

# **AgroScience Market Size, Share, Trends, Analysis, and Forecast 2025-2034 | Global Industry Growth, Competitive Landscape, Opportunities, and Challenges**

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## **Abstracts**

Global AgroScience Market is valued at USD 214.7 billion in 2025. Further, the market is expected to grow at a CAGR of 5.6% to reach USD 351.4 billion by 2034.

The agroScience market covers a broad range of scientific innovations designed to improve agricultural productivity, sustainability, and environmental impact. It includes agricultural biotechnology, plant genetics, crop protection, soil science, and precision agriculture tools. AgroScience plays a crucial role in modern farming by providing the research and technologies needed to address challenges such as climate change, water scarcity, and soil degradation. The market is growing as agricultural practices evolve to meet the rising global demand for food, fiber, and biofuels. With an increasing focus on sustainability, agroScience is driving the development of new crop varieties, efficient farming techniques, and innovative pest control solutions.

In 2024, the agroScience market is seeing continued advancements in agricultural biotechnology and molecular genetics. Gene editing tools like CRISPR are being used to develop crops that are more resilient to pests, diseases, and environmental stresses. The use of AI and machine learning in crop research is also accelerating the discovery of new agricultural solutions by analyzing vast amounts of genomic data. Moreover, the integration of precision agriculture technologies is enabling farmers to use data to optimize planting, irrigation, fertilization, and pest management. The growing adoption of sustainable farming practices, such as regenerative agriculture, is driving the demand for agroScience products and solutions that minimize environmental impact and maximize resource efficiency.

Looking to 2025 and beyond, the agroScience market will continue to benefit from breakthroughs in agricultural biotechnology, including the development of crops with improved nutritional content and disease resistance. New tools for soil health management, such as soil sensors and microbiome-based products, will enable more efficient use of resources while promoting soil regeneration. As the demand for sustainable and climate-resilient farming grows, agroScience will be essential in helping farmers meet these challenges. The market will also see increased investment in digital agriculture, where data-driven insights from sensors, drones, and satellite technology will empower farmers to make smarter, more sustainable decisions about crop management.

### Key Market Trends

**Advancements in Agricultural Biotechnology:** CRISPR and other gene-editing tools are revolutionizing crop breeding, improving resistance to pests and environmental stress.

**Integration of AI in Agricultural Research:** AI is enabling faster, data-driven innovations in crop management and pest control.

**Focus on Sustainable Farming Practices:** AgroScience is helping farmers adopt more sustainable techniques that reduce environmental impact while improving productivity.

**Growth of Regenerative Agriculture:** The rise of regenerative farming practices is driving demand for solutions that restore soil health and improve biodiversity.

**Expansion of Precision Agriculture Tools:** Precision farming technologies, including IoT and sensors, are helping farmers optimize inputs like water, fertilizer, and pesticides.

### Key Market Drivers

**Global Demand for Food and Sustainability:** The need for sustainable agricultural practices to meet global food demands is a key driver for the agroScience market.

**Technological Advancements in Crop Research:** The rapid pace of technological advancements in biotechnology, AI, and data analytics is transforming agroScience research.

**Government Support for Agricultural Innovation:** Policies that promote sustainable

farming and innovation in agriculture are boosting the market for agroScience solutions.

**Environmental Challenges and Climate Change:** Climate change and environmental degradation are driving the demand for resilient crops and sustainable farming techniques.

### Key Market Challenge

**Regulatory Hurdles and Public Perception of GMOs:** Regulatory challenges and public concerns about genetically modified organisms (GMOs) continue to pose barriers to the widespread adoption of some agroScience solutions.

### Market Segmentation

#### By Product

Biopesticides

Biostimulants

GM Seeds

#### By Active Ingredient

Acid-based biostimulants

Extract-based biostimulants

#### By Application

Crops

Food & Vegetable

#### By Geography

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Spain, Italy, Rest of Europe)

Asia-Pacific (China, India, Japan, Australia, Vietnam, Rest of APAC)

The Middle East and Africa (Middle East, Africa)

South and Central America (Brazil, Argentina, Rest of SCA)

What You Receive

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

Impact of recent changes in geopolitical, economic, and trade policies on the demand and supply chain of AgroScience.

AgroScience market size, share, and outlook across 5 regions and 27 countries, 2025- 2034.

AgroScience market size, CAGR, and Market Share of key products, applications, and end-user verticals, 2025- 2034.

Short and long-term AgroScience market trends, drivers, restraints, and opportunities.

Porter's Five Forces analysis, Technological developments in the AgroScience market, AgroScience supply chain analysis.

AgroScience trade analysis, AgroScience market price analysis, AgroScience Value Chain Analysis.

Profiles of 5 leading companies in the industry- overview, key strategies, financials, and products.

Latest AgroScience market news and developments.

The AgroScience Market international scenario is well established in the report with separate chapters on North America AgroScience Market, Europe AgroScience Market, Asia-Pacific AgroScience Market, Middle East and Africa AgroScience Market, and South and Central America AgroScience Markets. These sections further fragment the

regional AgroScience market by type, application, end-user, and country.

Who can benefit from this research

The research would help top management/strategy formulators/business/product development/sales managers and investors in this market in the following ways

1. The report provides 2024 AgroScience market sales data at the global, regional, and key country levels with a detailed outlook to 2034, allowing companies to calculate their market share and analyze prospects, uncover new markets, and plan market entry strategy.
2. The research includes the AgroScience market split into different types and applications. This segmentation helps managers plan their products and budgets based on the future growth rates of each segment
3. The AgroScience market study helps stakeholders understand the breadth and stance of the market giving them information on key drivers, restraints, challenges, and growth opportunities of the market and mitigating risks
4. This report would help top management understand competition better with a detailed SWOT analysis and key strategies of their competitors, and plan their position in the business
5. The study assists investors in analyzing AgroScience business prospects by region, key countries, and top companies' information to channel their investments.

Available Customizations

The standard syndicate report is designed to serve the common interests of AgroScience Market players across the value chain and include selective data and analysis from entire research findings as per the scope and price of the publication.

However, to precisely match the specific research requirements of individual clients, we offer several customization options to include the data and analysis of interest in the final deliverable.

Some of the customization requests are as mentioned below –

Segmentation of choice – Our clients can seek customization to modify/add a market division for types/applications/end-uses/processes of their choice.

AgroScience Pricing and Margins Across the Supply Chain, AgroScience Price Analysis / International Trade Data / Import-Export Analysis

Supply Chain Analysis, Supply–Demand Gap Analysis, PESTLE Analysis, Macro-Economic Analysis, and other AgroScience market analytics

Processing and manufacturing requirements, Patent Analysis, Technology Trends, and Product Innovations

Further, the client can seek customization to break down geographies as per their requirements for specific countries/country groups such as South East Asia, Central Asia, Emerging and Developing Asia, Western Europe, Eastern Europe, Benelux, Emerging and Developing Europe, Nordic countries, North Africa, Sub-Saharan Africa, Caribbean, The Middle East and North Africa (MENA), Gulf Cooperation Council (GCC) or any other.

Capital Requirements, Income Projections, Profit Forecasts, and other parameters to prepare a detailed project report to present to Banks/Investment Agencies.

Customization of up to 10% of the content can be done without any additional charges.

Note: Latest developments will be updated in the report and delivered within 2 to 3 working days.

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