

## Report Information

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# Beta-Glucan Market Research Report—Global Forecast till 2032

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## Description:

### Global Beta-Glucan Market Overview

Beta-Glucan Market Size was valued at USD 1.3 Billion in 2022. The Beta-Glucan market Technology is projected to grow from USD 1.4 Billion in 2023 to USD 2.2 Billion by 2032, exhibiting a compound annual growth rate (CAGR) of 6.10% during the forecast period (2023 - 2032). Rising chronic disease rates, a growing geriatric population, and increasing product demand in functional food and animal feed applications, are the key market drivers enhancing the market growth.

### Beta-Glucan Market Overview

Source: Secondary Research, Primary Research, MRFR Database and Analyst Review

### Beta-Glucan Market Trends

- **The rising number of chronic diseases is driving the market growth**

Over the course of the projected period, increasing product demand in functional food and animal feed applications is anticipated to be a major market driver. The global demand for functional foods is being driven in large part by the increase in chronic diseases and the growing elderly population. Low immunity levels are more common in developing nations, particularly in children and women. The aforementioned elements, along with growing consumer health consciousness, are anticipated to fuel demand for immunity-boosting substances like the product. Consumers are increasingly choosing preventive programmes over after-treatment drugs. Over the anticipated period, product advancements, particularly in the nutrition sector, are anticipated to drive up demand for nutraceuticals and pharmaceuticals containing yeast beta-glucan.

In 2021, the U.S. held the greatest volume share of more than 75.0% in the North American market, and it is anticipated that it would continue to hold the lead throughout the projection period. Over the anticipated period, it is anticipated that high consumer expenditure on functional food products and dietary supplements will increase product demand in the nation. The substance was one of the chemicals that received the most attention during the epidemic due to its immune-boosting qualities. According to research conducted in 2020 at Unité de Glycobiologie Structurale et Fonctionnelle (UGSF), it aids in enhancing immune defence prior to a patient contracting respiratory virus infections, particularly SARS-CoV-2.

The rapid growth of the nutraceutical industry worldwide helped to boost the global market. By including functional foods and other dietary supplements in their daily diets, consumers are adopting creative strategies to meet their nutritional needs. The market for these food products with added nutrients is quickly expanding among consumers who are adopting a healthy diet, such as athletes, gym attendees, and other health-conscious individuals.

Manufacturers of nutraceuticals are focusing on developing a variety of B-glucan-infused natural supplements that will especially enhance the body's immune and digestive systems. The use of B-glucan in manufacturing has expanded over the past few years as a result of the expanding global popularity of the "go-green trend" and plant-derived food ingredients. The future expansion of B-glucan in the global market is guaranteed by the anticipation of the current environment and the growing need for such nutrient-infused supplements.

Due to its advantageous health characteristics, which have led to the extension of its end-user spectra in industries like medicines and cosmetics, B-glucan is becoming more and more well-liked on a global scale. To satisfy the end-users' increasing demand, the producers must introduce more

and different types of B-glucan. One of the most often used sources of B-glucan extraction worldwide is oat. In recent years, oat production has increased significantly over the world, and its widespread availability is one of the important elements that is motivating producers to speed up the entire production of B-glucan in the global market. Thus, driving the Beta-Glucan market revenue.

## Beta-Glucan Market Segment Insights

### Beta-Glucan Source Insights

The Beta-Glucan Market segmentation, based on source, includes yeast, mushroom, cereals, and microalgae. Yeast segment dominated the global market in 2022. Manufacturers who want to extract beta-glucan for the market prefer yeast as a source of raw materials. Compared to other sources of B-glucan on the market, producers primarily provide a wide selection of yeast-derived B-glucan to their affiliated end-users. In order to minimise functional and nutritional disruption in the finished goods, the source and extraction of yeast B-glucan require careful attention and prevention during the process. The high cost of beta-glucan on the market is a result of the necessary technological developments in the yeast extraction procedure.

### Beta-Glucan Application Insights

The Beta-Glucan Market segmentation, based on application, includes food & beverages, animal feed, personal care, pharmaceuticals, and others. Food & beverages segment dominated the global market in 2022. The main driver of market expansion over the anticipated period is likely to be the rising use of functional foods and dietary supplements worldwide. The product's low cost is anticipated to be the main factor driving demand in animal feed applications. The main advantages of the product include improved immunological function in animals, elevated antibody titers following vaccination, and elevated resistance to microbial diseases.

### Beta-Glucan Type Insights

The Beta-Glucan Market segmentation, based on type, includes (1,3) beta glucan, (1,4) beta glucan, and (1,6) beta glucan. The (1,3) beta glucan segment dominated the Beta-Glucan Market in 2022. Comparing (1,4) and (1,6) beta-glucan to (1,3) beta-glucan, the global beta market favours (1,3) beta-glucan. Due to its simple extraction methods, most manufacturers include (1,3) beta glucan in their product lineup. These are frequently used in the manufacture of the fastest-growing industries, including medicines, cosmetics, and other personal care products.

**Figure 1: Beta-Glucan Market, by Type, 2022 & 2032 (USD Billion)**

#### Beta-Glucan Market, by Type, 2022 & 2032

**Source: Secondary Research, Primary Research, MRFR Database and Analyst Review**

### Beta-Glucan Regional Insights

By region, the study provides the market insights into North America, Europe, Asia-Pacific and Rest of the World. The North America Beta-Glucan Market dominated this market in 2022 (45.80%). American companies Merck and Lesaffre are among the major market participants in the North American beta-glucan market. Beta-glucan is now widely used in the food and beverage industry as thickening agents, fat substitutes, dietary fiber, and hypocholesterolemic agents; these are believed to be the factors driving the rise in the area. Further, the U.S. Beta-Glucan market held the largest market share, and the Canada Beta-Glucan market was the fastest growing market in the North America region.

Further, the major countries studied in the market report are The US, Canada, German, France, the UK, Italy, Spain, China, Japan, India, Australia, South Korea, and Brazil.

**Figure 2: BETA-GLUCAN MARKET SHARE BY REGION 2022 (USD Billion)**

#### BETA-GLUCAN MARKET SHARE BY REGION 2022

**Source: Secondary Research, Primary Research, MRFR Database and Analyst Review**

Europe Beta-Glucan market accounted for the healthy market share in 2022. Because European consumers are calorie cautious, low-calorie and low-fat food products are well-liked in the continent. The frequency of obesity and cardiovascular disorders is rising, which has increased consumer demand for food products made from natural, low-calorie ingredients. Further, the German Beta-Glucan market held the largest market share, and the U.K Beta-Glucan market was the fastest growing market in the European region

The Asia Pacific Beta-Glucan market is expected to register significant growth from 2023 to 2032. The demand for products in this region is being supported by a large number of food processing, cosmetics, and personal care product manufacturing businesses in Asian nations like India, China, South Korea, and Japan. In terms of income, demography, and dietary needs, the area is very diverse. Consumers' increased purchasing power and the rising demand for food products with improved nutritional values are anticipated to have a favourable effect on industry growth. Moreover, China's Beta-Glucan market held the largest market share, and the Indian Beta-Glucan market was the fastest growing market in the Asia-Pacific region.

## Beta-Glucan Key Market Players & Competitive Insights

Leading market players are investing heavily in research and development in order to expand their product lines, which will help the Beta-Glucan market, grow even more. Market participants are also undertaking a variety of strategic activities to expand their global footprint, with important market developments including new product launches, contractual agreements, mergers and acquisitions, higher investments, and collaboration with other organizations. To expand and survive in a more competitive and rising market climate, Beta-Glucan Industry must offer cost-effective items.

Manufacturing locally to minimize operational costs is one of the key business tactics used by manufacturers in the global Beta-Glucan Industry to benefit clients and increase the market sector. In recent years, the Beta-Glucan Industry has offered some of the most significant advantages to medicine. Major players in the Beta-Glucan market, including Kerry Group plc., Givaudan SA, Koninklijke DSM N.V., Euglena Co. Ltd, Biotec Pharmacon ASA, Tate & Lyle plc., Lesaffre Group, Kemin Industries, Inc., ABF Ingredients, Super Beta Glucan, and Garuda International, Inc., are attempting to increase market demand by investing in research and development operations.

Kemin Industries Inc. (Kemin) produces and distributes substances linked to human nutrition and animal health. Its product line includes, among other things, enzymes, probiotics, carotenoids, natural extracts, mould inhibitors, forage preservatives, toxin binders, liquid antibacterial formulations, and antioxidant formulations. These goods are used in a variety of sectors, such as biofuels, personal care, commercial greenhouses, pet food technology, rendering, dietary ingredients, food technologies, and animal nutrition and health. Kemin Industry will be expanding its production facility in December 2022. The company's dedication to innovation and sustainability in animal nutrition and health is shown in Kemin's decision to expand its Cavriago production facility.

The mission of Royal DSM NV (DSM), a science-based company, is to identify environmental, social, and economic challenges and opportunities, seize those opportunities to have a long-lasting positive impact on people and the environment, and then build growth through sustainable, profitable expansion. The business makes speciality plastics, fiber and resin solutions, nutritional lipids, carotenoids, vitamins, and other components. From agriculture byproducts and biochemicals, the company creates materials for renewable energy and medicinal devices. The launch of an integrated food and beverage operating structure, which brings together three aspects of DSM's nutrition business—Food Specialties, Hydrocolloids, and a portion of its Nutritional Products Group—was announced by the company in January 2022.

### Key Companies in the Beta-Glucan market include

- Kerry Group plc.
- Givaudan SA
- Koninklijke DSM N.V.
- Euglena Co. Ltd
- Biotec Pharmacon ASA
- Tate & Lyle plc.
- Lesaffre Group
- Kemin Industries, Inc.
- ABF Ingredients
- Super Beta Glucan
- Garuda International, Inc.

### Beta-Glucan Industry Developments

**June 2020:** Lesaffre acquires a controlling interest in the Chinese business Biohymn Biotechnology (China). A Chinese company called Biohymn Biotechnology is focused on making yeast and yeast extracts.

### Beta-Glucan Market Segmentation

#### Beta-Glucan Source Outlook

- Yeast
- Mushroom
- Cereals

- Microalgae

## **Beta-Glucan Application Outlook**

- Food & Beverages
- Animal Feed
- Personal Care
- Pharmaceuticals
- Others

## **Beta-Glucan Type Outlook**

- (1,3) Beta Glucan
- (1,4) Beta Glucan
- (1,6) Beta Glucan

## **Beta-Glucan Regional Outlook**

- North America
  - US
  - Canada
- Europe
  - Germany
  - France
  - UK
  - Italy
  - Spain
  - Rest of Europe
- Asia-Pacific
  - China
  - Japan
  - India
  - Australia
  - South Korea
  - Australia
  - Rest of Asia-Pacific
- Rest of the World
  - Middle East

- Africa
- Latin America

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