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## 剩余采食量效应：评价肉牛营养与饲养过程中饲料转化率的指标

钟晓琳, 高腾云, 翟磊

河南农业大学牧医工程学院, 郑州 450002

## Residual Feed Intake: A Measurement of Feed Efficiency in Beef Cattle Nutrition and Feeding

ZHONG Xiaolin, GAO Tengyun, ZHAI Lei

College of Veterinary and Animal Science, Henan Agricultural University, Zhengzhou 450002, China

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摘要 剩余采食量效应 (RFI) 是评估肉牛饲料转化效率的一个新指标。本文从RFI的定义、影响RFI的生理基础、RFI与甲烷排放量的关系、RFI的经济效益、RFI的遗传力与遗传相关及RFI分子标记研究进展等方面对肉牛净进食效应的相关研究进行了综述。

关键词: 剩余采食量效应 饲料转化效率 肉牛

Abstract: Residual feed intake (RFI) is a new measurement to assess feed conversion ratio of beef cattle. The article introduced briefly researches related to net feed intake of beef cattle from the following aspects: the definition of RFI, the physical basics affecting RFI, the relationships between RFI and methane emission, economic implications of RFI, hereditary capacity and genetic correlation of RFI and research advances on the relative molecular markers of RFI.

Keywords: residual feed intake, feed conversion ratio, beef cattle

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通讯作者 高腾云, 教授, 博士生导师, E-mail: dairycow@163.com Email: dairycow@163.com

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