

CHINA FEED

中国饲料®



ISSN 1004-3314
CN 11-2975/S

2023 4

总第720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



正昌水产设备及工程事业部是正昌集团的下属企业，一家全球先进的水产设备及工程系统服务商，一直致力于用专业的水产设备和工艺，高效精准的满足客户多样配方需求，提升客户产品的竞争力。

正昌投资 8000 万元，建筑面积约 2100 m²，建造用于高端水产核心主机设备以及未来创新技术的实验中心，作为全球客户的培训服务专业人才实训基地。

饲料机械
中国正昌



25⁺

水产研发团队规模

8%

每年研发占比

40⁺

发明和实用新型
设备专利数量

200⁺

高质量水产工程

地址:江苏常州溧阳市昆仑经济开发区正昌路28号

电话: 0519-87309988, 18951209988

Http: //www.zcme.com

(数据出处)



- 苜蓿草粉对育肥猪胴体性状、肉质以及肌肉中氨基酸、脂肪酸的影响
- 从罗氏沼虾肝胰腺转录组角度阐述罗氏沼虾对动植物蛋白利用的差异

目次

来自管理部门的信息

2023年1月全国畜产品和饲料价格情况 (1)

综 述

猪沙门氏菌感染防控研究进展 张淼丹, 张贺伟 (5)
食用菌的功能成分及其在家禽养殖应用中的研究进展 张振霞 (9)

科学实验研究

采精频率对长白种公猪精液品质的影响 易宗容, 李雪梅, 雷美红, 等 (13)
高脂饲料及运动干预对大鼠生理机能的影响 何惠丽 (17)
香椿提取物对断奶仔猪生长性能、免疫功能和抗氧化能力的影响 郭全海, 孙现海 (21)
饲料中添加油茶籽粉对湘黄鸡生长性能、血清脂质代谢、抗氧化与抗炎能力的影响
..... 李丽平, 刘小飞 (25)

添 加 剂

复合益生菌饲料添加剂对肉羊生长性能、养分消化及免疫功能的影响 石少英, 才让闹日 (29)
无抗日粮中添加凝结芽孢杆菌培养物对肉鸡生产性能的影响 常 红, 杨建功, 张改霞 (33)
党参对保育猪生长性能、抗氧化性能及抗炎能力的影响 靳淑委, 杨军艳, 张光波 (37)
氧化锌与纳米氧化锌对断奶仔猪生长性能和锌利用率的影响 宿志民 (41)

动 物 营 养

全混合日粮饲喂肉牛育肥试验研究 刘永平, 焦世琦 (45)
不同青贮饲料对肉牛生长性能、血清生化指标及免疫功能的影响 陈义军, 韩芙蓉, 马 元 (49)
不同维生素A水平对肉兔生长性能、免疫指标及抗氧化功能的影响 张玉莹 (53)
苜蓿草粉对育肥猪胴体性状、肉品质以及肌肉中氨基酸、脂肪酸的影响
..... 蒋 恒, 王昊然, 王怀树, 等 (57)

水 产 养 殖

从罗氏沼虾肝胰腺转录组角度阐述罗氏沼虾对动植物蛋白利用的差异 王成丽, 刘 鑫, 田其真, 等 (63)
酶解肠膜蛋白粉对卵形鲳鲆 (*Trachinotus ovatus*) 生长性能的影响 岳 茹, 黄小林, 谭小红, 等 (70)
不同水温及养殖密度对南美白对虾存活率和生长性能的影响 闫雪崧 (74)

牧草与饲用植物

不同覆膜形式对旱地玉米—拉巴豆间作栽培饲料产量及青贮品质的影响
..... 高应平, 郑炳辉, 梁天柱, 等 (78)

饲 料 卫 生

饲料中真菌毒素含量的分析研究 孙 蓓, 刘晓娟, 金 杰, 等 (84)

2023年第4期

(总第720期)

北京市场饲料原料及全价饲料中蜡样芽孢杆菌、烟曲霉菌和3种霉菌毒素情况调查

..... 陈亚军, 李 芳, 王 颀, 等 (88)

发 酵 饲 料

发酵饲料对奶牛生产性能及肠道菌群的影响 郭 变, 赵巧丽 (92)

不同发酵温度对液体发酵饲料营养成分、挥发性脂肪酸和活菌数的影响 郭晓宇, 丁 德 (96)

经营与管理

成本控制下的饲料企业管理模式研究 张 兵 (100)

饲料企业资金管理面临的问题及对策研究 俞矜慎 (104)

供应链视角下饲料企业面临的金融风险及防范措施 韩颖丽 (108)

电子商务背景下饲料企业精准营销的策略分析 石 萌 (112)

饲料企业人力成本管控问题及应对措施研究 韩 艳 (116)

饲料企业内部控制存在的风险及防范措施 徐 佳 (120)

财务机器人在饲料企业会计中的影响及对策研究 朱珍珍 (124)

资源开发利用

玉米秸秆切碎长度对肉羊瘤胃发酵及养分消化代谢的影响 郭 然, 杨文艳 (128)

黄栀子果实干粉对湘黄鸡蛋品质和免疫功能的影响 胡松梅, 龚泽修, 文 健, 等 (132)

不同地区大豆及其副产品微量元素的分析 王宜萍, 韦带莲 (136)

观察与探讨

饲料企业与高职院校联合培养人才促进就业探析 谭 丁 (140)

突发公共危机下饲料零售业资产配置研究 周纳宇 (144)

乡村振兴背景下饲料产业创业扶持政策优化研究 高迎旭, 陈 静 (148)

“双循环”发展格局下中国饲料进出口贸易整体趋势及竞争力提升分析 简利蓉, 安伟洁, 王依然 (152)

浙江省饲料产业科技创新驱动发展生态系统战略研究 王雨帆, 李依文 (156)

循环经济模式下饲料行业与农业经济联合可持续发展模式探析 宋 斌, 徐秀景 (160)

基于饲料企业人才需求视角的大学生就业能力提升策略 王高飞 (164)

新冠疫情影响下饲料企业转型升级路径研究 赵娴静, 侯翠平 (168)

· 书 评 ·

饲料专业英语视角下科技英语的翻译策略——评《动物营养与饲料加工专业英语》 李 茜 (172)

CONTENTS

The tendence analysis of livestock products and feed price of China in January 2023	(1)
Research progress on prevention and control of swine <i>Salmonella</i> infection	ZHANG Miaodan, ZHANG Hewei(5)
Research progress on functional components of edible fungi and its application in poultry breeding	ZHANG Zhenxia(9)
The effect of semen collection frequency on semen quality of landrace boars	YI Zongrong, LI Xuemei, LEI Meihong, <i>et al.</i> (13)
Effects of high fat diet and exercise intervention on physiological function of rats	HE Huili(17)
Effects of toona sinensis extract on growth performance, immune function and antioxidant capacity of weaned piglets	GUO Quanhai, SUN Xianhai(21)
Effects of camellia oleifera seeds on fat metabolism, antioxidant capacity and anti-inflammatory capacity of xianghuang chickens	LI Liping, LIU Xiaofei(25)
Effects of compound probiotic feed additives on growth performance, nutrient digestion and immune function of mutton sheep	SHI Shaoying, CAI Rangnaori(29)
Effects of <i>Bacillus coagulans</i> culture on performance of broilers without resistance grain	CHANG Hong, YANG Jiangong, ZHANG Gaixia(33)
Effect of dangshen on growth performance, antioxidant capacity and anti-inflammatory ability of nursery pigs	JIN Shuwei, YANG Junyan, ZHANG Guangbo(37)
Effects of zinc oxide and nano zinc oxide on growth performance and zinc utilization of weaned piglets	SU Zhimin(41)
Study of total mixed diet technique in beef cattle fattening	LIU Yongping, JIAO Shiqi(45)
Effects of different silages on growth performance, serum biochemical indexes and immune function of beef cattle	CHEN Yijun, HAN Furong, MA Yuan(49)
Effects of different vitamin A levels on growth performance, immune indexes and antioxidant function of meat rabbits	ZHANG Yuying(53)
Effects of alfalfa grass powder on carcass traits, meat quality, amino acids and fatty acids in the muscles of fattening pigs	JIANG Heng, WANG Haoran, WANG Huaishu, <i>et al.</i> (57)
The differences in the utilization of animal and plant proteins in macrobrachium rosenbergii from the perspective of transcriptome of liver and pancreas	WANG Chengli, LIU Zhu, TIAN Qizhen, <i>et al.</i> (63)
Effects of enzymolytic intestinal membrane protein meal on growth performance of juvenile <i>Trachinotus ovatus</i>	YUE Ru, HUANG Xiaolin, TAN Xiaohong, <i>et al.</i> (70)
Effects of different water temperature and stocking density on the survival rate and growth performance of <i>Penaues vannamei</i>	YAN Xuesong(74)
Effects of different mulching forms of dryland maize-laba bean intercropping on yield, nutrition and fermentation indexes	GAO Yingping, ZHEN Binghui, LIANG Tianzhu, <i>et al.</i> (78)
Analysis of mycotoxin content in feed	SUN Bei, LIU Xiaojuan, JIN Jie, <i>et al.</i> (84)
Investigation on <i>Bacillus cereus</i> , <i>Aspergillus fumigatus</i> and three mycotoxins in feed materials and full feed in beijing market	CHEN Yajun, LI Fang, WANG Yun, <i>et al.</i> (88)
Effect of fermented feed on growth performance and intestinal flora of dairy cows	GUO Bian, ZHAO Qiaoli(92)
Effects of different fermentation temperatures on nutrient composition, volatile fatty acids and viable bacterial count of liquid fermented feed	GUO Xiaoyu, DING De(96)
Research on the management mode of feed enterprises under cost control	ZHANG Bing(100)
Study on the problems and countermeasures of fund management in feed enterprises	YU Jinshen(104)
Financial risks faced by feed enterprises from the perspective of supply chain and preventive measures	HAN Yingli(108)
Strategic analysis on precision marketing of feed enterprises under the background of E-commerce	SHI Meng(112)
Research on the problems and countermeasures of human cost control in feed enterprises	HAN Yan(116)
The risk and precautionary measures of internal control in feed enterprises	XU Jia(120)
Study on the influence and countermeasure of financial robot in feed enterprise accounting	ZHU Zhenzhen(124)
Effect of corn straw chopping length on rumen fermentation and nutrient digestion and metabolism of mutton sheep	GUO Ran, YANG Wenyan(128)
Effects of dried fruit powder of <i>Gardenia jasminoides</i> Ellis on egg quality and serum immune indexes of Xianghuang hens	HU Songmei, GONG Zexiu, WEN Jian, <i>et al.</i> (132)
Analysis of trace elements in soybean and its by-products from different regions	WANG Yiping, WEI Dailian(136)
Feed enterprises and higher vocational colleges to jointly cultivate talents to promote employment exploration and analysis	TAN Ding(140)
Research on <i>asset allocation</i> of feed retail industry under sudden public crisis	ZHOU Nayu(144)
A study on the optimization of the supporting policy of feed industry entrepreneurship under the background of rural revitalization	GAO Yingxu, CHEN Jing(148)
Analysis of the overall trend and competitiveness improvement of China's feed import and export trade under the development pattern of "dual circulation"	JIAN Lirong, AN Weijie, WANG Yiran(152)
A strategic study on the role of scientific and technological innovations in driving the development of ecosystem of the feed industry in zhejiang province	WANG Yufan, LI Yiwen(156)
Sustainable development model of feed industry and agricultural economy under circular economy	SONG Bin, XU Xiujing(160)
Strategies for improving college students' employability based on the talent demand of feed enterprises	WANG Gaofei(164)
Research on the transformation and upgrading path of feed enterprises under the influence of COVID-19 infection epidemic	ZHAO Xianjing, HOU Cuiping(168)