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India Feed Amino Acids - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2026 - 2031)

Market Report | 2026-01-16 | 181 pages | Mordor Intelligence

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Report description:

India Feed Amino Acids Market Analysis

The India feed amino acids market is expected to grow from USD 2.19 billion in 2025 to USD 2.31 billion in 2026 and is forecast to reach USD 3.01 billion by 2031 at 5.42% CAGR over 2026-2031. Rising household protein intake, rapid livestock industrialization, and government support for organized farming are steering sustained demand for precision nutrition additives. Poultry integrators have moved from crude protein formulas toward crystalline amino-acid-balanced diets that trim feed costs and shrink nitrogen output. In aquaculture, crop?loss concerns and stricter residue limits motivate mills to fortify shrimp and fish rations with digestible methionine and lysine. Parallel capacity additions by global suppliers and Indian fermentation start-ups are building local supply resilience while price volatility in soymeal and corn prompts feed makers to substitute part of the protein matrix with targeted amino acids.

India Feed Amino Acids Market Trends and Insights

Rising Poultry Meat and Egg Consumption

India produces around 118 billion eggs annually, with a rising affinity for egg consumption as a prominent protein source. Commercial broiler companies run phased feeding programs where synthetic lysine and DL-methionine are indispensable for hitting target feed-conversion ratios. The Food Safety and Standards Authority of India banned growth-promoter antibiotics such as colistin and chloramphenicol in April 2025, which pushed integrators to rely on amino-acid-driven performance gains . Demand clusters in Tamil Nadu and Andhra Pradesh anchor dedicated distribution depots and on-farm technical service labs. With urban consumer poultry uptake rising at near 6% annually, the India feed amino acids market maintains a structural growth pillar rooted in this species.

Organized Aquaculture Feed-Mill Expansion

Indian feed mills produced an estimated 1.1-1.15 million metric tons of shrimp feed in 2024, following a dip from the previous cycle, yet long-term prospects stay bullish as exporters target low-antibiotic certification. High-density shrimp ponds require diets fortified with protected methionine to mitigate muscle necrosis and improve feed efficiency. Coastal Andhra Pradesh hosts more than 65 integrated processors that own hatcheries, feed plants, and farms, creating tight supply corridors for amino acid concentrates. Millers are adopting twin-screw extrusion lines that help embed crystalline amino-acid premixes for uniform pellet distribution. Research funded under ICAR (Indian Council of Agricultural Research) has mapped essential amino acid profiles for Indian major carp, guiding wider uptake across freshwater fish segments.

Soymeal and Corn Price Volatility

Feed-grade soymeal touched INR 66,000 (USD 792) per metric ton in mid-2024 before sliding below INR 46,000 (USD 552) by year-end, unsettling nutrient-cost planning in all species. During low-price windows, mills sometimes revert to protein-heavy recipes, diluting amino-acid inclusion. Conversely, sudden spikes squeeze cash flows, delaying new purchase contracts. Smaller mills seldom hedge futures or hold safety stocks, amplifying procurement shocks. This volatility weighs on predictable uptake trajectories and temporarily blunts the India feed amino acids market's expansion momentum.

Other drivers and restraints analyzed in the detailed report include:

Government Subsidies and Import Policy ReliefLow-Protein Diet Reformulation with Crystalline Amino AcidsBIS (Bureau of Indian Standards) and FSSAI (Food Safety and Standards Authority of India) Regulatory Hurdles

For complete list of drivers and restraints, kindly check the Table Of Contents.

Segment Analysis

Lysine dominates the sub-additive segment with 40.85% market share in 2025, reflecting its fundamental role as the first limiting amino acid in most plant-based feed formulations. Its widespread use across poultry, swine, and aquaculture applications makes it the cornerstone of amino acid supplementation programs. The development of molasses-based fermentation capacity in sugar-producing states like Maharashtra and Karnataka is creating opportunities for domestic lysine production, potentially reducing import dependence and improving supply chain resilience.

Methionine represents the fastest-growing segment at 5.56% CAGR through 2031, driven by expanding aquaculture operations and premium poultry formulations targeting improved meat quality and disease resistance. The amino acid's critical role in protein synthesis and immune function makes it particularly valuable in high-performance production systems. Regulatory compliance factors under FSSAI standards are driving demand for pharmaceutical-grade amino acids with enhanced purity specifications, particularly in export-oriented aquaculture operations.

The India Feed Amino Acids Market Report is Segmented by Sub Additive (Lysine, Methionine, Threonine, and More) and by Animal (Aquaculture, Poultry, Ruminants, and More). The Market Forecasts are Provided in Terms of Value (USD) and Volume (Metric Tons).

List of Companies Covered in this Report:

Adisseo Alltech, Inc. Archer Daniels Midland Co. Evonik Industries AG SHV (Nutreco NV) Ajinomoto Co., Inc. Kemin Industries, Inc. IFF(Danisco Animal Nutrition) Prinova Group LLC Novus International, Inc. Cargill Incorporated DSM-Firmenich AG Sumitomo Chemical Co., Ltd. Kyowa Hakko Bio Co., Ltd.

Additional Benefits:

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3 months of analyst support

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Scotts International. EU Vat number: PL 6772247784
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