

Balanced Crop Nutrition Boosts NPK Fertilizers Market Growth: Increasing at a CAGR of 4.3% by 2035

NPK fertilizers market experiences high demand due to strategic partnerships between many global players and agri-tech platforms.

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/EINPresswire.com/ -- [Nitrogen, phosphorus, and potassium \(NPK\)](#)

[fertilizers market](#) is projected to grow at a CAGR of 4.3% during the forecast period (2025-2035). As global agricultural production strengthens to meet the nutritional needs of a

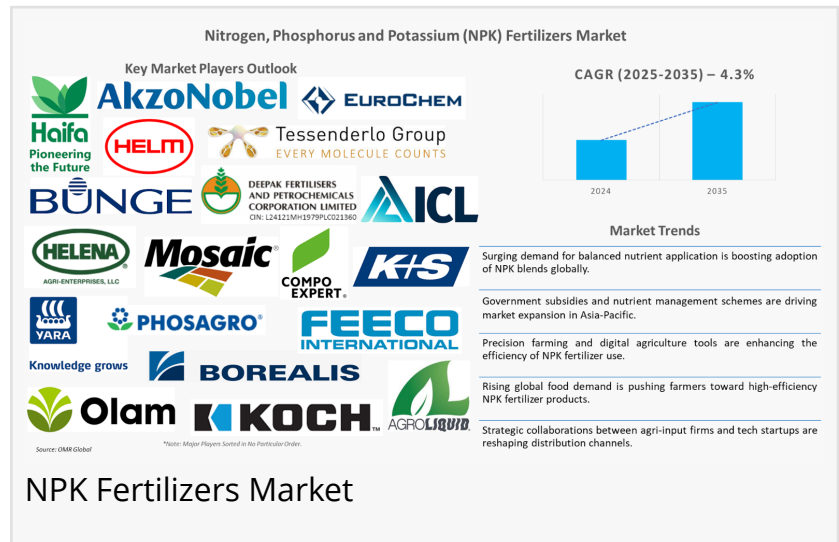
growing population, there is increasingly high demand for effective and well-balanced fertilizers such as nitrogen (N), phosphorus (P), and potassium (K). Both compound and blended NPK fertilizers contain the macronutrients that plants need for growth, development, and increased crop yield. Rising concern regarding soil nutrient deficiencies, the necessity of crop-specific fertilization, and technological improvements in precision agriculture technologies are transforming the landscape of fertilizer application. In developing economies, government assistance programs and subsidy schemes are further boosting the adoption of high-efficiency NPK fertilizers. Additionally, the increasing government support in several developing economies such as India, China, and Brazil are promoting different initiatives, including fertilizer subsidies, minimum support prices (MSPs), and nutrient-based subsidy schemes for the adoption of NPK fertilizers.

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Market Trends

Growing Sales in Large-Scale Farming Boosts the NPK Fertilizer Market



Growing sales in large-scale farming are anticipated to play a major role in powering the NPK fertilizer market. Fertilizers are applied in large-scale farming activities to optimize crop yields and ensure effective output across vast areas. NPK fertilizers are mainly useful as they offer high-performance, balanced nutrient solutions. For instance, in February 2025, Nutrien Ltd. reported a major surge in NPK fertilizer sales due to increasing demand from North American large-scale farms, highlighting the critical role played by these fertilizers in maintaining high productivity for large farming operations.

Regional Outlook

High Asia-Pacific Demand for Fertilizers Propels the NPK Fertilizer Market

Increased demand for fertilizers in the Asia-Pacific region is a key growth driver for the NPK fertilizer market. The demand is mainly fueled by the region's massive agricultural sector, increasing population, and heightened focus on growing crop yields to ensure food security. For instance, in February 2024, Mangalore Chemicals & Fertilizers (MCFL) and Paradeep Phosphates (PPL), Indian fertilizer producers merged to consolidate their operations, and rise their fertilizer production capacity, to become one of the India's largest integrated private sector fertilizer companies with a total manufacturing capacity of 3.6 Million Metric Tonnes Per Annum (MMTPA).

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Market Limitations and Challenges

- **Variability in Raw Material Cost:** As NPK fertilizers are produced from several raw materials, including natural gas, phosphate rock, and potash. If geopolitical stress, trade embargoes, supply chain impasses, or similar circumstances cause these inputs to fluctuate in price, it can lead to price instability in their end products. This instability can compound factors surrounding price unpredictability, while restricting producers from achieving and maintaining their profit margins, and inhibiting farmers' capacity to budget for NPK input expenses. Therefore, price stability is a major obstacle for the achievement of consistent growth and long-term investment in the market.
- **Environmental Regulation and Sustainability/Climate Leadership Pressures:** Global consciousness surrounding soil degradation, water pollution, and greenhouse gas emissions has created increasing demand for regulatory action surrounding sustainability. Governments and environmental agencies in established markets are limiting nitrogen and phosphorus fertilizer use so their use does not contribute to eutrophication and ecological detriment. Manufacturers must keep pace with these evolving standards, which may not only affect the products they can sell, however they can continue to operate these products in a sustainable manner, which adds operational expense to their undertaking and slows down the market from being able to grow in places where these regulations exist.

Market Players Outlook

The major companies operating in the global NPK fertilizers market include Akzo Nobel N.V., EuroChem Group, Israel Chemicals Ltd., The Mosaic Company, and Yara International ASA, among others. Market players are leveraging partnerships, collaborations, mergers, and acquisition strategies for business expansion and innovative product development to maintain their market positioning.

Recent Developments

- In December 2024, IFFCO received the government's approval to launch nano liquid urea and nano liquid DAP in the market. The company plans to sell this new nano NPK fertilizer for ₹950 for 5kg to boost crop yields and decrease the use of conventional fertilizers in India.
- In October 2024, Larsen & Toubro secured a contract for its hydrocarbon business to construct a 1,200 MTPD NPK fertilizer plant for Rashtriya Chemicals & Fertilizers (RCF) in Maharashtra, around 100 km from Mumbai, boosting domestic production capacity.

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Some of the Key Companies in the NPK Fertilizer Market include-

- AgroLiquid
- Akzo Nobel N.V.
- Borealis GmbH
- Bunge Global SA
- COMPO EXPERT GmbH
- Deepak Fertilisers and Petrochemicals Corporation Ltd. (DFPCL)
- EuroChem Group
- FEECO International, Inc.
- Haifa Negev technologies Ltd.
- Helena Agri-Enterprises, LLC
- HELM AG
- Israel Chemicals Ltd.
- K+S Aktiengesellschaft
- Koch IP Holdings, LLC
- Olam Group Ltd.
- PhosAgro Group of Co.
- Tessenderlo Group NV
- The Mosaic Co.
- Yara International ASA

NPK Fertilizer Market Segmentation Analysis

Global NPK Fertilizers Market by Type

- Phosphorus-based fertilizers
- Potassium-based fertilizers
- Nitrogen-based fertilizers
- Others (Micronutrient Fertilizers, and Organic Fertilizers)

Global NPK Fertilizers Market by Form

- Powder
- Liquid
- Others (Crystals, Prills, And Pellets)

Global NPK Fertilizers Market by Application

- Dairy Products
- Meat & Meat Products
- Bakery Products
- Beverages
- Other

Regional Analysis

- North America
 - o United States
 - o Canada
- Europe
 - o UK
 - o Germany
 - o Italy
 - o Spain
 - o France
 - o Rest of Europe
- Asia-Pacific
 - o China
 - o India
 - o Japan
 - o South Korea
 - o ASEAN Economies (Singapore, Thailand, Vietnam, Indonesia, and Other)
 - o Australia and New Zealand
 - o Rest of Asia-Pacific
- Rest of the World
 - o Latin America
 - o Middle East and Africa

Orion Market Research Pvt Ltd

+ +91 91798 28694

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