





Amino Acid Monthly Report

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[Preface]

Market overview

The production of threonine and lysine will continue to be affected by power and coal restrictions brought about by the double control policy of carbon emission control, so the market inquiry is frequent and the trading volume remains stable.

At present, the market is changing fast, although the downstream demand is not strong, but under the impact of power restrictions and dual control measures, the epidemic emanating from many places, the snowstorm in some northern areas, overlapping with the vehicle capacity is diverted to coal transportation, the factory delivery speed is seriously affected, with tight supplyment, the market spot inquiry is still very active.

> Terminal overview in China

After the weather turned cold, the demand increased, plus the number of newly born piglets dropped slightly this summer, prices of pigs rebounded under the influence of both supply and demand.

From the consumption side, the weather turned cooler in November, and the enrichment in the north and the pickling in the south started one after another, which supported the rise of pig prices.

From the supply side, from June to August, there was a wave of African swine fever epidemic in the south, which led to the damage of some pig production capacity, plus the early pig market has been in the loss state, some retail households and group pig farms began to reduce their own pig slaughter weight, to the current peak consumption season, and the extreme need for fat pigs above 140 kg, but the market shortage is larger, promoting this wave of rising pig prices.

According to the official data, this wave of rise is not cyclical and trendy, and the



current pig production capacity level is still at a high level, so it is only a phase rebound. It is expected that the fat pigs listed in the fourth quarter of this year to the first quarter of next year will still grow significantly year-on-year, and the relative oversupply of pigs will continue for a period of time. In the off-season of consumption after the Spring Festival next year, pig prices may continue to go down and cause losses in pig farming.



Threonine

The manufacturer's quotation is firm, the market price is basically stable, and the purchase and sales are light.European market prices continued to rise strongly, reaching a new high since December 2014.

The export price of domestic threonine is good. Mainstream enterprises have tight supply and slow delivery, the quotation of some enterprises has been raised. Some enterprises tie-in selling with high and low price together. The quotation in the trade market is around USD1950/MT. The market supply price is high, and the trade price is mainly stable in the short term.

Lysine Hcl

The corn is keeping stable and predicted to be weak later this month. However due to the recent national policy- electricity curtailment, chemical ingredient production will enter a new tight cycle with upcoming Q4 purchase season. Futures products are little cost-effective than spot products, current market price is around \$1850-\$2000/MT and it is predicted to be stable this month.

Lysine Sulphate

Manufacturers' supply is tight and offers are stable and rising.

Lysine sulfate offers from Western sources in the European market rose to 2.20-3.30 eur/kg; lysine sulfate orders from Chinese sources were offered at 1.00-1.10 eur/kg.

Manufacturers' willingness to hold prices is strong and delivery is slow, with some companies locking forward orders. The slow delivery progress of manufacturers stimulates the market to replenish goods on demand in a timely manner, and pay attention to the recent market price changes and manufacturers' production situation.



Valine

European market offer rose to 7.00-8.00 Euro/kg.

Manufacturers shipping-oriented, limited orders, local area prices are higher, manufacturers offer at usd3.7/kg, the actual transaction price The price of valine in the trade market was quoted at usd3.65/kg, the local price was slightly higher and the purchase and sale was relatively low. However, the price difference between European market and Chinese domestic market is large. The current valine market price is relatively high, and the price increase inhibits the end consumption.

Tryptophan

Non-Chinese sources in the European market are quoting 9.50-10.00 euros/kg.

Production in the industry has resumed one after another, and manufacturers' quotations have been stable. The prices of XMXYG, CJ, JULONG, and Fufeng are all at \$8.5-9/kg. Trade market quotations are at \$8.45-8.9/kg, market purchases and sales continue to be weak, and local prices are slightly lower. It is expected that short-term trade market prices will remain firm and stable under manufacturers' prices.

Methionine

The price is relatively stable this month, and market price is around USD 2.8-2.9/KG. The factory are mainly executes early orders. The market heat has decreased while the inquiry is flat, and some traders are actively to sell. However, the delivery of the manufacturer is still slow, thus it is necessary to continue to pay attention to the production status of the manufacturer.







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