

Feed Prebiotics - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2017 - 2029

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Report description:

The Feed Prebiotics Market size is estimated at USD 2.84 billion in 2024, and is expected to reach USD 3.65 billion by 2029, growing at a CAGR of 5.15% during the forecast period (2024-2029).

- The global feed prebiotics market has been witnessing significant growth, and in 2022, it reached a value of USD 2.58 billion, reflecting a remarkable increase of 29.5% during the period 2017-2022. The market growth can be attributed to the surge in livestock population and the growing concerns about animal health in the animal industry.
- Among feed prebiotics, inulin is the most extensively used prebiotic in animal feeds, accounting for a market value of USD 644.9 million in 2022. Poultry birds consume a significant proportion of the global feed inulin market, representing 58% of the total market share. Dietary supplementation of poultry feeding with inulin has been found to modulate intestinal microbiota, resulting in the quick proliferation of beneficial Bifidobacterium and Lactobacillus strains.
- Xylo oligosaccharides and galacto oligosaccharides are the other major prebiotics used in the animal industry, accounting for market values of USD 580 million and USD 566.4 million, respectively. These prebiotics have been found to improve nutrient digestibility and immune responses, which translate into improved production performance. Other prebiotics, such as lactulose, fructo oligosaccharides, mannan oligosaccharides, and others, accounted for USD 790.8 million value in the prebiotics market.
- The Asia-Pacific region is the largest consumer of feed prebiotics, accounting for more than 50% of the global animal population, mainly due to the increased animal and feed production in the region.
- With the increasing demand for meat and livestock products for domestic consumption and the rising awareness regarding the nutritional benefits associated with additives consumption, the feed prebiotics market is anticipated to experience a CAGR of 5.1%

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during the forecast period.

- The global feed prebiotics market is rapidly gaining traction due to the growing awareness of the benefits of using feed prebiotics in animal feed. Prebiotics are added to compound feed to increase feed efficiency, offer resistance against pathogenic bacteria, and provide nutrition to beneficial microorganisms in the gut.
- The global feed prebiotics market accounted for almost 7.8% of the global feed additives market in 2022. Asia-Pacific was the largest region, with a market value of USD 0.8 billion, due to the higher penetration rate and feed production. The United States emerged as the largest country in the global market, accounting for 18.1% in 2022, due to extensive commercial animal cultivation and the country's focus on implementing new production practices in animal farms. Due to their higher compound feed production, China and Brazil held market shares of 13.9% and 7.1% in 2022, respectively.
- Poultry birds and swine were the largest animal types in the global feed prebiotics market, accounting for 46.2% and 25.2% in 2022, respectively, due to the significance of prebiotics in increasing animal productivity. Therefore, the higher usage of prebiotics as antibiotics is expected to drive the market at a CAGR of 5.1% during the forecast period.
- The global feed prebiotics market is projected to record significant growth in the coming years, driven by the increasing demand for animal protein, the rising focus on improving animal health and productivity, and the growing adoption of prebiotics as an alternative to antibiotics in animal feed.

Global Feed Prebiotics Market Trends

High demand for animal protein and poultry products such as eggs with increasing investment in poultry sector is increasing poultry population

- The poultry population has witnessed a significant increase in recent years, primarily due to the growing demand for chicken meat and eggs in daily diets. The shift toward poultry products has been driven by the increasing prices of other meat, such as pig meat, in the United States. The consumption of eggs in Europe, for instance, increased by 4.6% between 2017 and 2021, accounting for 6,135 metric ton in 2021.
- Asia-Pacific is the largest producer of poultry birds, with production increasing by 6.6% in 2022 compared to 2017. The rise in poultry production is due to the growing demand for animal protein following the outbreak of African Swine Fever, which has reduced the supply of pork meat. China, which accounts for 40% of global production, has more than 900 million stock-laying hens, and the largest layer poultry farming center can hatch 60 million chicks per year.
- The Middle East region is also expected to witness growth in poultry production in the forecast period (2023-2029). Companies such as Almarai in Saudi Arabia have invested heavily in the sector, with USD 1.12 billion spent on establishing new farms to expand production.
- The increasing demand for poultry products, coupled with rising investments in the poultry sector, is expected to strengthen the growth of feed production. This, in turn, is expected to drive the demand for feed additives in the global market during the forecast period. Overall, the poultry industry is poised for significant growth in the coming years, driven by the shift toward poultry products and increasing investments in the sector.

The growing demand for seafood consumption in Asia-Pacific and South America, and government initiatives is increasing the feed

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production for aquaculture species

- The demand for feed is rapidly increasing due to the expansion of aquaculture, which is driving the growth of compound feed production. In 2022, compound feed production increased by 13.1% from the previous year, and fish feed production increased by 46.3% between 2017 and 2022. The rise in consumption of fish feed is driven by the need to maintain and improve the performance of aquatic animals and increase productivity to meet the growing demand for seafood.
- Fish feed accounted for 73.2% of the global market in 2022, as fish is highly consumed and produced in the Asia-Pacific region. Shrimp and other aquatic species follow fish in the global market, with shrimp being highly imported by countries in the European region and the United States from other regions. To meet the growing demand for seafood, countries are focusing on the expansion of aquaculture production. For instance, India increased its budget allocation to the department of fisheries from USD 114.1 million in 2020 to USD 168.8 million in 2021 to increase production, which is expected to boost the demand for feed during the forecast period.
- South America is also experiencing an increase in feed production, which has risen by 46.4% in 2022 from 2017 to reach 5.1 million metric ton due to the expansion of aquaculture farming. The region is one of the major seafood-consuming regions, and the increasing demand for seafood is driving the growth of aquaculture production.
- As aquaculture continues to expand to meet the growing demand, the development of the industry and a focus on its expansion are expected to fuel the growth of feed production. This increase in feed production for aquatic species is expected to aid in the growth of the aquatic segment during the forecast period.

Feed Prebiotics Industry Overview

The Feed Prebiotics Market is fragmented, with the top five companies occupying 26.04%. The major players in this market are Alltech, Inc., Biochem Zusatzstoffe Handels- und Produktionsgesellschaft mbH, DSM Nutritional Products AG, Land O'Lakes and Vetanco (sorted alphabetically).

Additional Benefits:

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

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