

Fish Powder Market Size, Share, Trends, Analysis, and Forecast 2025-2034 | Global Industry Growth, Competitive Landscape, Opportunities, and Challenges

<https://marketpublishers.com/r/F5BBBB4C0DC1EN.html>

Date: May 2025

Pages: 150

Price: US\$ 3,850.00 (Single User License)

ID: F5BBBB4C0DC1EN

Abstracts

Global Fish Powder Market is valued at USD 11.4 billion in 2025. Further, the market is expected to grow at a CAGR of 8% to reach USD 22.6 billion by 2034.

The fish powder market has gained significant momentum due to the rising demand for high-protein ingredients in animal feed, dietary supplements, and food products. Fish powder, made by drying and grinding fish into a fine powder, is an excellent source of protein, omega-3 fatty acids, and essential amino acids, making it a valuable ingredient in various applications. It is widely used in the aquaculture industry as an essential part of fish feed to promote growth and health. Additionally, fish powder is gaining popularity in the nutraceutical and food sectors due to its nutritional benefits, including promoting heart health and improving brain function. The increasing global awareness of the health benefits of omega-3 fatty acids, along with the rising consumption of plant-based and sustainable products, is driving the market. Furthermore, growing aquaculture activities, especially in developing countries, are significantly contributing to the demand for fish powder. With the ongoing development of more sustainable fish sourcing and production processes, the market for fish powder is expected to continue expanding globally.

In 2024, the fish powder market is expected to see several key developments, driven by advancements in sustainable sourcing and production technologies. Companies are increasingly focusing on producing fish powder from more sustainable sources, such as wild-caught fish, by-products of fish processing, and algae-based fish meal substitutes. As concerns about overfishing and environmental impacts grow, fish powder

manufacturers are looking for eco-friendly alternatives to meet the demand for protein-rich ingredients. In addition, the global aquaculture industry is expanding rapidly, especially in Asia-Pacific and Latin America, further driving the demand for fish powder as a key ingredient in aquafeed. The rise in animal feed production in these regions is expected to significantly boost market growth in 2024. Moreover, innovations in fish powder processing technologies, such as the introduction of spray drying and freeze-drying methods, are improving the powder's nutritional profile and shelf life, making it more suitable for various food and supplement applications. As the market continues to grow, companies are also exploring the use of fish powder in plant-based food products and pet food, further diversifying the potential applications of this product.

Looking to 2025 and beyond, the fish powder market is poised for significant growth due to a combination of technological advancements, regulatory changes, and increasing consumer demand for sustainable and nutritious products. The ongoing shift toward plant-based diets and eco-friendly ingredients is likely to influence the market, prompting further development of plant-based fish powder alternatives. The growing awareness of the environmental benefits of consuming sustainably sourced fish and reducing the carbon footprint of food production will encourage the use of fish powder derived from eco-conscious methods. Additionally, as the demand for nutraceuticals and functional foods increases, fish powder will likely play an essential role in the formulation of dietary supplements, offering consumers the nutritional benefits of fish without the environmental drawbacks. Furthermore, with the growing trend toward personalized nutrition, fish powder may find applications in tailored meal plans and functional food products. In response to these trends, the fish powder market is expected to continue evolving, with more companies focusing on sustainability and innovation to meet the changing consumer demands.

Key Trends in the Fish Powder Market

Growing Demand for Sustainable Fish Powder: There is an increasing emphasis on sustainable sourcing of fish and alternative protein sources, such as algae, to address environmental concerns and overfishing.

Rise in Aquaculture Production: The expansion of the aquaculture industry, particularly in Asia-Pacific and Latin America, is driving the demand for fish powder as an essential ingredient in fish feed.

Advancements in Fish Powder Processing: Innovative drying technologies, such as spray drying and freeze-drying, are enhancing the nutritional value and shelf life of fish

powder, improving its market appeal.

Plant-Based and Functional Food Integration: Fish powder is being increasingly incorporated into plant-based and functional foods to meet the growing consumer demand for nutritious, protein-rich products.

Increase in Nutraceutical Demand: As consumers seek functional foods and dietary supplements, fish powder's high nutritional profile positions it as a key ingredient in the growing nutraceutical market.

Market Drivers

Expanding Aquaculture Sector: Rapid growth in global fish farming is boosting the demand for fish powder in the production of fish feed to promote healthy and sustainable aquaculture practices.

Increased Health Consciousness: Rising awareness of the health benefits of omega-3 fatty acids and protein-rich diets is driving the adoption of fish powder in dietary supplements and functional foods.

Sustainability and Environmental Concerns: The need for sustainable protein sources and the reduction of overfishing are encouraging the use of sustainably sourced fish powder and alternative protein ingredients.

Growth in Animal Feed Industry: The increasing global demand for livestock and poultry products is driving the need for high-quality fish powder in animal feed formulations.

Market Challenge

Price Fluctuations and Supply Chain Issues: The fish powder market faces challenges due to fluctuations in raw material prices and supply chain disruptions, particularly concerning sustainable sourcing and availability of fish stocks.

Market Segmentation

By Source

Whole Fish

By-Product

By Type

Steam Dried

SD

Fish Powder

Flame Dried

FD

Fish Powder

By Distribution Channel

B2B

B2C

By Application

Swine

Poultry

Aquaculture

Other Applications

By End-User

Food And Beverages

Sports Nutrition and Dietary Supplements

Cosmetics and Personal Care

Pharmaceuticals

Animal Feed

Fertilizer

By Geography

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Spain, Italy, Rest of Europe)

Asia-Pacific (China, India, Japan, Australia, Vietnam, Rest of APAC)

The Middle East and Africa (Middle East, Africa)

South and Central America (Brazil, Argentina, Rest of SCA)

What You Receive

Global Fish Powder market size and growth projections (CAGR), 2024- 2034

Impact of recent changes in geopolitical, economic, and trade policies on the demand and supply chain of Fish Powder.

Fish Powder market size, share, and outlook across 5 regions and 27 countries, 2025- 2034.

Fish Powder market size, CAGR, and Market Share of key products, applications, and end-user verticals, 2025- 2034.

Short and long-term Fish Powder market trends, drivers, restraints, and opportunities.

Porter's Five Forces analysis, Technological developments in the Fish Powder market, Fish Powder supply chain analysis.

Fish Powder trade analysis, Fish Powder market price analysis, Fish Powder

Value Chain Analysis.

Profiles of 5 leading companies in the industry- overview, key strategies, financials, and products.

Latest Fish Powder market news and developments.

The Fish Powder Market international scenario is well established in the report with separate chapters on North America Fish Powder Market, Europe Fish Powder Market, Asia-Pacific Fish Powder Market, Middle East and Africa Fish Powder Market, and South and Central America Fish Powder Markets. These sections further fragment the regional Fish Powder market by type, application, end-user, and country.

Who can benefit from this research

The research would help top management/strategy formulators/business/product development/sales managers and investors in this market in the following ways

1. The report provides 2024 Fish Powder market sales data at the global, regional, and key country levels with a detailed outlook to 2034, allowing companies to calculate their market share and analyze prospects, uncover new markets, and plan market entry strategy.
2. The research includes the Fish Powder market split into different types and applications. This segmentation helps managers plan their products and budgets based on the future growth rates of each segment
3. The Fish Powder market study helps stakeholders understand the breadth and stance of the market giving them information on key drivers, restraints, challenges, and growth opportunities of the market and mitigating risks
4. This report would help top management understand competition better with a detailed SWOT analysis and key strategies of their competitors, and plan their position in the business
5. The study assists investors in analyzing Fish Powder business prospects by region, key countries, and top companies' information to channel their investments.

Available Customizations

The standard syndicate report is designed to serve the common interests of Fish Powder Market players across the value chain and include selective data and analysis from entire research findings as per the scope and price of the publication.

However, to precisely match the specific research requirements of individual clients, we offer several customization options to include the data and analysis of interest in the final deliverable.

Some of the customization requests are as mentioned below –

Segmentation of choice – Our clients can seek customization to modify/add a market division for types/applications/end-uses/processes of their choice.

Fish Powder Pricing and Margins Across the Supply Chain, Fish Powder Price Analysis / International Trade Data / Import-Export Analysis

Supply Chain Analysis, Supply–Demand Gap Analysis, PESTLE Analysis, Macro-Economic Analysis, and other Fish Powder market analytics

Processing and manufacturing requirements, Patent Analysis, Technology Trends, and Product Innovations

Further, the client can seek customization to break down geographies as per their requirements for specific countries/country groups such as South East Asia, Central Asia, Emerging and Developing Asia, Western Europe, Eastern Europe, Benelux, Emerging and Developing Europe, Nordic countries, North Africa, Sub-Saharan Africa, Caribbean, The Middle East and North Africa (MENA), Gulf Cooperation Council (GCC) or any other.

Capital Requirements, Income Projections, Profit Forecasts, and other parameters to prepare a detailed project report to present to Banks/Investment Agencies.

Customization of up to 10% of the content can be done without any additional charges.

Note: Latest developments will be updated in the report and delivered within 2 to 3 working days.

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