# China Feed Amino Acid Industry Report, 2010

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## *This report*

- **Analyzes the operating environment, overall situation and development prospect of China's feed amino acid industry.**

- **Focuses on the market supply and demand, import and export, competition pattern and price trend of four major limiting amino acids in animal feed, i.e. lysine, methionine, threonine and tryptophan.**

- **Highlights the operation and development of major erterprises in China's feed amino acid industry.**

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# Abstract

In the feed industry, amino acid is an important nutritional additive whose main role is to compensate for the lack of amino acids in feed, thus saving a lot of high-quality protein feed such as bean cake (dregs) and fish meal, and lowering feed costs. Although the types and proportions of amino acids added are closely related to the feed sources and animal species, in the practical application of feed amino acids, methionine and lysine can occupy up to 80-90%, and other amino acids hold about 10-20 %.

In China, chickens and pigs hold the largest proportion of livestock feeding. According to animal nutrition, methionine is the primary limiting amino acid for chickens, while lysine is the primary limiting amino acid for pigs. In addition, restricted by China's level of livestock feeding economy and self-sufficiency of feed amino acids, it has become increasingly apparent that China's feed amino acid consumption structure is dominated by methionine and lysine, and supplemented by threonine and tryptophan.

China's lysine market entered a mature stage in 2010, with obvious overcapacity and cut-throat competition. Major lysine producers include Changchun Dacheng, Ningxia Eppen Biotech, Anhui BBCA Biochemical and Liaocheng CJ, which accounted for 86.6% of the total output in 2009.

However, restricted by technical barriers, domestic methionine production is inadequate. In 2010, Chongqing Unis Chemical was the only domestic supplier of commercial feed methionine, and the market was dominated by German Degussa, Japanese Sumitomo and French Adisseo (acquired by China National BlueStar).

In 2010, feed threonine production reached about 152,000 tons. Although there was excess capacity, it mainly resulted from the limiteddownstream feed application due to high prices. The tryptophan market was restricted by both technology and application, so the development was slow. China's tryptophan capacity exceeded 3,000 tons in 2010, but the actual output was not large.

Changchun Dacheng, Ningxia Eppen Biotech and Anhui BBCA Biochemical are actively expanding their existing feed amino acid production scale, and improving the product mix distribution. These companies have been able to produce at least two types of feed amino acids.

This Report not only analyzes the operating environment, overall situation and development prospect of China's feed amino acid industry, but also delves into the market supply and demand, import and export, competition pattern and price trend of four major limiting amino acids in animal feed, i.e. lysine, methionine, threonine and tryptophan.

**China's Major Feed Amino Acid Producers and Capacities, 2010**

**(Unit: ton)**

| Type | Producer | Capacity |
|---|---|---|
| Methionine | Chongqing Unis Chemical Co., Ltd. | 10,000 tons/year methionine project phase I was successfully put into production in April 2010, and the rest 40,000 tons are under construction |
| Lysine (98.5% of capacity) | Changchun Dacheng Group | 245,000 |
| | Ningxia Eppen Biotech Co., Ltd. | 116,000 |
| | CJ (Liaocheng) | 60,000 |
| | Anhui BBCA Biochemical Co., Ltd. | 46,000 |
| | Shandong Shouguang Juneng Group Golden Corn Co., Ltd. | 43,000 |
| Threonine | Star Lake Bioscience Co., Inc. Zhaoqing Guangdong | 30,000 |
| | Changchun Dacheng Group | 40,000 |
| | Meihua Group | 35,000 |
| | Ningxia Eppen Biotech Co., Ltd. | 15,000 |
| | Shandong Fufeng | 15,000 |
| | Zhejiang Guoguang | 12,000 |
| | NB Group | 10,000 |
| Tryptophan | Zhejiang Shenghua Biok Biology Co., Ltd. | 200 |
| | Henan Julong Starch Industrial Co., Ltd. | 500 |
| | Shandong Lukang Pharmaceutical Group Co., Ltd. | 2,000 (the actual capacity is 500 tons at present) |
| | Anhui BBCA Biochemical Co., Ltd. | 1,000 (put into production in 2010) |
| | Changchun Dacheng Group | 1,000 (put into production in 2010) |

Source: ResearchInChina

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