

中国牛业科学

CHINA CATTLE SCIENCE

(原黄牛杂志)

双月刊 1975年创刊

2024年第50卷第6期总第253

期 2024年12月

主管单位

中华人民共和国教育部

主办单位

西北农林科技大学

中国良种黄牛育种委员会

编辑出版

《中国牛业科学》编辑部

通讯地址

陕西杨凌西北农林科技大学北校区

动物科技学院内,邮编:712100;电

话:029-87091423;传真:029-

87092164;E-mail:huangn2002813@

aliyun.com;QQ:810620920

印刷单位

陕西森奥印务有限公司

国内总发行

全国各地邮局

主 编

陈 宏

执行副主编

张 琪

责任编辑

张 琪

英文编辑

王 昕

邮发代号:52—113

广告许可证:咸工商广字03—104

协办单位

中国西门塔尔牛育种委员会

陕西省秦川牛产业协会

云南省草地动物科学研究院

目 次

- 论 坛 · 宁夏肉牛产业发展现状及纾困建议 咎林森,杨武才(1)
- 科学试验 · 秦川牛发情周期内激素水平的变化以及胎次差异
... 杨本顺,叶苗苗,周正海,张志鹏,马文玲,张涛平,咎林森,杨武才(4)
- 延黄牛 *PLK2* 基因第6外显子多态性及与肌肉氨基酸、脂肪酸含量的关联
分析 方文文,杨少滢,刘 宇,缪立生,赵玉民,曹 阳(9)
- 运用线性回归模型预测不同月龄肉用褐牛体重
..... 陈素梅,刘 梦,张雨夏,王 骁,
陈文中,苏 楠,王思翰,王文景,崔繁荣,叶治兵,马 桢,闫向民(14)
- 西门塔尔牛、褐牛与新疆天山牦牛的杂交效果比较研究
..... 袁立岗,柳 炜,徐晶晶(28)
- 安格斯牛与6个不同肉牛品种的杂交效果研究
..... 杨国荣,鲁金强,邓成松,吴绍伟,姜 山,杨世鹏,张松梅(31)
- 弗莱威赫杂交牛育肥生产和屠宰性能测定及分析
..... 龚飞飞,邵陶祺,黄新宇,刘 佳,徐 唱(36)
- 宏基因组测序技术在肉牛疫病检测中的应用研究
..... 刘文进,李兆龙,杨海峰,赵 璐(40)
- 牛粪有氧生物发酵及主要影响因素试验研究
..... 何茂昌,杨军祥,郭海龙,罗 琰,高 博,王燕燕,石福岳,尚 涛,李 斐(45)
- 探究维生素 ADE 对母牛繁殖性能影响的研究
..... 王思翰,马 桢,叶治兵,崔繁荣,闫向民(50)
- 不同混合青贮对西门塔尔肉牛生长性能的影响
..... 段军红,白晶晶,孔垂永,田宗祥,郭 宪(54)
- 添加复合益生菌对不同品种育肥牛生长性能、肠道菌群及血清生化指标
影响 潘伊微,李 文,周斐然,蔡树东,刘增照,罗生金(59)
- 短角牛无角及红毛性状提纯选育初报
..... 邵学芬,耿文诚,董正勋,向必勇,朱胜全(66)
- 新安江水牛的生长发育规律
..... 金 海,许 娟,赵拴平,贾玉堂,刘 峻,李永胜,徐 磊(71)
- 专 论 · 武威市奶产业发展现状及建议
..... 张开栋,杨伟刚,王 桃,魏晓燕,李晓燕(76)
- 陇东南部林缘山区肉牛产业发展现状、问题及对策
..... 岳贝凡,白美婷,冯艳丽(79)
- 贵州省肉牛屠宰加工发展问题分析及对策建议
..... 欧 娟,李子建,詹 瑜,付 杰,饶 珈,王 培,史 琼(83)
- 临夏市牛羊全链条发展现状及对策建议 王建林(87)
- 德州市奶业高质量发展对策研究 张吉猛,宋凤香,张春雷(90)
- 肉牛产业创新路 三产融合促发展 刘宽峰(92)
- 综 述 · 新疆褐牛分子生物学和组学研究进展 王 骁,
马 桢,高 亮,谢鹏贵,苏 楠,陈文中,张雨夏,闫向民,陈雪松(94)
- 调查研究 · 麟游县牛羊寄生虫发病情况的调查研究 张 静(102)
- 初产母牛产后截瘫的诊治报告 杨 振,李豪杰,郭小萍(105)
- 技术推广 · 浅谈省外引牛检疫规程 毛力权(109)
- 牛病防治 · 牛热射病的诊断与防治技术 范富辉,黄浩晟(111)
- 其 它 · 基于 Cite Space 对培植牛黄的研究现状分析
..... 高明彦,吴闽建,余春生,孙国志,胡 伟,张永明(114)
- 信 息 · 2025年全国畜牧兽医期刊征订目录 (封二)
- 公益广告 (封三)

CHINA CATTLE SCIENCE

(Formerly the Journal of Yellow Cattle)

(Bimonthly, started in 1975)

(2024, Vol. 50, No. 6 (total 253), Dec, 2024)

Department in Charge

Ministry of Education of the People's Republic of China

Sponsored by

Northwest A&F University

Chinese Yellow Cattle Breeding Committee

Edited and Published by

Editorial Department of China Cattle Science

Address

College of Animal Science and Technology, Northwest A&F

University, Yangling, Shaanxi, China. Postcode: 712100,

Tel: 029-87091423; Fax: 029-87092164;

E-mail: huangn2002813@aliyun.com; QQ: 810620920

Printed by

Senao Printing Limited Company of Shaanxi

Distributed in China by

Post Offices in China

Editor-in-Chief

Prof. Dr. Chen Hong

Director of the Editorial Department

ZHANG Qi

Responsible Editor

ZHANG Qi

English Editor

Prof. Dr. WANG Xin

Code of Post Office Distribution: 52-113

License of Advertisement: Xian Industrial and

Commercial Ad No. 03-104

Assisted by

Breeding Committee of Chinese Simmental Cattle

Association of Qinchuan Cattle Industry

Yunnan Academe of Grassland and Animal Science

Main Contents

Current Status of the Beef Cattle Industry in Ningxia and Suggestions for Alleviating Difficulties	ZAN Lin-sen, YANG Wu-cai(1)
The Variations of Hormone Levels During the Estrous Cycle in Qinchuan Cattle and Parity Differences	YANG Ben-shun, YE Miao-miao, ZHOU Zheng-hai, ZHANG Zhi-peng, MA Wen-ling, ZHANG Tao-ping, ZAN Lin-sen, YANG Wu-cai(4)
Polymorphism of Exon 6 of <i>PLK2</i> Gene and its Correlation with Amino Acid and Fatty Acid Content in Muscle of Yanhuang Cattle	
FANG Wen-wen, YANG Shao-ying, LIU Yu, MIAO Li-sheng, ZHAO Yu-min, CAO Yang(9)	
A Linear Regression Model was Used to Predict the Weight of Brown Cattle for Meat at Different Ages	CHEN Su-mei, LIU Meng, ZHANG Yu-xia, WANG Xiao, CHEN Wen-zhong, SU Nan, WAN GSi-han, WANG Wen-jing, CUI Fan-rong, YE Zhi-bing, MA Zhen, YAN Xiang-min(14)
Comparison of Crossbreeding Effects between Simmental Cattle, Brown Cattle, and Xinjiang Tianshan Yak	YUAN Li-gang, LIU Wei, XU Jing-jing(28)
Preliminary Study on Fertility Performance and Birth Weight of Yangrui Cattle	YANG Guo-rong, LU Jin-qiang, DENG Cheng-song, WU Shao-wei, JIANG Shan, YANG Shi-peng, ZHANG Song-mei(31)
Performance Measurement and Analysis on Fattening Production and Slaughtering of Fleckvieh Hybrid Cattle	GONG Fei-fei, SHAO Tao-qi, HUANG Xin-yu, LIU Jia, XU Chan(36)
Research on the Application of Metagenomic NGS Technology in Detecting Major Diseases of Beef Cattle in Changji Prefecture of Xinjiang	LIU Wen-jin, LI Zhao-long, YNAG Hai-feng, ZHAO Lu(40)
Study on Aerobic Biological Fermentation of Cattle Manure and Its Influencing Factors	HE Mao-chang, YANG Jun-xiang, GUO Hai-long, LUO Yan, GAO Bo, WANG Yan-yan, SHI Fu-yue, SHANG Tao, LI Fei(45)
Exploring the Effect of Vitamin ADE on Reproductive Performance of Cows	WANG Si-han, MA Zhen, YE Zhi-bing, CUI Fan-rong, YAN Xiang-min(50)
Effects of Different Levels of Mixed Silage of Alfalfa and Corn Straw on Growth Performance, Slaughter Performance, Meat quality and Breeding Benefits of Simmental Beef Cattle	DUAN Jun-hong, BAI Jing-jing, KONG Chui-yong, TIAN Zong-xiang, GUO Xian(54)
The Effect of Adding Composite Probiotics on the Growth Performance, Gut microbiota, and Serum Biochemical Indicators of Different Breeds of Fattening Cattle	PAN Yi-wei, LI Wen, ZHOU Fei-ran, CAI Shu-dong, LIU Zeng-zhao, LUO Sheng-jin(59)
Preliminary Report on the Purification and Breeding of Hornless and Red Coat Traits in Shorthorn	SHAO Xue-fen, GENG Wen-cheng, DONG Zheng-xu, XIANG Bi-yong, ZHU Sheng-quan(66)
The Growth and Development Patterns of Xin'anjiang Buffalo	JIN Hai, XU Juan, ZHAO Shuan-ping, JIA Yu-tang, LIU Jun, LI Yong-sheng, XU Lei(71)
Development Status and Suggestion of Milk Industry Development in Wuwei City	ZHANG Kai-dong, YANG Wei-gang, WANG Tao, WEI Xiao-yan, LI Xiao-yan(76)
Present Situation, Existing Problems and Development Countermeasures of Dairy Cow Industry in Mountain Forest Edge of Southeastern Gansu	YUE Bei-fan, BEI Mei-ting, FENG Yan-li(79)
Progress in Molecular Biology and Omics Studies of Xinjiang Brown Cattle	WANG Xiao, MA Zhen, GAO Liang, XIE Peng-gui, SU Nan, CHEN Wen-zhong, ZHANG Yu-xia, YAN Xiang-min, CHEN Xue-song(94)
Investigation and Study on the Incidence of Parasitic Diseases of Cattle and Sheep in Linyou County	ZHANG Jing(102)
Diagnosis and Treatment Report of Postpartum Paraplegia in Primiparous Cows	YANG Zhen, LI Hao-jie, GUO Xiao-ping(105)
Analysis of the Research Status of Cultivating Bezoar Based on CiteSpace	GAO Ming-yan, WU Min-jian, YU Chun-sheng, SUN Guo-zhi, HU Wei, ZHANG Yong-ming(114)