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Feed Enzymes Market by Type (Phytase, Carbohydrase, and Protease), Livestock (Poultry, Swine, Ruminants, and Aquatic Animals), Source (Microorganism, Plant, and Animal), Form (Dry and Liquid), and Region - Global Forecast to 2025

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Abstracts

“Growing government regulations pertaining to animal safety and increasing demand for safer dairy and meat products are set to drive the feed enzymes market.”

The global feed enzymes market size is estimated to be USD 1.3 billion in 2020 and is projected to reachUSD 1.9 billion by 2025, at a CAGR of 8.1% during the forecast period. The market has a promising growth potential due to several factors, including the stringent safety regulations on livestock safety across the globe, increasing demand for meat and dairy products among consumers, and rising population with an increasing disposable income in emerging economies.

The application of enzymes as a feed additive has been prevalent for the past 20 years. During this period, the feed enzyme industry came into existence and had undergone several phases of development. The demand for animal-based products is increasing across the globe, with an increase in population and changing lifestyles. The demand for high-protein diets, due to health consciousness, has increased the consumption of meat and other animal-based products. This has contributed to the growth of the feed & feed additives industry.

Growing concerns over food safety and the quality of meat products due to various disease outbreaks have further led to an increase in demand for feed additives. Feed enzymes have also become a significant part of the globally increasing dairy and meat industry. Feed enzymes are feed additives that increase the digestibility of feed to

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improve nutrient availability, thereby leading to the proper growth of livestock; this leads to an increase in the production of animal-based products. Feed enzymes are used to maximize feed utility and quality of products. They also help reduce the feed costs, which is projected to drive the demand for these enzymes. These factors are expected to drive the growth of the market in the next few years.

The recent COVID-19 pandemic is expected to impact the global feed enzyme industry. The entire supply chain is disrupted due to a limited supply of enzymes. Even though the demand for feed has been relatively stable, the supply has been impacted significantly by the COVID-19 pandemic. The movement restrictions and illnesses are resulting in labor shortages and reduced supply of raw materials. The disruption in supply routes has further led to delays in feed supply. However, the demand for feed enzymes in the livestock industry is likely to increase in the first and second quarters of 2020. For instance, as the US government implemented stay-at-home orders, many farmers resorted to panic buying of feed additives in anticipation of potential shortages. Several concerns, such as truck shortages, reduced deliveries, and employees contracting COVID-19, have encouraged breeders to stock their feed supplies and feed enzymes. This has led to an increase in demand for feed enzymes during the first week of April 2020.

“Phytases: The largest-growing segment of the feed enzymes market.”

Phytases are digestive enzymes that release plant phosphorus from phytic acid. Monogastric animals, such as poultry, lack sufficient phytases to release phosphorus. Adding extra phytases to the diet increases phytate breakdown and the consequent utilization of plant phosphorus. Much of the naturally occurring phosphorus in feed ingredients is unavailable to animals. It also promotes higher feed intake, which helps in the growth of animals, leading to better performance. It also helps reduce the amount of phosphorus in manure, thus providing environmental advantages.

“Microorganisms: The largest-growing segment of the feed enzymes market, by feed enzymes source.”

Enzymes extracted from microorganisms are of great importance in the manufacturing of feed. Currently, molecular techniques such as metagenomics and genomics are used to discover microbial enzymes, which are used in the feed industry to improve feed quality. The major advantages associated with microbial enzymes are their economical usage, high stability in extremely reactive conditions, higher production capacity, and their feature to be easily manipulated in the laboratory.

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“Asia Pacific: The largest-growing segment of the feed enzymes market.”

The market in the region is driven by the presence of a large livestock population (FAO 2016) and their growth rate. The increase in the number of feed mills in the region further reflects the growth in feed production, particularly in countries such as India and Japan. The region is also heterogeneous, with diversities in income levels and technological advancements, which lead to meeting the diversified demands of end consumers, to provide superior-quality feed to livestock, leading to enhanced scope for future growth.

Breakdown of primaries

The study contains insights from various industry experts, ranging from raw material suppliers to Tier 1 companies and manufacturers. The break-up of the primaries is as follows:

By Company Type-Tier 1-20-%, Tier 2-40%, Tier 3-40%

By Designation- C level- 30%, Managers- 20%, Executives- 50%

By Region- APAC- 25%, Europe- 40%, North America- 15%, South America-10%, and RoW*- 10%

*RoW includes Middle East & Africa

The feed enzymes market is dominated by few globally established players such as BASF SE (Germany), DowDuPont (US), Koninklijke DSM N.V. (Netherlands), Kemin Industries (US), and Cargill Incorporated (US).

Research Coverage

The report segments the feed enzymes market and forecasts its size, by volume and value, based on region (Asia Pacific, Europe, North America, South America, and RoW), type (Phytase, Carbohydrase, and Protease), Livestock (Poultry, Swine, Ruminants, and Aquatic animals), and Form (Dry and liquid).

The report also provides a comprehensive review of market drivers, restraints,

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opportunities, and challenges in the feed enzymes market. The report also covers qualitative aspects in addition to the quantitative aspects of the market.

Key Benefits of Buying the Report

The report will help the leaders/ new entrants in the market with information on the closest approximations of the revenue numbers for the overall market and the sub-segments. This report will help stakeholders understand the competitive landscape and gain more insights to better position their businesses and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the feed enzymes market and provides them information on key market drivers, restraints, challenges, and opportunities.

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13 COMPANY PROFILES

(Business overview, Products offered, Recent Developments, SWOT analysis, Right to win)*

*Details on Business overview, Products offered, Recent Developments, SWOT

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analysis, Right to win might not be captured in case of unlisted companies.

14 ADJACENT & RELATED MARKETS

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About

The report “Feed Enzymes Market by Type (Phytase, Protease, and Non-starch Polysaccharides (Xylanase, ?-glucanase, Cellulase, Mannanase & Pectinase)), by Livestock (Swine, Poultry, Ruminants, and Aquatic Animals) & by Region - Global Trends & Forecast to 2020” defines and segments the global market with an analysis of the current demand and forecasted consumption in terms of value.

The global market for feed enzymes was valued at $899.19 Million in 2014 and is projected to reach $1,371.03 Million by 2020, at a CAGR of 7.3% from 2015 to 2020.

The market is segmented and market values are forecasted on the basis of major regions, such as North America, Europe, Asia-Pacific, and Rest of the World (RoW). The key countries are covered and their market sizes have been forecasted for each region. Further, the market is segmented and market values are forecasted on the basis of applications.

Feed enzymes have become an essential part of the globally increasing milk & meat industry. Increasing population trends support the milk & meat market globally, thereby leading to a growth in the demand for feed enzymes. Feed enzymes are gaining importance as it leads to better feed conversion by the animal, improved feed quality, and represent an active contribution to animal welfare.

The high-growth potential in emerging markets and untapped regions provides new growth opportunities for market players. The growth of this market is driven by growing customer attention towards superior quality feed grades, which should be balanced and nutritive.

Europe dominated the global market in 2014. The Asia-Pacific region is expected to be the fastest-growing market in the near future owing to the growing milk & meat consumption in the region. According to the 2012 statistical data of livestock, production in China and India is steadily growing which is resulting in increased demand for feed enzymes for pork and poultry industries. This increase in demand for meat protein has triggered the meat production in the Asia-Pacific region, where uptake of feed enzymes has increased and is expected to show healthy growth. Apart from improving the nutritional value of feed, these feed enzymes are gaining importance for their role in feed cost reduction and meat quality improvement.

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In the global scenario, the U.S. is among the top-three producers of feed enzymes. As animal husbandry is developing in the North American region, attention towards favorable feeding patterns for livestock is leading the demand for feed enzymes. The major livestock segments in this region are pork and poultry. The increasing demand for the poultry segment led to a rise in the demand for feed grade supplements, resulting in an increase in the demand for feed enzymes. Royal DSM NV is a major player leading the business of feed enzymes in this market. The American Feed Industry Association governs the market for feed enzymes in this region.

The demand for better and more efficient feed additives, such as enzymes, is expected to increase not only as alternatives to feed antibiotics but also to manage input costs in livestock production. The development of new feed enzymes and direct feed microbial products with customized usage capabilities will act as an opportunity for feed enzymes market players.

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