

Secondary Agricultural Nutrients Market Outlook 2025-2034: Market Share, and Growth Analysis By Nutrient Type (Sulphur, Calcium, Magnesium), By Crop Type (Cereals and Grains, Oilseeds and Pulses, Fruits and Vegetables, Turfs and Ornamentals, Other Crop Types), By Application Method

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Abstracts

The Secondary Agricultural Nutrients Market is valued at USD 41 billion in 2025 and is projected to grow at a CAGR of 4% to reach USD 58.2 billion by 2034. The Secondary Agricultural Nutrients market plays a vital role in modern crop production by supplementing essential minerals like calcium (Ca), magnesium (Mg), and sulfur (S), which support plant development, nutrient absorption, and soil health. Unlike primary nutrients such as nitrogen, phosphorus, and potassium, secondary nutrients are often underapplied, despite being crucial for improving crop yields, resistance to disease, and overall plant quality. Growing awareness among farmers and agronomists regarding soil nutrient balance and micronutrient deficiencies is propelling demand for targeted nutrient formulations. Additionally, the rise in intensive agriculture, soil degradation, and climate variability is amplifying the need for balanced nutrient management. Secondary nutrient applications are becoming integral to precision agriculture systems and integrated soil fertility strategies. Suppliers are offering various delivery formats such as granules, liquid fertilizers, and water-soluble blends to cater to region-specific needs. As global food demand increases and land use pressures intensify, the secondary agricultural nutrients market is positioned for sustained growth, backed by the push for sustainable farming and higher crop productivity. The secondary agricultural nutrients market witnessed a notable rise in adoption, especially in regions with intensive cropping systems and deteriorating soil health. Sulfur-based fertilizers gained prominence due to the declining atmospheric sulfur levels caused by reduced industrial

emissions and the increased requirement for oilseed and pulse crops. Magnesium applications expanded in horticulture and fruit farming, where quality parameters like fruit firmness and photosynthetic activity are critical. Calcium-based formulations saw high demand in acidic soils and for crops like tomatoes and potatoes, which are sensitive to calcium deficiencies. Manufacturers focused on introducing slow-release and bioavailable nutrient blends that enhance efficiency and reduce leaching. Digital agronomy tools helped farmers diagnose soil-specific deficiencies, increasing the precision of secondary nutrient application. Meanwhile, sustainability-focused brands promoted organic and mineral-based nutrient alternatives. Governments in Asia-Pacific and Latin America launched soil health initiatives that included subsidies and extension services, encouraging farmers to adopt balanced fertilization practices. These market dynamics reflect a shift toward science-backed soil enrichment practices to support resilient and profitable agriculture. The secondary agricultural nutrients market is expected to benefit from technological innovations, policy support, and rising demand for quality produce. Precision farming will play a larger role in nutrient application, with satellite imagery and IoT-enabled sensors allowing farmers to identify micronutrient stress in real time and act proactively. Integration of AI-powered decision-support systems will assist agronomists in crafting tailored nutrient plans. Biostimulants and microbial formulations that enhance the uptake of secondary nutrients will also gain traction, aligning with organic and regenerative farming trends. As food security becomes more critical, emerging economies will invest more in soil health programs and rural education to improve fertilization practices. In developed markets, consumer demand for residue-free and sustainably grown food will prompt growers to use secondary nutrients to improve nutritional density and crop quality. Companies will continue to innovate with environmentally friendly delivery systems, such as nanotechnology-based carriers and biodegradable coatings. These advances, combined with the broader agricultural shift toward sustainability and productivity, will help the secondary agricultural nutrients market expand its impact in both conventional and alternative farming systems.

Key Insights Secondary Agricultural Nutrients Market

Precision agriculture is driving targeted application of secondary nutrients through real-time soil monitoring and nutrient mapping, resulting in more efficient usage and yield optimization.

Slow-release and coated secondary nutrient products are gaining popularity for their ability to reduce nutrient loss, improve soil retention, and minimize environmental runoff.

Organic and sustainable farming trends are increasing demand for natural sources of calcium, magnesium, and sulfur, such as gypsum, dolomite, and compost-based inputs.

Digital agronomy platforms are enabling farmers to better assess nutrient deficiencies and track results, helping promote balanced and data-driven fertilization practices.

Rising awareness about soil biodiversity and the role of secondary nutrients in microbial activity is influencing farmers to adopt more holistic soil health strategies.

Depleting soil fertility due to intensive monocropping and overuse of primary fertilizers is pushing the need for balanced nutrient management, including secondary elements.

Growing demand for high-quality crops with improved texture, shelf life, and nutritional content is encouraging the adoption of calcium, magnesium, and sulfur-based supplements.

Government-backed soil health cards and incentive programs are driving farmer awareness and adoption of comprehensive nutrient plans, especially in developing nations.

Expansion of high-value crop cultivation, including fruits, vegetables, and oilseeds, is creating consistent demand for secondary nutrients vital for plant physiology and fruit development.

Lack of awareness among smallholder farmers about secondary nutrient deficiencies and their economic impact often results in underuse or misuse, hindering yield potential and long-term soil fertility.

Secondary Agricultural Nutrients Market Segmentation

By Nutrient Type

Sulphur

Calcium

Magnesium

By Crop Type

Cereals and Grains

Oilseeds and Pulses

Fruits and Vegetables

Turfs and Ornamentals

Other Crop Types

By Application Method

Solid

Liquid

Key Companies Analysed

Nutrien Ltd

Deepak Fertilizers and Petrochemicals Corporation Limited

Yara International ASA

Coromandel International Limited

Nufarm Limited

The Mosaic Company

Haifa Group

Israel Chemicals Ltd.

Saptec Agro S.A.

Impact Fertilizer Pty Ltd

Calcium Products Inc.

Koch Industries Inc.

Evergrow Solutions

Koch AG & Energy Solutions LLC

Agriculture Solutions Inc.

KS AG

IFFCO

SABIC

URALCHEM JSC

CF Industries Holdings Inc.

Wilbur-Ellis Company LLC

Aries Agro

Aditya Microdynamic

Acadian Seaplants Limited

Agrium Inc.

PotashCorp

Sinochem Group

Qatar Fertiliser Company (QAFCO)

Rubamin

SQM S.A.

Compass Minerals

Tessenderlo Group

Kugler Company

Brandt Consolidated

Verdesian Life Sciences

BioWorks Inc.

Fertiberia

Omex Agrifluids

Tradecorp International

Secondary Agricultural Nutrients 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.

Secondary Agricultural Nutrients 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 — Secondary Agricultural Nutrients market data and outlook to 2034

United States

Canada

Mexico

Europe — Secondary Agricultural Nutrients market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Secondary Agricultural Nutrients market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Secondary Agricultural Nutrients market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Secondary Agricultural Nutrients 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 Secondary Agricultural Nutrients 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 Secondary Agricultural Nutrients 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 Secondary Agricultural Nutrients Market Report

Global Secondary Agricultural Nutrients market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Secondary Agricultural Nutrients trade, costs, and supply chains

Secondary Agricultural Nutrients market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Secondary Agricultural Nutrients market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Secondary Agricultural Nutrients market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Secondary Agricultural Nutrients supply chain analysis

Secondary Agricultural Nutrients trade analysis, Secondary Agricultural Nutrients market price analysis, and Secondary Agricultural Nutrients supply/demand dynamics

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

Latest Secondary Agricultural Nutrients 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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