

Diquat Technical Global Market Insights 2025, Analysis and Forecast to 2030, by Manufacturers, Regions, Technology, Application

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Abstracts

Diquat Technical Market Overview

The Diquat Technical market is projected to experience significant growth from 2025 to 2030, driven by increasing demand for herbicides in agriculture. Diquat, a non-selective herbicide, is widely used for desiccation and weed control in crops such as grains, cotton, fruits, and vegetables. The market is expected to grow at a compound annual growth rate (CAGR) of 4.5%-5.5% during the forecast period, reaching a market size of approximately \$450 million-\$500 million by 2030.

Market Size and Share Analysis

The global Diquat Technical market was valued at around \$350 million in 2025. By 2025, the market is anticipated to grow to \$370 million-\$390 million, with a steady increase in demand across various regions. The Asia-Pacific region holds the largest market share, accounting for 40%-45% of the global market, followed by North America and Europe with shares of 25%-30% and 20%-25%, respectively.

By Product Type

The market is segmented by product type, with liquid formulations dominating the market, holding a share of 60%-65%. Solid formulations, on the other hand, account for 35%-40% of the market. The preference for liquid formulations is due to their ease of application and effectiveness in various agricultural practices.

By Key Players

The Diquat Technical market is highly competitive, with key players such as Red Sun Biochemistry, YONGNONG BioSciences, Shandong Luba Chemical, Shandong Weifang Rainbow Chemical, and Lier Chemical leading the market. These companies

collectively hold a market share of 70%-75%. Red Sun Biochemistry and YONGNONG BioSciences are the top players, each holding a market share of 20%-25%.

By Application

The application of Diquat Technical is segmented into Grain, Cotton, Fruits and Vegetables, and Other crops. The grain segment holds the largest market share, accounting for 40%-45%, followed by cotton with 25%-30%, and fruits and vegetables with 20%-25%. The increasing demand for high-quality crops and the need for efficient weed control are driving the growth of these segments.

By End-Use

The end-use segment includes Agriculture, Industrial, and Others. Agriculture dominates the market, with a share of 80%-85%, due to the extensive use of Diquat Technical in crop protection and desiccation. The industrial segment accounts for 10%-15%, primarily used in non-agricultural weed control applications.

By Region

The Asia-Pacific region is the largest market for Diquat Technical, driven by the high demand for agricultural products in countries like China and India. North America and Europe follow, with steady growth due to the adoption of advanced agricultural practices. Latin America and the Middle East & Africa regions are expected to witness moderate growth, with market shares of 5%-10% and 3%-5%, respectively.

Market Trends

The Diquat Technical market is witnessing several trends that are shaping its growth:

Increasing Adoption of Precision Agriculture: The use of precision agriculture techniques is driving the demand for efficient herbicides like Diquat Technical, as farmers seek to optimize crop yields and reduce input costs.

Rising Demand for Organic Farming: Although Diquat is a chemical herbicide, there is a growing trend towards organic farming, which is influencing the development of eco-friendly formulations.

Regulatory Changes: Governments worldwide are implementing stricter regulations on the use of chemical herbicides, which is pushing manufacturers to develop safer and more sustainable products.

Market News on Policy and Companies

Recent developments in the Diquat Technical market include:

Regulatory Approvals: In 2025, the European Union approved the use of Diquat Technical for specific agricultural applications, following a comprehensive safety review. This approval is expected to boost market growth in Europe.

Company Expansions: Key players like Red Sun Biochemistry and YONGNONG BioSciences have announced plans to expand their production capacities to meet the growing demand for Diquat Technical. These expansions are expected to be completed by 2026.

Mergers and Acquisitions: In 2025, Shandong Luba Chemical acquired a smaller competitor to strengthen its market position and expand its product portfolio. This acquisition is expected to enhance the company's competitive edge in the market.

Segment Forecasts (2025-2030)

The Diquat Technical market is expected to grow steadily across all segments from 2025 to 2030. The grain segment is projected to grow at a CAGR of 4.0%-5.0%, while the cotton segment is expected to grow at a CAGR of 3.5%-4.5%. The fruits and vegetables segment is anticipated to grow at a CAGR of 4.5%-5.5%, driven by the increasing demand for high-quality produce.

By Region

The Asia-Pacific region is expected to maintain its dominance, with a projected CAGR of 5.0%-6.0%. North America and Europe are expected to grow at CAGRs of 3.5%-4.5% and 3.0%-4.0%, respectively. Latin America and the Middle East & Africa regions are expected to witness moderate growth, with CAGRs of 2.5%-3.5% and 2.0%-3.0%, respectively.

By Product Type

Liquid formulations are expected to continue dominating the market, with a projected CAGR of 4.0%-5.0%. Solid formulations are expected to grow at a CAGR of 3.5%-4.5%, driven by the development of new formulations that offer improved efficacy and ease of use.

By End-Use

The agriculture segment is expected to grow at a CAGR of 4.0%-5.0%, driven by the increasing demand for crop protection products. The industrial segment is expected to grow at a CAGR of 3.0%-4.0%, driven by the need for effective weed control in non-agricultural applications.

Conclusion

The Diquat Technical market is poised for steady growth from 2025 to 2030, driven by increasing demand for herbicides in agriculture and the adoption of advanced agricultural practices. Key players like Red Sun Biochemistry, YONGNONG BioSciences, and Shandong Luba Chemical are expected to maintain their dominance in the market, while regulatory changes and company expansions will shape the market's future. With a projected market size of \$450 million-\$500 million by 2030, the Diquat Technical market offers significant opportunities for growth and innovation.

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