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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 47364-2026

Nutrient requirements of beef cattle

肉牛营养需要量

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed by the Ministry of Agriculture and Rural Affairs of the People's Republic of China. This document is under the jurisdiction of the National Technical Committee on Standardization of Animal Husbandry (SAC/TC274). This document was drafted by: China Agricultural University, Sichuan Agricultural University, Jiangxi Agricultural University, Beijing University of Agriculture, and Heilongjiang Academy of Agricultural Sciences. Animal Husbandry Research Institute, Jilin Agricultural University, Jilin Academy of Agricultural Sciences, Qinghai University, Beijing Doudian Hengsheng Animal Husbandry Technology Co., Ltd., Fuxin Kewei Biotechnology Co., Ltd., Changchun Borui Technology Co., Ltd., Beijing Dabeinong Technology Group Co., Ltd., Inner Mongolia Muquan Yuanxing Feed Co., Ltd., Shenyang Hefeng Ruminant Feed Co., Ltd., Henan Zhe Niu Livestock Co., Ltd., Hulunbuir Meat Industry (Group) Co., Ltd. The main drafters of this document are. Zhou Zhenming, Meng Qingxiang, Wu Hao, Wang Zhisheng, Qu Mingren, Ge Xiang, Sun Fang, Meng Fanbo, Li Yanling, and Zhen Yuguo. Zhang Yuanqing, Zhang Shuzhi, Li Xiangzi, Chai Shatuo, Liu Shujie, Dong Xiaoling, Yang Qi, Cao Yangchun, Liu Tingjiang, Liu Guirui, Li Qiufeng, Xue Feng, Ding Gengzhi Shi Fenghua, Geng Chunyin, Guo Wangshan, Yan Xiaogang, Chen Shengyang, Li Zhimin, Sun Tao, Zhang Yuewen, Zeng Hongbin, Shao Kun, Chai Guoxiang, Xiong Ling, Chen Rulong Sun Wuwen, Xin Liang, Zhou Xinliang, Yan Cunbing, Yi Xin, Zhou Zhiyu, Deng Ziqi, Meng Xin, Hu Rui. Nutritional requirements for beef cattle

1 Scope

GB/T 47364-2026 is the Chinese national standard covering what a beef animal needs to eat - the energy, protein, minerals and vitamins by weight, growth rate and physiological state, in the tables a nutritionist formulates a ration from. At 29,000 words it is a reference work rather than a specification, and it is China's counterpart to the NRC tables. First edition, in force since 1 October 2026. It was issued on 31 March 2026 and takes effect on 1 October 2026, as a first edition. The document is under the responsibility of the Ministry of Agriculture and Rural Affairs. This page is published from the official record of the 2026 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document specifies the nutritional requirements for small, medium, and large-sized beef cattle. This document is applicable to guide feed companies and various types of farms (households) in the formulation, feeding management, and nutritional assessment of beef cattle rations.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 10647 Terminology for the Feed Industry

3 Terms and Definitions

The terms and definitions defined in GB/T 10647 and the following terms and definitions apply to this document.

3.1 Nutrient requirements The minimum amount of nutrients required by an animal to maintain normal physiological functions, physical health, and achieve specific production performance. [Source: GB/T 10647-2008, 2.23, with modifications]

3.2 Small frame-type beef cattle Cows with a mature weight of 300 kg or less, and bulls with a mature weight of 450 kg or less. Note

1. Mature weight refers to the weight of an infant at 48 months of age and above. Note

2. Representative breeds include Jinjiang cattle, Leiqiong cattle, Wuling cattle, Wenshan cattle, and their hybrids.

3.3 medium-frame type beef cattle Cows with a mature weight of 300kg~550kg, and bulls

with a mature weight of 450kg~780kg. Note

1.Mature weight refers to the weight of an infant at 48 months of age and above. Note

2.Representative breeds include Qinchuan cattle, Yanbian cattle, Nanyang cattle, Yunling cattle, Angus cattle, Hereford cattle and their crossbreeds, etc.

3.4 Large-frame type beef cattle Cows with a mature weight greater than 550 kg and bulls with a mature weight greater than 780 kg. Note

1.Mature weight refers to the weight of an infant at 48 months of age and above. Note

2.Representative breeds include Chinese Simmental, Huaxi, Xianan, Limousin, Charolais, Belgian Blue and their crossbreeds.

3.5 calf Cattle from birth to 6 months of age.