

## **Beta Glucan - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)**

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### **Report description:**

The Beta Glucan Market size is estimated at USD 650.20 million in 2025, and is expected to reach USD 951.38 million by 2030, at a CAGR of 7.91% during the forecast period (2025-2030).

COVID-19 pandemic is still transforming the growth of numerous industries, the outbreak's immediate impact is varied. While some sectors may experience a decline in demand, many others continue to stay unaffected and exhibit strong development prospects. The global beta-glucan market has been witnessing significant growth due to the increasing health and hygiene consciousness among consumers globally, owing to the impact of the COVID-19 pandemic. Consumers have grown more mindful of their health and proactive about maintaining it through healthy living. As a result, consumer demand has shifted from processed food to nutritious, low-calorie, non-oily, functional, and superfoods. Consumers have become more conscious of food ingredients and pay close attention to nutrition labels and product contents. This shift in consumer behavior has increased demand for healthy foods and supplements, prompting various producers to introduce new functional, non-genetically modified, and naturally produced food products. Furthermore, changing lifestyles, recovering economies, and shift toward natural products have been observed in developing economies, leading to the growth in demand for beta-glucan, not only in food & beverage, personal care, and pharmaceutical products but also in other industrial applications, including animal feed, cosmetics, and biofuel production.

Over the long term, Beta-glucans are biologically active fibers derived from the cell wall of various natural sources, including yeast, mushroom, oats, barley, and others, with the proven benefits for health and medical significance. The beta-glucans are allowed in several countries, including the United States, Canada, Finland, Sweden, China, Japan, and Korea, as potent immunological activators. Beta-glucans are not synthesized by the human body. Hence, these are recognized by the immune system, and these induce both adaptive and innate immune responses. Currently, the available beta-glucan is sold for providing health benefits, such

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as the wellness of the cardiac system, immune system, digestive system, and others. For example, Leiber GmbH, a German manufacturer, offers a varied range of specialized yeast products, including Yestimun. Yestimun is an 85% pure beta-glucan derived from brewer's yeast. Beta-glucan is used for digestive health by triggering an immune-modulating response. Some of the players operating in the beta-glucan market are Tate & Lyle PLC, Kerry Group PLC, Koninklijke DSM NV, Super Beta-Glucan, Lantmannen, among others.

## Beta Glucan Market Trends

### Fungi has the Highest Content of Beta Glucan

Fungi immunoceuticals, mainly polysaccharides, such as  $\beta$ -D glucans, with antitumor and immunomodulatory effects, proceeded successfully through clinical trials and are used to treat cancer and chronic diseases. Thus, manufacturers are focusing on offering beta-glucans sourced from fungi as they are mainly known for their immune-modulating and various other disease-curing properties. In the healthcare field, mushroom beta-glucan is used to carry out research studies to identify its potential uses for human health. For example, research studies have been carried out to study the effect of mushroom beta-glucans on tumor inhibition in mice with tumors by providing oral administration of mushroom beta-glucan with radiation therapy. While the awareness of beta-glucans from sources like barley, oats, are quite high, beta-glucan sourced from mushroom can provide unique opportunities for researchers to discover novel bioactive with functional food potential. The ingredient is gaining traction for cosmetic applications as it is more moisturizing than hyaluronic acid and improves moisture levels in the skin with continued use. For example, Kosmetic Immunity by JKosmmune uses beta-glucan derived from mushrooms in its skincare products to boost and protect skin barriers while moisturizing skin. Moreover, with rising clinical studies regarding yeast as a nutritional source, GN Corporation launched Nichi Glucan, which is derived from *Aureobasidium* (black yeast). It contains beta-D-glucans that are the active compounds found in the cell walls of yeast, fungi, and seaweed. Beta-D-glucans, also known as biological response modifier glucans (BRMGs), have been well documented in animal and human studies for improving insulin sensitivity, increasing satiety, and reducing cholesterol serum levels. Thus, these innovations are supporting the growth of the market studied.

### Europe is the Largest Market

Owing to the health benefits, and other beneficial properties of beta-glucan, this fiber ingredient has been gaining popularity across industries including food & beverage, nutraceuticals, pharmaceuticals, animal feed, and cosmetics, among others. In the United Kingdom, the increasing product innovations in the cosmetics industry are expected to drive the demand for yeast beta-glucan for cosmetic applications. For instance, yeast beta-glucan provides the traditional moisturizing agent, and it acts as a natural repairing agent, compared to the conventional oat beta-glucan. Furthermore, in contrast to the relatively inexpensive commercially available beta-glucans from yeast, mushroom beta-glucans have been scientifically proven to have more diverse structures and consequently, superior immunological activity, thereby making them ideal for medicinal applications. Additionally, the sensitivity of consumers toward a healthy diet and its benefits for health and longevity is increasing. Food products containing nutritional substances such as vitamins, fibers, and antioxidants, among others, are often laborious to prepare and consume, discouraging those who have little time to devote to cooking and a hectic schedule. For these reasons, the formulation of products for easy and immediate consumption (like baked goods) that add value to consumers' diets is essential. Hence, food and beverage manufacturers have been increasingly using beta-glucan in baked products, dressings, cereals, meat and meat products, and other edible goods. For instance, Pastificio Granoro, one of the most prominent Italian food manufacturers, employs high beta-glucan content in its products including spaghetti and pasta, owing to the nutritional properties of the fibrous ingredient and the health benefits associated.

## Beta Glucan Industry Overview

The most active companies in the global beta-glucan market include key players like Lallemand Inc., Merck KGaA, Lesaffre

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International, and Ceapro Inc. The major players of the market have been indulging in strategies like product innovation, mergers, acquisitions, partnerships, and production and geographical expansions, which in turn has leveraged them to gain an esteemed position in the market. Product innovation is the most adopted strategy by the key players operating in the global beta-glucan market. The extensive investment in R&D was witnessed in the past years, which has led to the introduction of numerous new products to hit the market studied. Agreements with government research centers under development programs, financial assistance and collaboration with the universities for utilizing their research facilities, and partnerships with distributors are also some of the major strategies adopted by the players in the market

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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