

ISSN 1001-9111
CN 61-1449/S



中国畜牧学核心期刊
陕西省优秀科技期刊

ZHONGGUO NIUYE KEXUE

中国牛业科学

CHINA CATTLE SCIENCE



QK1843280

2018

第44卷
总第215期
双月刊

4

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
中国畜牧兽医学会养牛学分会
中国良种黄牛育种委员会

中国牛业科学

CHINA CATTLE SCIENCE

(原黄牛杂志)

双月刊 1975年创刊

2018年第44卷第4期总第215

期 2018年8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

中国畜牧兽医学会养牛学分会

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西农校区

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

本期责任编辑

张 琪

英文编辑

蓝贤勇

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

云南省肉牛和牧草研究中心

目 次

- 科学试验 • 夏南牛 Y-STRs 和 Y-SNPs 多态性及父系起源研究
... 曾璐岚, 史红侠, 祁兴磊, 林凤鹏, 黄永震, 蓝贤勇, 陈 宏, 雷初朝(1)
秦川牛 TRAF6 基因多态及其与体尺性状的关联分析
张芷毓, 欧德琼, 郭明丽, 樊英智, 高源, 李世鹏, 赖振雨, 雷初朝, 党瑞华(4)
肉牛日粮中添加活性干酵母对瘤胃蛋白降解及利用的影响
..... 梁稼烨, 咎林森(9)
延边牛 Y 染色体遗传多样性与父系起源研究
史红侠, 姚一博, 夏小婷, 吕 忠, 党瑞华, 蓝贤勇, 陈 宏, 雷初朝(14)
广西水牛唾液和血清生殖激素在发情周期的变化规律及相关性分析 ...
贾银海, 莫志辉, 潘能庆, 徐文文, 蒋世强, 邓 辉, 杨秀荣, 蒋和生(17)
秦川牛 CDH11 基因外显子多态性分析
程嘉慧, 李卓妮, 郭明丽, 高 源, 樊英智, 李世鹏, 赖振雨, 雷初朝, 党瑞华(21)
皖东牛母牛生长发育规律研究
..... 程 敏, 咎仁欠吉, 李柏旭, 刘善斋, 张运海, 刘洪瑜(25)
湘洲牛 Y-SNPs 和 Y-STRs 遗传多样性及父系起源研究
李秀良, 李芳玉, 曹艳红, 吴柱月, 党瑞华, 李绍波, 陈 宏, 雷初朝(29)
牛肉品质对牛排食用品质影响的研究报告 左秀丽, 左秀峰, 罗 欣(32)
西门塔尔牛与蒙古牛成年犏牛屠宰对比试验 ... 斯琴巴特尔, 苏德斯琴,
鄂 巍, 毕力格巴特尔, 辛满喜, 叶 茹, 布日古德, 马 欣, 阿 荣, 王立斌,
..... 李春明, 赵保中, 白 韬(34)
多产母犏冻精的应用效果试验 柳 炜, 袁立, 王 涛(38)
渤海黑牛 Y 染色体遗传多样性及父系起源研究
..... 常振华, 侯佳雯, 宋恩亮, 成海建, 陈 宏, 雷初朝(41)
- 综 述 • 黄芪甲苷抑制上皮细胞凋亡的研究进展
..... 王亚芳, 成海建, 张清峰, 姜富贵, 谭秀文, 刘倚帆, 宋恩亮(45)
Circular RNAs: 鉴定、表达和功能 ... 李 辉, 曹修凯, 杨嘉蒙, 陈 宏(49)
牛羊拷贝数变异研究进展
... 黄永震, 徐天扬, 李丽娟, 郑 立, 王俊永, 陈 宏, 雷初朝(55)
- 调查研究 • 林缘山区生态肉牛养殖扶贫的优势、困境与对策
——基于甘肃省 3 个村的精准扶贫调查
..... 王新友, 王旭强, 白美婷, 王凤华, 林慧龙(61)
张掖市畜禽粪污资源化利用现状调查
..... 张永东, 王 磊, 马 斌, 伏中方, 朱跃明(65)
山丹县肉牛全产业链发展情况调研报告 梁金花(68)
- 专 论 • 中原农区农户养殖母牛适度规模模式探讨
..... 柏中林, 柏中峰, 王之保, 杨黎明, 牛新建(71)
临夏州秸秆饲料化利用现状及对策探析 孙爱华(76)
肉牛粪污资源化利用现状调查分析与对策
..... 宋建红, 史玉萍, 黄文革, 李 强(80)
兰州市红古区奶牛产业发展现状分析与对策
..... 尚利明, 宋玉婷, 武凡琳, 冯保华, 梁 斌, 张军成(82)
临泽县肉牛养殖户变合作社股民初探 董 江(85)
- 科技转化 • 肉牛免疫过程中发生不良反应的处置 焦自兰(87)
新型暖棚牛舍、羊舍食槽建设技术要点 王建林(89)
临夏州现代牛产业全产业链建设探析 安德海(91)
- 疫病防治 • 犏牛的培育与腹泻病防治探讨 刘 刚(94)
- 《中国牛业科学》新一届编委会委员 (封二) 《中国牛业科学》投稿须知 (封三)
- 《声明》 (75)

[期刊基本参数] CN61-1449/S * 2018 * b * A4 * 100 * zh * P * ¥10.00 * 10000 * 27 * 2018-04

CHINA CATTLE SCIENCE

(Formerly the Journal of Yellow Cattle)

(Bimonthly, started in 1975)

(2018, Vol. 44, No. 4 (total 215), Aug, 2018)

Department in Charge

Ministry of Education of the People's Republic of China

Sponsored by

Northwest A & F University

Branch Committee of Cattle Science of Chinese Association of Animal Science and Veterinary Medicine

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. Post-code: 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 of the Issue

Zhang Qi

English Editor

Prof. Dr. Lan Xian Yong

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 Beef Cattle & Pasture Research Centre

Main Contents

- Study on the Polymorphisms and Paternal Origin of Y-STRs and Y-SNPs in Xianan Cattle ZENG Lu-lan, SHI Hong-xia, QI Xing-lei, LIN Feng-peng, HUANG Yong-zhen, LAN Xian-yong, CHEN Hong, LEI Chu-zhao(1)
- Polymorphism of TRAF6 Gene and Its Association with Growth Traits in Qinchuan Cattle ZHANG Zhi-yu, OU De-qiong, WU Ming-li, FAN Ying-zhi, LI Shi-peng, LAI Zhen-yu, LEI Chu-zhao, DANG Rui-hua(4)
- Effect of Active Dry Yeast on Degradation and Utilization of Rumen Protein in Beef Cattle LIANG Jia-ye, ZAN Lin-sen(9)
- Study on Genetic Diversity and Paternal Origin of Y Chromosome in Yanbian Cattle SHI Hong-xia, YAO Yi-bo, XIA Xiao-ting, LV Zhong, DANG Rui-hua, LAN Xian-yong, CHEN Hong, LEI Chu-zhao(14)
- The Variations and Correlation Analysis of Saliva and Serum Reproductive Hormones During Estrus Cycle in Guangxi Buffaloes JIA Yin-hai, MO zhi-hui, PAN neng-qing, XUwen-wen, JIANG shi-qiang, DENG hui, YANG Xiu-rong, JIANG He-sheng(17)
- Analysis of Exon Polymorphism of CDH11 Gene in Qinchuan Cattle CHENG Jia-hui, LI Zhuo-ni, WU Ming-li, FAN Ying-zhi, LI Shi-peng, LAI Zhen-yu, LEI Chu-zhao, DANG Rui-hua(21)
- Growth and Development Pattern of Wandong Cows CHENG Min, ZAN Ren-qianji, LI Bai-xu, LIU Shan-zhai, ZHANG Yun-hai, LIU Hong-yu(25)
- Genetic Diversity and Paternal Origin of Y-SNPs and Y-STRs in Weizhou Cattle LI Xiu-liang, LI Fang-yu, CAO Yan-hong, WU Zhu-yue, DANG Rui-hua, LI Shao-bo, CHEN Hong, LEI Chu-zhao(29)
- Research on Effect of Beef Quality on Steak Edible Quality ZUO Xiu-li, ZUO Xiu-feng, LUO Xin(32)
- Comparison of Slaughter on Bullock of Simmental and Mongolian Cattle SI Qin-bateer, SU De-siqin, E Wei, BI Li-gebateer, XIN Man-xi, YE Ru, BU Ri-gude, MA Xin, A Rong, WANG Li-bin, WU Lan-qiqige, E Ri-dengduren, NA Bu-qi, BA Da-malianhua, TAI Yong-jie, YU Jiang, HAN Chun-mei, LI Chun-ming, ZHAO Bao-zhong, BAI Tao(34)
- Application Test of Prolific Female Calf Frozen Semen LIU Wei, YUAN Li-gang, WANG Tao(38)
- Genetic Diversity of Y Chromosome and Paternal Origins in Bohai Black Cattle SONG En-liang, CHENG Hai-jian, CHEN Hong, LEI Chu-zhao(41)
- Research Progress of Astragaloside IV on Inhibiting Apoptosis of Epithelial Cells WANG Ya-fang, CHENG Hai-jian, ZHANG Qing-feng, JIANG Fu-gui, TAN Xiu-wen, LIU Yi-fan, SONG En-liang(45)
- Circular RNAs: Identification, Expression and Function LI Hui, CAO Xiu-kai, YANG Jia-meng, CHEN Hong(49)
- Research Progress of Copy Number Variation of Cattle and Sheep HUANG Yong-zhen, XU Tian-yang, LI Li-juan, ZHENG Li, WANG Jun-yong, CHEN Hong, LEI Chu-zhao(55)
- Advantages, Difficulties and Countermeasures of Poverty Alleviation by Ecological Beef Cattle Breeding in Mountain Forest Edge —Based on Investigation from Precision Poverty Alleviation in Three Villages of Gansu Province WANG Xin-you, WANG Bing, QU Zhan, CHAI Jian, BAI Mei-ting, WANG Feng-hua, LIN Hui-long(61)
- Investigation on the Utilization of Livestock and Poultry manure in Zhangye City ZHANG Yong-dong, WANG Lei, MA Bin, FU Zhong-fang, ZHU Yue-ming(65)
- Discussion on Moderate Farming Scale of Cows in Central Plains Agricultural Area BAI Zhong-lin, BAI Zhong-feng, WANG Zhi-bao, YANG Li-ming, NIU Xin-jian(71)
- Analysis on Current Situation and Countermeasures of Straw Feed Utilization in Linxia SUN Ai-hua(76)
- Investigation and Countermeasures of Present Situation of Resource Utilization of Beef Cattle Manure SONG Jian-hong, SHI Yu-ping, HUANG Wen-ge, LI Qiang(80)
- Status Analysis and Solutions on Economic Development of Dairy cattle Industry in Honggu District of Lanzhou SHANG Li-ming, SONG Yu-ting, WU Fan-ling, FENG Bao-hua, LIANG Bin, ZHANG Jun-cheng(82)
- Preliminary Study on the Stock Market of Beef Cattle Farmers in Linze County DONG Jiang(85)
- The Whole Industry Chain Construction of Modern Beef Cattle Inlinxia Abstract AN De-hai(91)
- Feeding Management and Disease Prevention and Control Technology of Calf Diarrhea LIU Gang(94)

ISSN 1001-9111



9 771001 911022

发行范围：国内外公开发

邮发代号：52-113

广告许可证：咸工商广字03-104

定价：每期10元 全年60元