

Nutrition and Health Management Policy

I. Purpose

Inner Mongolia Shengmu High-Tech Dairy Co., Ltd. (hereinafter referred to as "the Company") is committed to providing scientifically sound dietary formulations for dairy cows and conducting research on cow and milk nutrition. This policy aims to enhance the health and production performance of dairy cows through scientific nutrition management and research, ensuring the quality and safety of milk.

II. Responsibilities of the Nutrition Center Department

1.

New Material Development, Verification, and Evaluation

2.

1. Actively develop new materials and effective additives, conducting field trials on farms to reduce feeding costs and enhance lactation performance.
2. Conduct market research on feed ingredients, design research trial plans, carry out experiments, evaluate results, and scale up successful projects.

3.

Project Implementation

4.

1. Collaborate with universities and other partners to conduct research projects.
2. Plan and coordinate preliminary work, including trial design, trial periods, and resource requirements.
3. Monitor trial progress, collect data, and ensure data accuracy and timeliness.
4. Analyze data and write trial reports, ensuring objective and accurate conclusions.
5. Address any abnormalities occurring during the trials.

5.

Project Promotion and Application

6.

1. Promote and apply project results based on completion status, sharing experiences.
2. Collect and organize literature, compile materials for product intellectual property, and apply for projects.
3. Publish papers in core journals based on project outcomes.

7.

Formulation Revision, Implementation, and Management

8.

1. Create and distribute formulation sheets as required by the Nutrition Department General Manager and external teams.
2. Preserve and manage confidential documents related to formulations.
3. Verify that feed quantities match the formulations based on production reports.
4. Maintain formulations and production versions in the SAP system.
5. Monitor the implementation of new formulations and farm deliveries.
6. Track raw material prices, supply quantities, and testing indicators to provide a basis for formulation adjustments.

9.

Formulation-related Data Calculation

10.

1. Calculate the cost per unit of the current formulation weekly based on changes in bulk raw material prices, comparing with previous prices.
2. Calculate the cost and nutritional indicators of new formulations after any changes in concentrate feed formulations.
3. Calculate the theoretical cost of finished feed monthly based on raw material prices, comparing with financial settlement prices and analyzing discrepancies.
4. Calculate the intake of trace elements and minerals for different cattle stages.

11.

Issuing Finished Feed Quality Standards

12.

1. Issue quality standards (protein, moisture, ash) for each formulation of self-produced finished feed, providing a basis for quality management to determine the pass rate of finished feed.
2. Investigate and trace production issues in the feed factory based on feedback from farms regarding finished feed quality.

13.

Raw Material Procurement-related Work

14.

1. Issue customized core premix formulations quarterly.
 2. Issue monthly production formulations to guide raw material procurement plans.
 3. Calculate quarterly/annual feed ingredient usage.
 4. Measure indicators and usage of special raw materials.
- 15.

Handling Abnormal Inventory in Feed Factory

- 16.
1. Develop consumption plans for expired, near-expiry, or long-unused materials.
 2. Monitor procurement plan quantities, delivery quantities, and production usage quantities to promptly identify abnormal inventory materials.
- 17.

Formulating Solutions for Non-conforming Products

- 18.
1. Develop plans for reprocessing non-conforming products due to formulation execution errors or abnormal test indicators, minimizing impact.

III. Formulation and Implementation of Nutritional Plans

- 1.

Diet Formulation Design

- 2.
1. Design dietary formulations based on the nutritional needs and health status of dairy cows by nutrition researchers.
 2. Regularly review and optimize dietary formulations to ensure they are scientific and reasonable.
 3. Ensure formulations comply with Chinese organic certification and EU organic certification standards.
- 3.

Health Monitoring

- 4.

1. Quality monitors track daily health indicators of dairy cows, including milk protein, milk fat, somatic cells, and microorganisms.
2. Summarize and analyze health indicators of each farm monthly to adjust nutritional plans promptly.
- 5.

Preventive Nutrition Design

6.
 1. Develop preventive nutritional plans targeting metabolic diseases in dairy cows to reduce disease incidence.
 2. Focus on postpartum nutritional management to ensure rapid recovery and health.

IV. Research and Innovation

- 1.

Development of Functional Milk

2.
 1. Conduct research projects on organic milk, DHA milk, A2 milk, selenium-enriched milk, and other functional milk.
 2. Enhance the nutritional value and market competitiveness of milk through scientific innovation.
- 3.

Development of New Feeding Methods

4.
 1. Explore new feeding methods to improve cow comfort and production performance.
 2. Continuously optimize feeding management to reduce cow stress.

V. Training, Development, and Performance Evaluation

- Organize regular training sessions on nutrition knowledge and techniques to improve employee expertise and skills. Stay updated with the latest industry trends and technologies through internal training and external learning.

- Conduct quarterly performance evaluations, including health indicators of dairy cows, research achievements, and the execution of nutritional plans. Use evaluation results as a basis for employee recognition and promotion.

VI. Conclusion

Inner Mongolia Shengmu High-Tech Dairy Co., Ltd. is committed to the highest standards and most responsible practices in executing the Nutrition and Health Management Policy. By designing daily rations for dairy cows and conducting research on cow and milk nutrition, we aim to contribute positively to the development of the nutrition and health industry through the efforts of our Nutrition Center and related departments and the support of society.