture has further boosted the adoption of boron fertilizers, as farmers can more accurately apply nutrients based on soil testing and crop requirements. Innovations in fertilizer formulations—such as water-soluble, granular, and slow-release products—have also improved the efficiency of boron applications, reducing waste and environmental impact. Additionally, the rising popularity of organic and sustainable farming has encouraged the use of boron-based products derived from natural sources, providing a broader range of options for environmentally conscious growers. However, the boron fertilizers market faces challenges such as fluctuating raw material costs, the risk of over-application leading to toxicity, and the need for education on proper usage

and benefits. Limited awareness in some regions about the importance of micronutrient supplementation can also hinder market growth. Despite these challenges, ongoing research, increasing government support for agricultural development, and the growing adoption of advanced farming technologies are expected to drive further market expansion. As global agricultural practices continue to evolve, boron fertilizers will remain a critical component in ensuring sustainable and productive farming systems.

### Key Insights Boron Fertilizers Market

Rising adoption of precision agriculture techniques for targeted boron application.

Development of water-soluble and slow-release boron fertilizers for enhanced efficiency.

Growing interest in organic and sustainable boron-based products.

Increased awareness of boron's role in improving crop quality and resistance to diseases.

Expansion of boron fertilizer use in emerging markets with nutrient-deficient soils.

Rising global food demand necessitating higher agricultural productivity.

Increasing soil testing and awareness of micronutrient deficiencies in key crops.

Technological advancements improving fertilizer formulations and application methods.

Government initiatives and subsidies encouraging the use of micronutrient fertilizers.

Fluctuations in the availability and cost of raw boron materials.

Risk of over-application causing boron toxicity and soil imbalance.

Limited farmer awareness and education in regions with poor soil fertility

practices.

## Boron Fertilizers Market Segmentation

### By Fertilizer Type

Boric Acid

Borax

Boron Calcium Nitrate

Boron Humate

Other Types

### By Crop Type

Cereals And Grains

Fruits And Vegetables

Oilseeds And Pulses

Other Crop Types

### By Application Method

Foliar Spray

Soil Treatment

Fertigation

### By End-Use

Agriculture

Horticulture

Floriculture

Other End Uses

### Key Companies Analysed

Bayer AG

Honeywell International Inc.

Yara International ASA

INEOS Capital Limited

The Mosaic Company

Corteva Inc.

Asahi Kasei Corporation

BASF Agricultural Solutions

U.S. Borax

China Green Agriculture Inc.

Drexel Chemical Company

Verdesian Life Sciences

Kalyani Industries Limited

SCL Italia SpA

Rama Phosphates Ltd.

Deveron Corp

AgroLiquid

JH Biotech Inc.

Inkabor SAC

Microsource LLC

Koch Agronomic Services LLC

Quiborax SA

Minera Santa Rita SRL

OMEX Agricultural Holdings Limited

Aries Agro Limited

Valagro SpA

Rose Mill Co

## Boron Fertilizers Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

## Boron Fertilizers Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

### Countries Covered

North America — Boron Fertilizers market data and outlook to 2034

United States

Canada

Mexico

Europe — Boron Fertilizers market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Boron Fertilizers market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Boron Fertilizers market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Boron Fertilizers market data and outlook to 2034

Brazil

Argentina

Chile

## Peru

*\* We can include data and analysis of additional countries on demand.*

### Research Methodology

This study combines primary inputs from industry experts across the Boron Fertilizers value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

### Key Questions Addressed

What is the current and forecast market size of the Boron Fertilizers industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

### Your Key Takeaways from the Boron Fertilizers Market Report

Global Boron Fertilizers market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Boron Fertilizers trade, costs, and supply chains

Boron Fertilizers market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Boron Fertilizers market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Boron Fertilizers market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Boron Fertilizers supply chain analysis

Boron Fertilizers trade analysis, Boron Fertilizers market price analysis, and Boron Fertilizers supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Boron Fertilizers market news and developments

## Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

*\* The updated report will be delivered within 3 working days*

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