

Yeast Glucan Market Outlook 2026-2034: Market Share, and Growth Analysis By Type (1,3-glucan, 1,6-glucan), By Application (Food & Beverages, Pharmaceuticals, Cosmetics, Feed, Others)

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Abstracts

The Yeast Glucan Market is valued at USD 0.96 billion in 2025 and is projected to grow at a CAGR of 6.3% to reach USD 1.66 billion by 2034.

Yeast Glucan Market

The Yeast Glucan market centers on α -1,3/1,6-glucans extracted from *Saccharomyces cerevisiae* cell walls, used as immune-modulating and barrier-support ingredients across human nutrition, animal feed, aquaculture, personal care, and select pharmaceutical applications. Demand is propelled by sustained interest in immune health, antibiotic-free livestock production, fish/shrimp disease management, and clean-label fortification in foods and beverages. Suppliers differentiate on purity (α -glucan content and linkage profile), solubility/particle size, extraction method (autolysis, enzymatic, alkaline), taste neutrality, and documented bioactivity. In human nutrition, branded ingredients target daily immunity, upper-respiratory wellness, stress-linked immunity, and gut-microbiome synergies; formats span capsules, gummies, RTD beverages, and bakery/snack fortification. In animal nutrition, poultry, swine, ruminant, and aquaculture formulations emphasize pathogen challenge resilience, vaccine support, gut integrity, and performance under heat stress. Adjacent opportunities include wound care, dermatology (barrier repair, redness reduction), and biopharma excipients where viscosity and film-forming benefits matter. Regulatory pathways vary - general food ingredient status in many markets, with stricter claim substantiation in the EU and product-registration regimes in parts of Asia. The competitive landscape blends global yeast groups, specialist ingredient brands, and feed-additive suppliers with strong

technical service. Overall, the market is shifting from commodity yeast derivatives to clinically profiled, application-specific glucans supported by standardized assays, stability data, and outcome-based claims playbooks.

Yeast Glucan Market Key Insights

From yeast derivative to standardized bioactive Buyers are moving from generic “yeast cell wall” inputs to quantified β -1,3/1,6-glucans with validated linkage ratios and low protein/lipid residues. AOAC-style methods, endotoxin screens, and batch COAs underpin label trust. Consistent particle size and low organoleptic impact enable use in clear beverages and sensitive formats.

Clinical positioning and claims discipline Brands prioritize endpoints like incidence/duration of URTI, NK-cell activity, and perceived health days. In stricter jurisdictions, structure-function language leans to “immune support” and “barrier function” rather than disease risk. Dossiers now pair RCTs with mechanism data to withstand retailer and regulator scrutiny.

Soluble vs. insoluble and bioavailability design Soluble fractions favor beverages and syrups but must protect conformation and activity; insoluble forms suit tablets, bakery, and feed pellets. Micro-milling, granulation, and gentle drying improve dispersibility, while encapsulation and co-matrixing (with vitamins/minerals or prebiotics) enhance stability and sensory.

Human nutrition premiumization Daily-use immunity SKUs migrate from capsules to enjoyable formats (gummies, shots, bars) with “no taste” and “low sugar” constraints. Co-formulations with vitamin D, zinc, quercetin, and postbiotics speak to holistic immune–gut narratives. Retail buyers want supply-chain transparency and season-agnostic demand planning.

Antibiotic-free livestock and heat-stress resilience Poultry/swine producers adopt β -glucans to support vaccine take rates, tight junction integrity, and challenge recovery, especially as AGP bans spread. Formulators balance inclusion rates with pellet durability and enzyme interactions. Field data during coccidial and heat events are decisive in repeat orders.

Aquaculture disease management In shrimp and salmonids, β -glucans support innate responses and survival under pathogen pressure and salinity/temperature swings. Success hinges on feed-process stability (extrusion heat), water

stability, and synergy with nucleotides/MOS. Hatchery and early-life programs show outsized ROI when biosecurity is tight.

Cosmetics and dermatology traction Topical glucans are used for barrier repair, redness mitigation, and post-procedure soothing. Formulators value film-forming, humectancy, and compatibility with retinoids/acids. Claims depend on in-vivo TEWL, erythema, and wrinkle metrics; low odor/color grades expand use in serums and masks.

Manufacturing efficiency and by-product valorization Integration with brewery/bioethanol yeast streams lowers cost and carbon intensity. Enzymatic and mechanical disruption reduce harsh-alkali residues and improve yields. Wastewater, energy use, and solvent recovery are procurement criteria as customers audit Scope 3 footprints.

Regulatory heterogeneity and market access While many markets recognize yeast glucan as a conventional ingredient, claims and novel-food thresholds vary. EU claim caution pushes brands toward consumer education and experiential benefits; parts of Asia require dossier-based registrations. Harmonized specs and clean labeling accelerate multi-country rollouts.

Go-to-market: evidence + applications support Ingredient suppliers win through formulation labs, pilot bakes/brews, and stability data under real shelf conditions. In feed, on-farm trials and technical reps close the loop from lab to field. Co-branding, Q&A support for retailers, and transparent COAs drive premium positioning and long-term contracts.

Yeast Glucan Market Regional Analysis

North America

Human nutrition remains the demand anchor, with immune-health products embedded in everyday wellness routines and retail buyers favoring clinically profiled, taste-neutral grades. Private-label adoption grows in mainstream retail and club channels. In animal nutrition, antibiotic-free programs sustain inclusion in poultry and swine, with precision-nutrition platforms testing response curves. Strict customer audits emphasize allergen statements, COA completeness, and traceability. DTC brands push innovative formats (gummies/shots), increasing requirements for solubility and clarity.

Europe

Regulatory caution on explicit immune claims elevates the importance of scientific dossiers and compliant wording. Food manufacturers prefer standardized, low-color grades for bakery, dairy alternatives, and beverages. Feed formulators target resilience under heat/coccidial pressure while meeting sustainability KPIs. Cosmetics and dermo-cosmetics adopt high-purity, low-odor glucans for sensitive-skin lines. Procurement teams scrutinize environmental profiles, solvent use, and recyclability of packaging alongside supplier quality systems and audits.

Asia-Pacific

Demand is diversified: fortified foods/drinks in Northeast Asia, infant/toddler-adjacent categories with tight quality bars, and immunity SKUs in Southeast Asia. Local yeast capacity and cost-competitive processing expand ingredient availability. In livestock and aquaculture, β -glucans align with disease-management and antibiotic-reduction goals, particularly in shrimp and warm-water fish. Regulatory registrations and “blue-hat”-type approvals guide launch sequencing; partnerships with local formulators speed adaptation to regional taste and texture expectations.

Middle East & Africa

Adoption grows through poultry and ruminant programs coping with heat stress and pathogen challenges; water-scarce contexts value robust gut integrity and performance stability. Human nutrition is developing via pharmacy-led channels focused on immunity and family wellness. Suppliers with reliable logistics, halal/label compliance, and application support gain share. Large integrators pilot β -glucan alongside probiotics and organic acids in multi-additive strategies to optimize cost-in-use.

South & Central America

Brazil-led livestock and aquaculture markets evaluate β -glucans for health resilience and performance during climatic stress and vaccination cycles. In human nutrition, pharmacies and specialty retailers carry immunity SKUs, with growing interest in sports/active-lifestyle blends. Local yeast coproduct availability supports competitive cost structures, while currency volatility makes stable contracts and regional inventory important. Technical field support and demonstration trials remain decisive for sustained penetration across integrators and premix blenders.

Yeast Glucan Market Segmentation

By Type

- 1
- 3-glucan
- 1
- 6-glucan

By Application

- Food & Beverages
- Pharmaceuticals
- Cosmetics
- Feed
- Others

Key Market players

Lesaffre, Lallemand, Angel Yeast, Ohly (ABF Ingredients), Kerry Group (Wellmune), Leiber GmbH, Biorigin (Zilor), Alltech, Diamond V (Cargill), ICC Brazil, Kemin Industries, Phileo by Lesaffre, AB Mauri, Super Beta Glucan, Biotec BetaGlucans AS

Yeast Glucan Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modelling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of

international flows, including leading exporters, importers, and regional price trends. Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behaviour are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

Yeast Glucan Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption. Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

Countries Covered

North America — Yeast Glucan market data and outlook to 2034

United States

Canada

Mexico

Europe — Yeast Glucan market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Yeast Glucan market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Yeast Glucan market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Yeast Glucan market data and outlook to 2034

Brazil

Argentina

Chile

Peru

* We can include data and analysis of additional countries on demand.

Research Methodology

This study combines primary inputs from industry experts across the Yeast Glucan value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

Key Questions Addressed

What is the current and forecast market size of the Yeast Glucan industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to

invest over the next 3–5 years?

Your Key Takeaways from the Yeast Glucan Market Report

Global Yeast Glucan market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Yeast Glucan trade, costs, and supply chains

Yeast Glucan market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Yeast Glucan market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Yeast Glucan market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Yeast Glucan supply chain analysis

Yeast Glucan trade analysis, Yeast Glucan market price analysis, and Yeast Glucan supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Yeast Glucan market news and developments

Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary

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Complimentary report update to incorporate the latest available data and the impact of recent market developments.

* The updated report will be delivered within 3 working days

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