+357 96 030922
info@marketpublishers.com

Agricultural Chemicals Market Forecasts to 2032 – Global Analysis By Product Type (Fertilizers, Pesticides and Other Product Types), Origin (Synthetic Chemicals and Bio-based Chemicals), Crop Type, Formulation, Application, End User and By Geography

https://marketpublishers.com/r/A2D14C3F116FEN.html
Date: September 2025
Pages: 200
Price: US$ 4,150.00 (Single User License)
ID: A2D14C3F116FEN

Abstracts

According to Stratistics MRC, the Global Agricultural Chemicals Market is accounted for $307.27 billion in 2025 and is expected to reach $474.36 billion by 2032 growing at a CAGR of 6.4% during the forecast period. Agricultural chemicals are essential for modern agriculture, as they improve crop yields, protect plants, and contribute to global food security. This category includes fertilizers, pesticides, insecticides, herbicides, and fungicides, each serving a unique function in promoting healthy cultivation and reducing threats from pests, weeds, or diseases. Fertilizers boost soil nutrient content, while crop protections chemicals help prevent significant agricultural losses. Rising population growth and the demand for sustainable food production have increased reliance on these solutions. Additionally, innovations in bio-based and environmentally friendly agricultural chemicals are gaining importance, ensuring efficiency and safety while addressing concerns over ecological impact and long-term agricultural sustainability.

According to the Fertilizer Association of India (FAI), shows that India consumed over 62 million metric tons of fertilizers in FY 2023–24, with urea, DAP, and complex fertilizers forming the bulk. The report highlights that balanced fertilization and micronutrient use are critical for sustainable agricultural productivity.

Market Dynamics:

+357 96 030922
info@marketpublishers.com

Driver:

Rising global food demand

One of the major forces propelling the agricultural chemicals market is the increasing need for food globally, influenced by rapid population expansion and evolving dietary preferences. Farmers are compelled to produce more with fewer resources, and agricultural chemicals serve as indispensable tools in achieving this. Fertilizers enrich the soil with vital nutrients, while pesticides and herbicides safeguard crops against destructive insects, weeds, and diseases. Given the scarcity of cultivable land, optimizing productivity has become a necessity rather than an option. This mounting demand for reliable food sources across nations firmly positions rising food demand as a crucial factor driving the agricultural chemicals market.

Restraint:

High costs of sustainable alternatives

The adoption of bio-based and environmentally safe agricultural chemicals is often limited by their relatively high prices. Manufacturing these sustainable alternatives requires intensive research, advanced production methods, and premium raw materials, making them significantly costlier than conventional solutions. For small and medium farmers, especially in emerging economies, affordability becomes a critical barrier, leading them to continue using cheaper synthetic chemicals. Although demand for eco-friendly practices is increasing, the high costs slow down widespread acceptance. Until these products become more economically viable, the agricultural chemicals market will face restrictions in transitioning toward sustainable options, delaying broader market penetration and long-term growth.

Opportunity:

Technological integration in agriculture

The agricultural chemicals market is witnessing promising opportunities through the adoption of advanced technologies in farming. Precision agriculture, drone applications, and smart monitoring tools enable farmers to use fertilizers, pesticides, and herbicides more accurately, improving efficiency while cutting down excess usage. Innovative products like nano-based fertilizers and slow-release pesticides further enhance crop performance and support eco-friendly farming. Digital tools also generate valuable

+357 96 030922
info@marketpublishers.com

insights for better resource management and timely application. This blend of chemical innovation and digital agriculture supports higher yields and sustainability goals. With the rapid global adoption of smart farming methods, demand for technology-driven agricultural chemicals is set to increase.

Threat:

Climate change and unpredictable weather

A major threat facing the agricultural chemicals market is the impact of climate change and erratic weather conditions. Irregular rainfall, rising temperatures, and frequent extreme events such as floods and droughts disrupt normal farming practices and crop cycles. These unpredictable changes reduce the efficiency of fertilizers and pesticides, making outcomes less reliable for farmers. The uncertainty also complicates market forecasting and supply planning for chemical producers. Over the long term, climate shifts could push agriculture toward more adaptive, resilient methods, reducing reliance on conventional chemicals. This unpredictability poses a considerable threat to the stability and consistent growth of the agricultural chemicals industry.

Covid-19 Impact:

The Covid-19 outbreak created both challenges and opportunities for the agricultural chemicals market. Global lockdowns disrupted manufacturing, logistics, and trade, causing delays in the supply of fertilizers, pesticides, and crop protection products. Many farmers struggled with timely access to these inputs, resulting in setbacks to cultivation and yields. Despite these disruptions, agriculture retained its critical status as an essential industry, ensuring continued demand for chemicals to support food security. The crisis also encouraged adoption of digital platforms, remote supply management, and innovative distribution networks. These changes underscored the importance of resilience and sustainability, paving the way for future growth in the market.

The synthetic chemicals segment is expected to be the largest during the forecast period

The synthetic chemicals segment is expected to account for the largest market share during the forecast period, driven by their affordability and effectiveness. Products such as fertilizers, herbicides, pesticides, and fungicides are widely used by farmers to boost crop productivity and safeguard fields from weeds, pests, and plant diseases. Their fast-

+357 96 030922
info@marketpublishers.com

acting nature, consistent performance, and broad accessibility make them the primary option for large-scale farming, particularly in cost-sensitive economies. Despite the rising push for eco-friendly alternatives, synthetic solutions remain crucial due to their efficiency in meeting immediate agricultural needs. As a result, they retain market leadership by ensuring food security and supporting intensive farming practices.

The fruits and vegetables segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the fruits and vegetables segment is predicted to witness the highest growth rate. The surge in global consumption of fresh produce, supported by changing food preferences and a shift toward healthier diets, has increased demand for chemical inputs. As these crops are more prone to insect attacks, fungal infections, and spoilage, farmers depend heavily on fertilizers, fungicides, and pesticides to maintain yield and quality. Moreover, rising international trade of fruits and vegetables has intensified the adoption of crop protection practices that comply with export regulations. These factors collectively drive rapid growth within this segment.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share due to its vast agricultural activities and growing food demand. With nations like India, China, and Japan leading consumption, fertilizers, herbicides, and pesticides are extensively used to improve productivity and protect crops. A large portion of the population relies on agriculture for income, making chemical inputs crucial to sustaining livelihoods and ensuring food security. Government-backed initiatives, supportive policies, and increasing adoption of advanced farming techniques further encourage usage. Alongside rising urbanization and evolving diets, this steady demand secures Asia-Pacific’s position as the primary regional market for agricultural chemicals worldwide.

Region with highest CAGR:

Over the forecast period, the South America region is anticipated to exhibit the highest CAGR, supported by its robust farming sector and rising global trade. Brazil and Argentina dominate regional agriculture, producing massive volumes of soybeans, maize, and sugarcane, which creates strong demand for fertilizers and pesticides. Large-scale farming practices, coupled with technological adoption, have further boosted chemical usage. Expanding food exports and favorable trade agreements also stimulate

+357 96 030922
info@marketpublishers.com

market growth. Moreover, government policies encouraging sustainable farming and private sector investments add momentum. With its increasing reliance on crop protection products, Latin America stands out as the fastest-growing region in this industry.

Key players in the market

Some of the key players in Agricultural Chemicals Market include Bayer CropScience AG, Syngenta Crop Protection AG, BASF SE, UPL Limited, Corteva Agriscience, FMC Corporation, Sumitomo Chemical Co., Ltd., ADAMA Ltd., Nufarm Limited, Mosaic Company, Nutrien Ltd., Yara International ASA, Israel Chemicals Ltd. (ICL), Helm AG and Albaugh LLC.

Key Developments:

In July 2025, UPL Limited announced a strategic overseas acquisition to deepen its footprint in the seed business by acquiring a 100% stake in Wuhan Advanta Seeds Company Limited through its step-down subsidiary, Advanta Seeds International Mauritius. The acquisition, which does not constitute a related party transaction, involves a nominal investment of USD 4,200.

In March 2025, Syngenta Crop Protection has entered into a distribution agreement with Agrauxine by Lesaffre, granting Syngenta exclusive rights to private label and distribute two of Agrauxine’s proprietary biological products—STROVEQ® and SPREXIMA®—in the U.S. ornamental crop market. The agreement will run for an initial term of five years.

In September 2024, Bayer and Purdue University announced the creation of the Coalition for Sustainable and Regenerative Agriculture, a public-private partnership designed to help improve the soil health of farmland while also increasing food production for a growing population. The coalition’s mission is to generate robust, real-world data in support of regenerative agriculture practices to help farmers restore soil health and biomass, increase biodiversity, and improve the resiliency of ecosystems over time.

Product Types Covered:

Fertilizers

Pesticides

+357 96 030922
info@marketpublishers.com

Other Product Types

Origins Covered:

Synthetic Chemicals

Bio-based Chemicals

Crop Types Covered:

Grains & Cereals

Pulses & Oilseeds

Fruits & Vegetables

Commercial Crops

Formulations Covered:

Liquid

Granular

Powder

Applications Covered:

Foliar Spray

Soil Treatment

Seed Treatment

+357 96 030922
info@marketpublishers.com

- Fertigation

End Users Covered:

- Large-scale Commercial Farms
- Smallholder Farmers
- Agri-cooperatives
- Government Procurement Programs

Regions Covered:

- North America
  - US
  - Canada
  - Mexico
- Europe
  - Germany
  - UK
  - Italy
  - France
  - Spain
  - Rest of Europe
- Asia Pacific

+357 96 030922
info@marketpublishers.com

- Japan
- China
- India
- Australia
- New Zealand
- South Korea
- Rest of Asia Pacific

South America

- Argentina
- Brazil
- Chile
- Rest of South America

Middle East & Africa

- Saudi Arabia
- UAE
- Qatar
- South Africa
- Rest of Middle East & Africa

What our report offers:

+357 96 030922
info@marketpublishers.com

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

5 GLOBAL AGRICULTURAL CHEMICALS MARKET, BY PRODUCT TYPE

6 GLOBAL AGRICULTURAL CHEMICALS MARKET, BY ORIGIN

7 GLOBAL AGRICULTURAL CHEMICALS MARKET, BY CROP TYPE

8 GLOBAL AGRICULTURAL CHEMICALS MARKET, BY FORMULATION

+357 96 030922
info@marketpublishers.com

9 GLOBAL AGRICULTURAL CHEMICALS MARKET, BY APPLICATION

10 GLOBAL AGRICULTURAL CHEMICALS MARKET, BY END USER

11 GLOBAL AGRICULTURAL CHEMICALS MARKET, BY GEOGRAPHY

+357 96 030922
info@marketpublishers.com

12 KEY DEVELOPMENTS

13 COMPANY PROFILING

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Agricultural Chemicals Market Forecasts to 2032 – Global Analysis By Product Type (Fertilizers, Pesticides and Other Product Types), Origin (Synthetic Chemicals and Bio-based Chemicals), Crop Type, Formulation, Application, End User and By Geography

Product link: https://marketpublishers.com/r/A2D14C3F116FEN.html

Price: US$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/A2D14C3F116FEN.html