

# **North America Fertilizers Market By Origin (Organic, Synthetic, Bio-fertilizer), By Mode of Application (Foliar Spraying, Fertigation, Sowing, Broadcasting, Spraying, Drip Method, Others), By Form (Solid, Liquid), By Crop Type (Grains & Cereals, Pulses & Oilseeds, Commercial Crops, Fruits & Vegetables, Other), By Source (Domestic, Import), By Country, Competition, Forecast and Opportunities, 2020-2030F**

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## **Abstracts**

The North American Fertilizers Market was valued at USD 16.83 billion in 2024 and is projected to reach USD 23.69 billion by 2030, growing at a compound annual growth rate (CAGR) of 5.82% during the forecast period. This market is a critical segment of the region's agricultural industry, encompassing the United States and Canada, and plays a key role in ensuring food security and supporting sustainable agricultural practices across North America. Fertilizers, which contain essential nutrients such as nitrogen, phosphorus, and potassium, are crucial for improving crop yields and maintaining soil fertility.

In recent years, the North American fertilizers market has undergone substantial developments, driven by technological advancements, evolving agricultural practices, and heightened environmental awareness. Farmers are increasingly opting for organic and slow-release fertilizers to minimize the environmental impact of their agricultural practices, reflecting the growing demand for responsible and eco-friendly farming solutions. Another notable trend is the adoption of precision agriculture techniques. Technologies such as GPS-guided machinery and remote sensing are allowing for more efficient and precise fertilizer application, which not only reduces waste but also

optimizes nutrient use, leading to higher crop yields and cost savings.

## Key Market Drivers

### Rising Global Population and Food Demand

The demand for fertilizers in North America is significantly influenced by the increasing global population and the corresponding surge in food demand. As the world's population continues to rise rapidly, the pressure to produce more food to feed this expanding demographic becomes more critical. North America, with its vast agricultural resources, plays a pivotal role in meeting this demand. Fertilizers are indispensable tools for North American farmers, enabling them to enhance crop yields and agricultural productivity. This reliance on fertilizers is vital for securing food supply, not only for the domestic population but also for global markets.

Fertilizers provide essential nutrients such as nitrogen, phosphorus, and potassium, which are necessary for optimal plant growth, allowing crops to reach their full potential. Fertilizer use, combined with modern farming techniques and advanced agricultural technologies, enables farmers to maximize yield per acre and maintain a stable, abundant food supply.

In March 2023, Phospholutions Inc., a leader in sustainable fertilizer technology, introduced RhizoSorb, an innovative phosphate fertilizer that enhances phosphorus fertilizer efficiency. This new technology is now available for U.S. crop production, offering a more effective solution for modern agricultural needs.

The growing global population, coupled with rapid urbanization, increases the demand for North American agricultural products, including staple crops such as corn, wheat, and soybeans, as well as specialty crops like fruits and vegetables. Fertilizers help improve both the quantity and quality of these crops, while also shortening growth cycles, enabling multiple harvests per year, which further contributes to food production.

## Key Market Challenges

### Environmental Concerns and Regulatory Constraints

Environmental concerns and regulations pose significant challenges for the North American fertilizers market, impacting both manufacturers and farmers. As the agricultural industry faces increasing pressure to balance the growing demand for food

with sustainability, various issues have arisen. Overuse of fertilizers has led to nutrient runoff into water systems, causing pollution and contributing to harmful algal blooms. This, in turn, affects water quality and disrupts aquatic ecosystems, threatening biodiversity.

In response, environmental agencies have introduced stringent regulations designed to reduce fertilizer runoff and mitigate the associated environmental risks. These regulations often limit the use of certain fertilizers, particularly nitrogen and phosphorus, and require more precise application methods to minimize environmental impact. Compliance with these regulations necessitates changes to farming practices, which can be costly and may require new equipment and techniques.

Additionally, regulatory bodies are increasingly focused on the accuracy of fertilizer labeling and nutrient content reporting, placing an administrative burden on manufacturers. Some regions have implemented buffer zones and setbacks around water bodies where fertilizers cannot be applied, potentially limiting agricultural productivity and complicating farm management.

## Key Market Trends

### Government Support and Subsidies

Government support and subsidies are instrumental in driving the growth of the North American fertilizers market. Various government programs aim to enhance agricultural productivity, ensure food security, and support rural communities. These subsidies directly influence the demand for fertilizers by making them more affordable, especially for smaller farmers with limited resources. As a result, farmers are more likely to invest in fertilizers to improve crop yields and maintain consistent productivity.

Additionally, government-backed research and development initiatives are fostering innovation in fertilizer formulations and application methods, which enhance the efficiency and sustainability of fertilizer use. These initiatives help farmers access more effective and eco-friendly fertilizer products, in line with modern agricultural practices and regulatory requirements.

In March 2022, the U.S. Department of Agriculture (USDA) announced plans to support increased fertilizer production to address rising costs, exacerbated by global price increases, and to enhance market competition. The USDA introduced a new grant program, allocating \$250 million to promote innovative and sustainable domestic

fertilizer production, while also launching an inquiry to assess competition in the agricultural supply chain, including fertilizers.

### Key Market Players

CF Industries Holdings, Inc.

Yara North America, Inc.

The Mosaic Company

Koch Fertilizer, LLC

Keg River Chemical Corporation

Agrico Canada L.P.

PowerRich Fertilizer Inc.

The Archer-Daniels-Midland Company

Knox Fertilizer Company, Inc.

### Report Scope

This report segments the North American fertilizers market into the following categories, along with detailed industry trends:

By Origin: Organic, Synthetic, Bio-fertilizer

By Mode of Application: Foliar Spraying, Fertigation, Sowing, Broadcasting, Spraying, Drip Method, Others

By Form: Solid, Liquid

By Crop Type: Grains & Cereals, Pulses & Oilseeds, Commercial Crops, Fruits & Vegetables, Other

By Source: Domestic, Import

By Country: United States, Canada, Mexico

### Competitive Landscape & Company Profiles

This report provides a detailed analysis of the major companies operating in the North American fertilizers market, along with customizable options to tailor the findings to specific company needs,

### Company Information

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

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