

# **Agrochemicals Market Forecasts to 2032 - Global Analysis By Type (Pesticides, Fertilizers, Plant Growth Regulators, Seed Treatment Chemicals, and Other Agrochemicals), Formulation, Crop Type, Technology, Mode of Application and By Geography**

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## **Abstracts**

According to Statistics MRC, the Global Agrochemicals Market is accounted for \$313.07 billion in 2025 and is expected to reach \$516.03 billion by 2032 growing at a CAGR of 7.4% during the forecast period. Agrochemicals refer to chemicals applied in farming to boost crop growth, protect against pests and diseases, and enhance soil productivity. This category encompasses fertilizers, herbicides, insecticides, fungicides, and plant growth promoters, all aimed at improving agricultural efficiency. By managing weeds, insects, and pathogens, agrochemicals support healthy crops and higher harvests. They are essential in contemporary agriculture, helping ensure food availability, streamline farming practices, and maintain sustainability by minimizing crop losses and creating favorable conditions for plant development.

### **Market Dynamics:**

Driver:

Rising pest and disease incidence

Climate change, erratic weather patterns, and monocropping practices are creating favorable conditions for the rapid spread of insects, weeds, and plant pathogens. Farmers are increasingly relying on chemical crop protection solutions to safeguard yields and ensure food security. The expansion of high-value crops such as fruits, vegetables, and commercial grains further intensifies the need for effective pest control.

Advances in formulation technologies are improving the efficacy and targeted action of modern agrochemicals. As global agricultural output must keep pace with population growth, crop loss prevention has become a critical priority. This growing dependency on pest and disease management solutions continues to propel market expansion.

#### Restraint:

##### Health and environmental concerns

Prolonged exposure to certain chemical formulations has been linked to soil degradation, water contamination, and biodiversity loss. Regulatory authorities are tightening usage guidelines to minimize harmful residues in food products. Public awareness regarding sustainable farming and organic produce is influencing farmer behavior and consumer preferences. Compliance with stricter safety standards increases development costs and limits product approvals. Small-scale farmers often face challenges adapting to restricted application norms and alternative solutions. These factors collectively slow the adoption of conventional agrochemicals in several regions.

#### Opportunity:

##### Expansion of bio-agrochemicals

Biological solutions such as biopesticides, biofertilizers, and biostimulants are gaining traction due to their lower environmental impact. Governments and agricultural institutions are promoting eco-friendly crop protection practices through subsidies and awareness programs. Advances in microbial technology and fermentation processes are improving product stability and performance. Farmers are increasingly adopting integrated pest management systems that combine biological and chemical inputs. Rising demand for residue-free crops in export markets is accelerating bio-agrochemical adoption. This shift toward greener solutions is opening new growth avenues for market players.

#### Threat:

##### Supply chain & geopolitical volatility

Dependence on imported raw materials and intermediates exposes manufacturers to

price fluctuations and availability risks. Trade restrictions, sanctions, and regional conflicts can delay shipments and increase production costs. Energy price volatility further impacts fertilizer manufacturing and distribution economics. Logistical challenges such as port congestion and transportation bottlenecks affect timely product delivery. Companies are attempting to mitigate risks through localized production and diversified sourcing strategies. However, persistent uncertainty continues to pose challenges to consistent market growth.

### **Covid-19 Impact:**

The COVID-19 pandemic disrupted agrochemical production, distribution, and consumption patterns across the globe. Lockdowns and labor shortages affected manufacturing operations and delayed raw material procurement. Restrictions on transportation created supply gaps during critical agricultural seasons. However, agriculture being an essential sector ensured quicker recovery compared to other industries. The pandemic highlighted the importance of domestic production and supply chain resilience. Digital platforms for farmer advisory and input procurement gained prominence during this period. Post-pandemic strategies now emphasize automation, inventory optimization, and regional manufacturing hubs.

The fertilizers segment is expected to be the largest during the forecast period

The fertilizers segment is expected to account for the largest market share during the forecast period, due to its essential role in crop nutrition. Rising global food demand is compelling farmers to maximize yields through balanced fertilization practices. Nitrogen, phosphorus, and potassium fertilizers remain critical for improving soil fertility and crop productivity. Increased adoption of high-yield crop varieties further drives fertilizer consumption. Technological advancements such as controlled-release and specialty fertilizers are enhancing nutrient efficiency. Government support programs and subsidies continue to encourage fertilizer usage in developing economies.

The seed treatment segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the seed treatment segment is predicted to witness the highest growth rate. Seed treatment provides early-stage protection against soil-borne pests, diseases, and fungi. This approach reduces the need for repeated field applications and lowers overall chemical usage. Farmers are increasingly recognizing the cost-effectiveness and yield benefits of treated seeds. Advances in formulation

chemistry are improving seed compatibility and germination performance. Growing adoption of precision farming techniques is further supporting segment growth.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share, due to the region hosts a vast agricultural base with high dependency on crop protection and soil enhancement products. Countries such as China and India are major consumers due to intensive farming practices. Rising population levels are increasing pressure on food production systems. Government initiatives aimed at improving farm productivity support agrochemical adoption. Expanding cultivation of cash crops and cereals further boosts demand.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR. The region benefits from advanced agricultural practices and high adoption of precision farming technologies. Farmers are increasingly investing in specialty fertilizers and targeted crop protection solutions. Strong R&D capabilities support innovation in bio-based and low-toxicity agrochemicals. Regulatory frameworks are encouraging sustainable input usage while supporting product innovation. Digital agriculture tools are improving application efficiency and crop monitoring.

Key players in the market

Some of the key players in Agrochemicals Market include Bayer AG, PI Industries, Syngenta AG, Nissan Chem, BASF SE, Isagro S.p.A., Corteva Inc., ICL Group, UPL Limited, Yara Intern, FMC Corpo, Nutrien Lt, Sumitomo C, ADAMA AG, and Nufarm Li.

### **Key Developments:**

In October 2025, Syngenta and SALIC Signs agreement to Explore Joint Agriculture Projects that Enhance Food Security in Saudi Arabia and Around the World. This collaboration with Syngenta reflects SALIC's commitment to innovation, sustainability, and global partnerships. Together, we aim to help transform agriculture by integrating technology, knowledge, and responsible practices empowering farmers, conserving resources, and building resilient food systems that strengthen Saudi Arabia's food security and support future generations worldwide.

In August 2025, The Chemours Company, DuPont de Nemours, Inc., and Corteva, Inc. announced a settlement to comprehensively resolve all pending environmental and other claims by the State of New Jersey against the Companies in various litigation matters and other state directives. The Settlement will resolve all legacy contamination claims related to the companies' current and former operating sites (Chambers Works, Parlin, Pompton Lakes and Repauno) and claims of statewide PFAS contamination unrelated to those sites, including from the use of aqueous film forming foam.

#### Types Covered:

Pesticides

Fertilizers

Plant Growth Regulators

Seed Treatment Chemicals

Other Agrochemicals

#### Formulations Covered:

Liquid

Dry

#### Crop Types Covered:

Cereals & Grains

Oilseeds & Pulses

Fruits & Vegetables

Cash Crops

Other Crop Types

### Technologies Covered:

Conventional Agrochemicals

Advanced & Smart Formulations

Bio-based Agrochemicals

### Applications Covered:

Foliar Spray

Soil Application

Seed Treatment

Other Modes of Applications

### Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

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:**

- 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

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