

Glyphosate Market Forecasts to 2034 – Global Analysis By Crop Type (Cereals & Grains, Oilseeds & Pulses, Fruits & Vegetables and Other Crop Types), Formulation, Distribution Channel, Application and By Geography

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Abstracts

According to Statistics MRC, the Global Glyphosate Market is accounted for \$9.6 billion in 2026 and is expected to reach \$12.6 billion by 2034 growing at a CAGR of 3.4% during the forecast period. Glyphosate is a commonly utilized broad-spectrum herbicide employed across farming, forestry, and urban areas to eliminate unwanted vegetation, including grasses and weeds. It functions by blocking a crucial enzyme necessary for plant growth, which disrupts protein formation and causes plants to die. Its popularity stems from its efficiency, affordability, and suitability for use with genetically engineered crops designed to resist it. Despite its advantages, widespread application has led to concerns about environmental impact and human health, such as soil and water pollution and possible cancer risks. Authorities worldwide are continually reviewing its safety to ensure sustainable and responsible usage.

According to FAO (2025 release), total pesticide use in agriculture in 2023 was 3.73 million tonnes of active ingredients, a 14% increase over the past decade and double the level recorded in 1990.

Market Dynamics:

Driver:

Adoption of genetically modified crops

The growing use of genetically engineered crops that tolerate glyphosate has been a major factor boosting its market demand. These crops enable farmers to spray herbicides without harming their plants, making weed control more convenient and less labor-intensive. This feature improves farming efficiency and supports large-scale agricultural operations, especially for crops like corn, soybean, and cotton. As biotechnology becomes more widely accepted in agriculture, reliance on glyphosate continues to increase. Expanding approvals for GM crops across various regions are further driving demand, positioning glyphosate as a key tool in modern farming practices aimed at enhancing productivity and reducing costs.

Restraint:

Health and environmental concerns

Rising worries about the effects of glyphosate on human health and the environment are limiting its market expansion. Ongoing discussions about its potential cancer risks and ecological damage have heightened public concern and reduced trust. Problems such as pollution of water sources, soil quality deterioration, and harm to ecosystems add to its negative image. Environmental advocates are actively promoting restrictions or alternatives, influencing both regulations and consumer behavior. As awareness spreads, these concerns are discouraging widespread use. Consequently, health and environmental issues continue to act as significant barriers to the sustained growth of the glyphosate market worldwide.

Opportunity:

Integration with precision agriculture technologies

Combining glyphosate use with precision farming technologies creates new growth possibilities by enhancing application efficiency. Tools such as drones, GPS-based equipment, and data-driven systems allow farmers to apply herbicides accurately, reducing excess use and environmental harm. This targeted approach improves weed control while lowering costs and resource wastage. It also supports sustainable farming practices by ensuring minimal chemical exposure. As digital agriculture becomes more widespread, the demand for herbicides that fit these systems is increasing. This integration helps maintain glyphosate's importance in advanced farming while improving productivity and environmental responsibility.

Threat:

Rising legal liabilities and litigation risks

An increasing number of legal cases against glyphosate producers is posing a serious threat to the market. Many lawsuits focus on potential health concerns, including cancer allegations, leading to large financial payouts and harming company reputations. Continuous legal battles create uncertainty among investors and reduce confidence in the industry. Businesses are required to spend heavily on legal processes and settlements, which affects their financial stability. Media coverage of these cases also shapes public opinion and may influence policy decisions. As litigation persists, it remains a significant risk to the future growth and sustainability of the glyphosate sector.

Covid-19 Impact:

The COVID-19 outbreak created both challenges and stability in the glyphosate market by interrupting supply chains but maintaining agricultural demand. Restrictions on movement and logistics hindered the availability of raw materials and delayed product distribution, leading to short-term supply issues. Despite this, farming activities continued as essential services, ensuring ongoing demand for herbicides like glyphosate. Labor shortages encouraged farmers to depend more on chemical weed control to sustain crop yields. Changes in international trade and rising input costs also affected market pricing. In summary, although supply disruptions occurred, consistent demand from agriculture supported the market's overall stability.

The cereals & grains segment is expected to be the largest during the forecast period

The cereals & grains segment is expected to account for the largest market share during the forecast period because of its large-scale production and strong need for effective weed control solutions. Major crops like rice, wheat, and maize require consistent weed management to achieve high yields and maintain quality. Glyphosate is commonly applied before planting and after harvesting to eliminate unwanted vegetation. Its ability to control a wide variety of weeds at a low cost makes it highly suitable for these crops. The steady global demand for staple foods continues to drive the importance of this segment, reinforcing its leading position in the overall glyphosate market.

The residential & non-crop use segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the residential & non-crop use segment is predicted to witness the highest growth rate, driven by rapid urban expansion and increased focus on maintaining vegetation in non-farming areas. Usage in home gardens, lawns, public spaces, transport routes, and industrial zones is rising steadily. Both individuals and local authorities prefer glyphosate for its convenience and effectiveness in weed control. Growing infrastructure projects and landscaping requirements are further boosting its adoption. Additionally, the demand for affordable and dependable herbicide options in non-agricultural settings is contributing to the strong growth of this segment.

Region with largest share:

During the forecast period, the Asia-Pacific region is expected to hold the largest market share, owing to its vast agricultural sector, large population, and high demand for improved crop productivity. Major countries like China and India significantly contribute to market growth as farmers shift toward advanced farming techniques for better weed control and higher yields. Favorable farming conditions and widespread cultivation of staple and cash crops support herbicide usage. Growing awareness of modern weed management practices, along with government initiatives promoting agricultural efficiency, further boosts demand. Additionally, increasing adoption of cost-effective herbicides continues to reinforce the region's leading position in the global glyphosate market.

Region with highest CAGR:

Over the forecast period, the Asia-Pacific region is anticipated to exhibit the highest CAGR, driven by increasing agricultural development and rising demand for higher crop yields. Emerging economies such as China, India, and other Southeast Asian countries are increasingly adopting modern farming techniques to control weeds effectively and enhance productivity. Supportive government policies promoting mechanized and efficient agriculture are boosting herbicide consumption. The expansion of staple and commercial crop cultivation further supports demand growth. Rising awareness among farmers about efficient weed management and improved availability of agrochemicals are key factors contributing to the region's strong growth momentum.

Key players in the market

Some of the key players in Glyphosate Market include Bayer AG, Syngenta Group, BASF SE, Corteva Agriscience, UPL Limited, Nufarm Limited, ADAMA Agricultural Solutions Ltd., FMC Corporation, Albaugh, LLC, Zhejiang Xinan Chemical Industrial

Group Co., Ltd., Nantong Jiangshan Agrochemical & Chemicals Co., Ltd., Jiangsu Yangnong Chemical Co., Ltd., Jiangsu Good Harvest-Weien Agrochemical Co., Ltd., Hubei Xingfa Chemicals Group, Rainbow Agro, Zhejiang Jinfanda Biochemical Co., Ltd., Tongda Agro-Chemical and Helm AG.

Key Developments:

In April 2026, BASF and Nutrien Ltd.® announced today a strategic collaboration designed to help farmers gain more value from sustainable farming practices already in use. Under this collaboration, Nutrien agronomists will work directly with growers to optimize yield potential using practical, on-farm sustainability practices. BASF digital tools – xarvio® FIELD MANAGER and xarvio BIOENERGY – will help connect growers with biorefineries and document the carbon intensity (CI) of their crops.

In January 2026, Syngenta and SAP are joining forces with the aim of driving the adoption of Artificial Intelligence to transform the agricultural sector. To this end, the agricultural chemicals firm, which is headquartered in Basel, and the software developer from Walldorf in the German state of Hesse have agreed a multiyear partnership.

In December 2025, Corteva and Hexagon Bio announced a multi-million-dollar joint venture (JV) to accelerate the development of new crop protection solutions inspired by nature. The partnership brings together Corteva's billion-dollar nature-inspired crop protection franchises and bacterial natural product discovery capabilities with Hexagon Bio's natural-product discovery platform to advance the companies' respective pipelines across agriculture and human health.

Crop Types Covered:

Cereals & Grains

Oilseeds & Pulses

Fruits & Vegetables

Other Crop Types

Formulations Covered:

Liquid Glyphosate

Dry Glyphosate

Distribution Channels Covered:

Direct Sales

Distributors & Dealers

Online Retail

Applications Covered:

Agriculture

Forestry

Industrial Use

Residential & Non-Crop Use

Regions Covered:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Italy

Spain

Netherlands

Belgium

Sweden

Switzerland

Poland

Rest of Europe

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Thailand

Malaysia

Singapore

Vietnam

Rest of Asia Pacific

South America

Brazil

Argentina

Colombia

Chile

Peru

Rest of South America

Rest of the World (RoW)

Middle East

Saudi Arabia

United Arab Emirates

Qatar

Israel

Rest of Middle East

Africa

South Africa

Egypt

Morocco

Rest of 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 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034

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)

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