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Aquaculture Food Market Forecasts to 2032 – Global Analysis By Feed Type (Compound Feed, Supplementary Feed and Farm-Made Feed), Ingredient, Additive Type, Species, Form, Distribution Channel and By Geography

https://marketpublishers.com/r/AC8C37EFB50BEN.html
Date: January 2026
Pages: 200
Price: US$ 4,150.00 (Single User License)
ID: AC8C37EFB50BEN

Abstracts

According to Stratistics MRC, the Global Aquaculture Food Market is accounted for $326.44 billion in 2025 and is expected to reach $462.20 billion by 2032 growing at a CAGR of 5.1% during the forecast period. Aquaculture food refers to specialized feed formulated to support the growth, health, and reproduction of aquatic organisms cultivated in controlled environments, such as fish, shrimp, mollusks, and crustaceans. These feeds are designed to provide balanced nutrition, including proteins, lipids, vitamins, and minerals, tailored to species-specific requirements. High-quality aquaculture food enhances growth rates, feed conversion efficiency, and disease resistance while minimizing environmental impact through sustainable ingredients. It plays a critical role in modern aquaculture, ensuring productivity, food security, and the economic viability of fish farming operations worldwide.

Market Dynamics:

Driver:

Rising Global Seafood Demand

The global surge in seafood consumption is a primary driver for the aquaculture food market. Increasing health awareness, protein-rich diets, and rising population growth have amplified demand for farmed fish, shrimp, and mollusks. This escalating seafood consumption necessitates high-quality aquaculture feed to ensure consistent

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production, growth efficiency, and nutritional value. Consequently, feed manufacturers are innovating and scaling operations, reinforcing the market's expansion while meeting global food security needs and supporting sustainable aquaculture practices.

Restraint:

Environmental Concerns

Environmental sustainability remains a significant restraint for the market. Intensive farming practices can lead to water pollution, nutrient runoff, and disruption of local ecosystems, raising regulatory scrutiny. Concerns regarding habitat degradation, chemical residues, and overreliance on wild fish for feed exacerbate these challenges. As governments and environmental bodies impose stricter regulations, producers must invest in eco-friendly feed solutions, balancing profitability with ecological responsibility, which can slow growth and increase operational complexity within the aquaculture food sector.

Opportunity:

Advancements in technology

Technological advancements present substantial opportunities in the market. Innovations in feed formulation, such as precision nutrition, functional additives, and alternative protein sources, enhance growth performance and disease resistance. Smart feeding systems, sensors, and data analytics optimize feed usage, reduce waste, and improve operational efficiency. These innovations allow producers to meet rising seafood demand sustainably, minimize environmental impact, and reduce costs over time. Integrating technology in aquaculture feed production is pivotal for long-term market growth and competitive advantage.

Threat:

High Operational Costs

High operational costs pose a significant threat to the market. Rising expenses in raw materials, energy, labor, and logistics directly affect feed production and farm profitability. Additionally, investments in technology, quality control, and regulatory compliance increase financial burdens for producers. These cost pressures can hinder

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market entry for smaller players and limit scalability, potentially slowing overall growth. Companies must adopt efficient production techniques, innovative feed solutions, and cost-optimization strategies to mitigate these challenges and maintain competitiveness.

Covid-19 Impact:

The Covid-19 pandemic disrupted the global aquaculture food market by affecting supply chains, logistics, and labor availability. Lockdowns and trade restrictions led to delays in raw material procurement and feed distribution, impacting production schedules. Reduced demand from restaurants and hospitality sectors further strained revenues. However, post-pandemic recovery has accelerated market adaptation, with companies investing in digital supply chain management, automation, and alternative sourcing strategies. These measures have strengthened resilience, supporting sustained availability of aquaculture feed worldwide.

The antioxidants segment is expected to be the largest during the forecast period

The antioxidants segment is expected to account for the largest market share during the forecast period, as they crucial for preventing oxidative stress in aquatic organisms, improving immune function, and enhancing growth and survival rates. Their inclusion in feed ensures better health, reduced disease incidence, and higher quality produce, making them highly desirable for sustainable aquaculture operations. The increasing emphasis on functional feed, health management, and long-term productivity drives the demand for antioxidant-enriched aquaculture feed, reinforcing its position as a leading market segment globally.

The mollusks segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the mollusks segment is predicted to witness the highest growth rate, due to rising global demand for oysters, clams, and mussels, coupled with the need for specialized nutrition to ensure optimal growth, contribute to this rapid expansion. Feed tailored for mollusks enhance survival rates, shell quality, and disease resistance. Furthermore, advancements in cultivation techniques and aquaculture technology are driving efficient feeding practices, supporting market growth. The mollusks segment is poised to become a key growth driver in the aquaculture food industry.

Region with largest share:

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During the forecast period, the Asia Pacific region is expected to hold the largest market share, due to extensive aquaculture activities, particularly in China, India, and Southeast Asia, where high seafood consumption and export demand prevail. Well-established fish farming practices, availability of raw materials, and government initiatives to promote sustainable aquaculture contribute to market growth. The presence of leading feed manufacturers and increasing adoption of advanced feeding technologies further consolidate the region's position as a central hub in the global aquaculture food market.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR, owing to rising consumer preference for farmed seafood drive rapid growth. Technological adoption, including precision feeding and advanced monitoring systems, enhances productivity and operational efficiency. Additionally, government incentives and research programs supporting sustainable aquaculture practices strengthen market expansion. The combination of demand growth, innovation, and regulatory support positions North America as a rapidly growing and strategic market for aquaculture food globally.

Key players in the market

Some of the key players in Aquaculture Food Market include Mowi ASA, Grieg Seafood ASA, Cermaq Group AS, Huon Aquaculture Group Ltd., Cooke Aquaculture Inc., Nireus Aquaculture S.A., SalMar ASA, P/F Bakkafrost, Thai Union Group PCL, Cargill, Inc., Maruha Nichiro Corporation, BioMar Group, Norway Royal Salmon ASA, Blue Ridge Aquaculture and Charoen Pokphand Foods PCL.

Key Developments:

In October 2025, Mars and Cargill strengthened their commitment to clean energy by signing five virtual power purchase agreements to procure over 224?MWac of new solar capacity in Poland with GoldenPeaks Capital, creating large?scale renewable projects that will cut emissions and advance shared climate goals.

In July 2025, Cermaq has agreed to buy Grieg Seafood's salmon farming operations in Finnmark, British Columbia and Newfoundland for NOK?10.2?billion, aiming to deepen its global footprint and amplify sustainable production while honoring Grieg's legacy and growth potential.

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Feed Types Covered:

- Compound Feed
- Supplementary Feed
- Farm-Made Feed

Ingredients Covered:

- Fishmeal
- Insect-Based Ingredients
- Fish Oil
- Algae-Based Ingredients
- Soybean Meal
- Additives & Premixes
- Corn & Wheat

Additive Types Covered:

- Amino Acids
- Antioxidants
- Vitamins
- Enzymes
- Minerals

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- Probiotics & Prebiotics
- Antibiotics

Species Covered:

- Fish
- Crustaceans
- Mollusks

Forms Covered:

- Dry Feed
- Moist Feed
- Wet Feed

Distribution Channels Covered:

- Direct Sales
- Distributors & Wholesalers
- Online Channels

Regions Covered:

- North America
  - US
  - Canada

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- Mexico

Europe

- Germany
- UK
- Italy
- France
- Spain
- Rest of Europe

Asia Pacific

- Japan
- China
- India
- Australia
- New Zealand
- South Korea
- Rest of Asia Pacific

South America

- Argentina
- Brazil

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Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:
- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

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Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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Contents

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12 KEY DEVELOPMENTS

13 COMPANY PROFILING

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List Of Tables

LIST OF TABLES

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Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

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