

Nutritional Ingredients in Animal Feed Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028 Segmented By Nutrition Type (Proteins, Vitamins, Amino acids, Enzymes, Acidifiers, Antibiotics, Antioxidants), By Animal Type (Poultry, Cattle, Fish, Others), By Source (Corn, Wheat, Soyabean Meal, Fish, Oats, Alfalfa, Others), By Region, and Competition

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Abstracts

The Global Nutritional Ingredients in Animal Feed Market is projected to witness substantial growth until 2028, driven by the increasing demand for safe and nutritious animal-based food. The market for Nutritional Ingredients in Animal Feed is experiencing rapid growth and gaining popularity due to the rising consumer demands for meat, milk-based products, including eggs and fish.

A high-quality and nutritious animal feed must contain a balanced combination of fats, proteins, amino acids, vitamins, minerals, and probiotics. This nutritional composition is achieved by incorporating corn, soybean, dried and wet grains, oats, cotton-seed meals, and wheat products. Meeting the nutritional requirements of the growing population, particularly for poultry products, milk, meat, eggs, and dairy products, is crucial. Both rural and urban populations have diverse consumption patterns when it comes to animal nutrition, primarily focusing on proteins and fats. Moreover, changing lifestyles, increasing awareness of balanced diets, and the pursuit of mass gains and weight losses are contributing to the growing demand for animal protein, driving the global Nutritional Ingredients in Animal Feed Market.

For the proper growth and optimal health of growing and young animals, their feed must be rich in essential nutrients and proteins, as these are vital for the development of muscles, bones, and organs. However, the nutrient requirements of older animals vary due to age-related health conditions. Additionally, the high nutritional value of animal-based food products is fueling the demand for Nutritional Ingredients in Animal Feed. Furthermore, proteins are readily available, cost-effective, healthy, and sustainable. The thriving food industry globally is generating significant demand for high-quality animal-based food, thereby increasing the need for nutrients in animal feed. According to the Food and Agriculture Division of the United Nations, approximately 65% of the global population is either overweight or undernourished.

The demand for animal-based products drives the growth of the animal feed industry. The Nutritional Ingredients in Animal Feed Market expands significantly due to the increasing demand for animal-based protein, milk, and dairy products. However, it is important to acknowledge that animal-based food has a greater environmental impact and resource requirement compared to plant-based food. This widening gap between animal-based and plant-based food demand is primarily due to the reliance of animal-based food on crops for feed.

The rising interest in muscle gain, weight loss, and overall wellbeing has led to an increased demand for high-quality animal-based proteins and supplements such as fish oil and omega-3 fatty acids. According to OECD FAO, global meat production is projected to increase by almost 44Mt, reaching 373Mt by 2030, driven by higher profitability, especially in the post-COVID-19 recovery period. In the food industry, animal proteins like casein, whey protein, gelatin, egg proteins, and fibroin are commonly used to create protein particles. Whey proteins, in particular, are widely utilized due to their nutritional value and functional properties such as emulsification, gelling, foaming, and thickening, consequently fueling the growth of the Nutritional Ingredients in Animal Feed Market.

Animal-based proteins find applications in various industries including food and beverage, cosmetics and personal care, nutraceuticals, pharmaceuticals, and animal feed. Gelatin, derived from boiling cow bones, skin, tendons, and/or skin, is used as a thickener in food products such as candies, marshmallows, and fruit gelatins and puddings. Sheep skins are utilized for leather production, which is further used in car upholstery, clothing, and shoes. Sheep bones, horns, and hooves are processed to make gelatin, tape, brushes, and pet food ingredients. Moreover, the growing number of restaurants, food eateries, and the increasing trend towards baking and protein-based recipes drive the demand for high animal productivity and subsequently contribute to the

growth of the Nutritional Ingredients in Animal Feed Market.

Raising awareness and growing concerns about food quality and safety also play a significant role in the expansion of the Nutritional Ingredients in Animal Feed Market. The production of food has a substantial environmental impact, leading to issues such as pollution, climate change, soil degradation, and biodiversity loss. This has prompted a considerable portion of the population to prioritize animal-based food for its nutritional value. Additionally, the increasing focus on food security has further propelled the demand for nutritional ingredients in animal feed. Government initiatives in animal husbandry, dairy, fisheries, and poultry sectors, along with ongoing research and development projects in the animal feed industry, aim to enhance the nutritional value of animal feed and improve animal health.

The animal feed industry faces competition from artificial meat production, which has driven the need to enhance the nutritional value of animal feed products for better outcomes. In line with sustainable consumption practices, initiatives like Sagar Parikrama have been launched to raise awareness about seafood and promote responsible marine fisheries consumption.

Recent Developments

In October 2021, the Sher-E-Kashmir Institute of Innovation, Incubation, and Entrepreneurship Center (SKIIE) of SKUAST-Kashmir, a research-based startup incubated by KashMin, developed a product and faculty startup. This startup focuses on precisely balancing the mineral elements lacking in locally grown fodders, grasses, and other feed ingredients. The goal is to enhance milk and meat production, as well as animal fertility, which heavily relies on proper mineral supplementation.

In March 2022, an Indian-Israeli joint venture deal was established by IBPL, focusing on black soldier flies. These flies are known to produce about 5 lakh kg of protein per acre each year. Their products provide sustainable nourishment for domesticated crops and animals while minimizing waste. The larvae of these flies thrive on components derived from recycled feed.

In February 2023, the American Feed Industry Association and the National Grain and Feed Association expressed their support for a Memorandum of Understanding between feed regulators and the Food and Drug Administration. This support was shown during an FDA hearing session.

In Feb-2023, The MSD Animal Health is getting ready to unveil a redesigned platform to forecast poultry health, stop disease, and boost performance.

As part of Cargill's offering of research capabilities, feed goods, and services to the agricultural industry, an agreement has been made to utilize Si-Ware's Neo Spectra platform by Cargill's North American dairy teams. This platform enables on-site analysis of forages, feeds, and feed ingredients. The device's optical components and Michelson interferometer are permanently aligned lithographically on-chip, thanks to SiMOST, the company's silicon integrated micro-optical system technology. This proprietary method facilitates integration into platforms for both qualitative and quantitative material analysis.

Market Segmentation

Global Nutritional Ingredients in Animal Feed Market is segmented based on nutrition type, animal type, source, and region. Based on the Nutrition Type, the market is fragmented into proteins, vitamins, amino acids, enzymes, acidifiers, antibiotics, antioxidants. Based on the animal type, the market is fragmented into poultry, cattle, fish, and others. Based on source, the market is fragmented into corn, wheat, soyabean meal, fish, oats, alfalfa, and others. Based on region, the market is divided into North America, Europe, Asia Pacific, South America, and Middle East & Africa.

Market Players

BASF SE, Ingredion Inc, Barentz, Cargill Inc, Altech Corp, DSM N.V , Kerry Group. are some of the key players in the Global Nutritional Ingredients in Animal Feed Market.

Report Scope:

In this report, Global Nutritional Ingredients In Animal Feed Market has been segmented into the following categories, in addition to the industry trends, which have also been detailed below:

Nutritional Ingredients In Animal Feed Market, By Nutrition Type:

Proteins

Vitamins

Amino acids

Enzymes

Acidifiers

Antibiotics

Antioxidants

Nutritional Ingredients in Animal Feed Market, By Animal Type:

Poultry

Cattle

Fish

Others

Nutritional Ingredients in Animal Feed Market, By Source:

Corn

Wheat

Soyabean meal

Fish

Oats

Alfalfa

Others

Nutritional Ingredients In Animal Feed Market, By Region:

North America

United States

Mexico

Canada

Europe

France

Germany

United Kingdom

Spain

Italy

Asia-Pacific

China

India

South Korea

Japan

? Australia

South America

Brazil

Argentina

? Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive landscape

Company Profiles: Detailed analysis of the major companies present in Global Nutritional Ingredients in Animal Feed Market

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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