



CHINA FEED

中国饲料®

ISSN 1004-3314  
CN 11-2975/S

2020 15

总第659期

- 中文核心期刊
- 国家A类学术期刊
- 全国优秀科技期刊
- 中国期刊网入网期刊
- 中国学术期刊综合评价数据库来源期刊

· 广告 ·

中国饲料  
CHINA FEED品  
牌  
传  
播  
者

9 771004 331209

15&gt;

万方数据

■ 2020年第二季度全国饲料生产监测情况

■ 过瘤胃赖氨酸在反刍动物中的应用研究进展

# 目 次

2020年第二季度全国饲料生产监测情况 ..... (1)

2019年我国饲料添加剂概况 ..... 刘杰,徐丽(4)

## 综 述

过瘤胃赖氨酸在反刍动物中的应用研究进展 ..... 张丽,全瑞兰,黎年富,等(8)

丁酸梭菌作为饲料添加剂在动物养殖与疾病防控中的应用进展 ..... 黄潇航,张龙,胡奇林,等(12)

## 科学实验研究

蚯蚓提取液对家蚕生长发育及血淋巴氧化指标的影响 ..... 吴永胜,徐麒麟,杨家棣,等(18)

α-卡茄碱对仔猪小肠上皮细胞增殖、细胞周期、细胞凋亡的影响 ..... 何玉华,潘俊林,赵鑫玉,等(22)

施肥方式对青贮玉米生产性能的影响 ..... 孙泰然,王云霄(26)

大豆异黄酮对高温下体外培养奶牛乳腺上皮细胞增殖和抗氧化能力的影响 ..... 姜淑妍(29)

HT-2毒素对小鼠MII期卵母生殖细胞甲基化基因及DNA甲基化的影响 ..... 邓凯伟,童翠红(33)

## 添 加 剂

黄芪茎叶对蛋鸡生产性能、蛋品质及经济效益的影响 ..... 雷石标,李一君(38)

复合中草药多糖提取物对籽鹅产蛋性能及蛋品质的影响 ..... 邹立君,杨莉莉,邓浩,等(42)

抗菌肽对断奶仔猪生长性能、免疫机能及粪便微生物菌群的影响 ..... 李陇梅(44)

白术多糖对断奶仔猪生产性能及肠道组织形态的影响 ..... 柴艳,李琦华,贾俊静,等(49)

五种植物精油对鸭疫里默氏菌体外抑菌效果观察 ..... 左春生,徐光科,焦凤超,等(55)

## 动 物 营 养

补喂亮氨酸对伊犁马血浆氨基酸及其主要相关代谢物浓度的影响 ..... 艾毕肯,赖晓鹤,张文杰,等(59)

35~50 kg杜泊羊×本地寒羊F1代育肥羊矿物质生长需要的研究 ..... 唐丹,袁英良,郭艳芹,等(67)

## 水 产 养 殖

复合酸化剂不同饲喂时间与浓度对黄河鲤生长和消化酶活性的影响 ..... 齐子鑫,秦改晓,王新华,等(71)

菊芋全粉与地衣芽孢杆菌对凡纳滨对虾生长性能、免疫能力及肠道菌群变化的影响

..... 孟现尧,朱晓振,贾晨晨,等(77)

## 检 测 分 析

高效液相色谱法测定新型抗菌肽杆菌七肽的含量 ..... 张江,黄邦俊,李学莉,等(84)

快速水蒸气蒸馏-流动注射分析仪联用测定饲料中氯化物 ..... 马兴,宋旭,肖亚兵(87)

## 经 营 与 管 理

人力资源管理与饲料企业发展战略契合与应对研究 ..... 史洁(91)

## 2020年第15期

(总第 659 期)

财务管理对饲料企业快速发展影响分析 ..... 李 静 (95)

跨境电子商务环境下饲料企业海外仓发展新思路 ..... 张 茹(99)

基于电子商务的饲料产品供应链物流体系优化路径研究 ..... 潘 瑶(103)

### 资源开发利用

发酵豆粕在反刍动物生产中的研究及应用进展 ..... 郁元年,张 彬,汤少勋,等(107)

不同水平膨化豆粕添加对肉牛生长性能、屠宰性能及肉品质影响

..... 王 勇,郭成亮,辛淑荣,等(112)

不同添加剂对豆渣型发酵饲料发酵品质及有氧稳定性的影响 ..... 王雪洋,韩淑敏,李雁冰,等(116)

复合益生菌发酵饲料对断奶仔猪生长性能、肠道微生物菌群、血清生化指标和免疫指标的影响

..... 蓝海恩,麦伟虹,黄焕昌,等(120)

油茶皂苷对蛋种鸡蛋品质和肉鸡生长性能的影响 ..... 张向杰,郭梦瑶,陈 塷,等(125)

### 观察与探讨

配合饲料安全生产信息化及追溯体系建设 ..... 张彩云,张天勇(129)

农村金融供给主体多样化对饲料企业影响 ..... 任秋娟(134)

乡村振兴背景下饲料企业支持农村生态环境治理的困境与破解路径研究 ..... 霍玉璨(138)

运用大数据和区块链提升饲料产品流通组织效率的研究 ..... 施和平,叶 云(141)

构建饲料产品供应链物流生态圈的实践战略 ..... 刘伯超(145)

### • 书 评 •

现代饲料生产中的计算机技术应用及其系统开发——评《现代饲料生物技术与应用》

..... 李旺彦,于 彤(149)

饲料企业营销管理实践研究——评《饲料企业营销管理与质量控制》 ..... 黄小燕(150)

物流产业集聚效应下的饲料企业物流研究——评《饲料企业核心竞争力构建指南》 ..... 杨 蕙(151)

目的论视角下的科技英语翻译策略探讨——评《动物营养与饲料加工专业英语》 ..... 曹 娟(152)

水产养殖专业英语课程——评《水产英语》 ..... 杨 梅(153)

音乐在动物养殖中的积极影响——评《新农村养殖技术大全》 ..... 陈霄虹(154)

# CONTENTS

The situation of domestic feed production in the second quarter of 2020 .....	(1)
The situation of domestic feed additives of 2019 .....	LIU Jie, XU Li(4)
Advance in the development and application of rumen-protected lysine in ruminants .....	ZHANG Li, QUAN Ruilan, LI Nianfu, <i>et al.</i> (8)
Application progress of <i>Clostridium butyricum</i> as feed additive in disease control of animal breeding .....	HUANG Xiaohang, ZHANG Long, HU Qilin, <i>et al.</i> (12)
Effects of earthworm extract on growth and development of <i>Bombyx mori</i> and oxidation index of hemolymph .....	WU Yongsheng, XU Qilin, YANG Jiadi, <i>et al.</i> (18)
Effects of α-chaconine on proliferation, cell cycle and apoptosis of intestinal epithelial cells in piglets .....	HE Yuhua, PAN Junlin, ZHAO Xinyu, <i>et al.</i> (22)
Effects of fertilization methods on silage maize production performance .....	SUN Tairan, WANG Yunxiao(26)
Effects of isoflavones on proliferation and antioxidation of bovine mammary epithelial cells cultures <i>in vitro</i> under high temperature .....	JIANG Shuyan(29)
Effects of HT-2 toxin on methylation genes and DNA methylation in germ cells of mice MII stage oocytes .....	DENG Kaiwei, TONG Cuihong(33)
Effects of <i>Astragalus membranaceus</i> stem and leaf on performance, egg quality and economic benefits of laying hens .....	LEI Shibiao, LI Yijun(38)
Effect of compound Chinese herbal polysaccharide extract on egg laying performance and egg quality of seed geese .....	ZOU Lijun, YANG Lili, DENG Hao, <i>et al.</i> (42)
Effects of antimicrobial peptides on growth performance, immune function and fecal microflora of weaned piglets .....	LI Longmei(45)
Effect of PAM on production performance and intestinal morphology in piglet .....	CHAI Yan, LI Qihua, JIA Junjing, <i>et al.</i> (49)
Antibacterial effect of five plant essential oils on <i>Riemerella anatipestifer</i> <i>in vitro</i> .....	ZUO Chunsheng, XU Guangke, JIAO Fengchao, <i>et al.</i> (55)
Effects of supplemented with leucine on Yili horse plasma amino acid and its related metabolites concentrations .....	AI Biken, LAI Xiaohe, ZHANG Wenjie, <i>et al.</i> (59)
Mineral requirements for Dorper×Thin-Tailed Han crossbred fattening sheep (F1) at 35 ~ 50 kg .....	TANG Dan, YUAN Yingliang, GUO Yanqin, <i>et al.</i> (67)
Effects of compound acidifier on growth and digestive enzyme activity in Yellow River carp .....	QI Zixin, QIN Gaixiao, WANG Xinhua, <i>et al.</i> (71)
Effects of Jerusalem artichoke powder and <i>Bacillus Licheniformis</i> on growth performance, immunity and intestinal microorganism of <i>Litopenaeus vannamei</i> .....	MENG Xianyao, ZHU Xiaozhen, JIA Chenchen, <i>et al.</i> (77)
High performance liquid chromatography (HPLC) determination of novol antibacterial peptide (Microcin C7) .....	ZHANG Jiang, HUANG Bangjun, LI Xueli, <i>et al.</i> (84)
Determination of cyanide in feed by rapid steam distillation-flow injection analysis .....	MA Xing, SONG Xu, XIAO Yabing(87)
Research on the fit and response of human resource management and feed enterprise development strategy .....	SHI Jie(91)
Influence analysis of financial management on rapid growth of feedstuff enterprises .....	LI Jing(95)
New ideas for the development of feed companies's overseas warehouses under the cross-border e-commerce environment .....	ZHANG Ru(99)
Research on the optimization path of feed product logistics supply chain system based on e-commerce .....	PAN Yao(103)
Research and application progress of fermented soybean meal in ruminant production .....	YU Yuannian, ZHANG Bin, ZHANG Peihua, <i>et al.</i> (107)
Effects of extruded soybean meal at different levels on growth performance, slaughtering performance and meat quality of beef cattle .....	WANG Yong, GUO Chengliang, XIN Shurong, <i>et al.</i> (112)
Effects of different additives on fermentation quality and aerobic stability of soybean milk fermented feed .....	WANG Xueyang, HAN Shumin, LI Yanbing, <i>et al.</i> (116)
Effects of compound probiotic fermented feed on growth performance, intestinal microflora, serum biochemical index and immune index of weaned piglets .....	LAN Haien, MAI Weihong, HUANG Huanchang, <i>et al.</i> (120)
Effects of <i>Camellia oleifera saponins</i> on egg quality and growth performance of broilers .....	ZHANG Xiangjie, GUO Mengyao, CHEN Gong, <i>et al.</i> (125)
Construction of feed safety production information and traceability system .....	ZHANG Caiyun1, ZHANG Tianyong(129)
Research on the influence of the diversification of rural financial supply subjects on feed enterprises .....	REN Qiujuan(134)
Research on the dilemma and solutions of feed enterprises supporting rural ecological environment governance under the background of rural revitalization .....	HUO Yucan(138)
Study on applying big data and block chain to promote the efficiency of feed product circulation organization .....	SHI Heping, YE Yun(141)
The practical strategy of constructing feed product supply chain logistics ecosystem .....	LIU Bochao (145)