

CHINA FEED

中国饲料



ISSN 1004-3314
CN 11-2975/S

2019 21

总第641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

利可40

DK SARSAPONIN 4 0

真正的丝兰类产品

纯天然丝兰茎粉，源自麟凤兰

DK Sarsaponin 40 is natural powder made from the stem of the *Yucca Schidigera* plant



DESERT KING

INTERNATIONAL

美国德金国际公司

· 广告 ·

① 除氨除臭，改善畜舍环境

② 提高氮磷利用率，
减少畜禽COD和粪污排放

③ 减少动物肠道氨的重吸收，
减轻肝脏负担，节省能量



中国总经销

深圳市富瑞祥生物科技有限公司

电话：0755-27751815
传真：0755-27751796
电邮：tdffreedom@126.com



9 771004 331193



- 贵州喀斯特地区野生饲用牧草资源的开发与保护
- 饲料中补充不同水平精氨酸对肉鸡生长性能及免疫的影响

目 次

本期资讯

要闻·饲料·畜牧	(1)
----------------	-----

综 述

贵州喀斯特地区野生饲用牧草资源的开发与保护	陈 磊,熊康宁,杭红涛(4)
植物提取物添加剂在动物生产中的应用及安全风险分析	张登辉,赵立军,史海涛,等(9)
鸽胃肠发育研究进展	张临香,许展,朱 琳,等(14)

科学实验研究

氨化秸秆与苜蓿组合对其营养成分及瘤胃微生物区系的影响	于满满,张美美,孙悠然,等(19)
内源酶激活剂对泌乳后期奶牛生产性能和饲料消化率的影响	童 雄,李大刚,闵 力,等(26)
添加甲酸对天然草地牧草青贮品质的影响	刘庭玉,贾玉山,侯美玲,等(31)
粪菌移植对雏鸡生长性能、血清白痢阳性率和屠宰性能的影响	黄金华,粟永春,宁国信,等(35)
仙鹤草提取物对饲料中亚硝酸盐的清除作用	苏学军,刘广聪,宗春燕(41)
锡林郭勒地区生鲜马乳质量研究	郝苗苗,南斯拉玛,吴云芳,等(45)

添 加 剂

饲料中补充不同水平精氨酸对肉鸡生长性能及免疫的影响	陈西风,刘维平(51)
黄芪纤维对断奶仔猪生长性能、养分消化率和免疫功能的影响	杨昆忠,邓 浩,黄可欣,等(54)
饲料中添加复合微生态制剂对仔猪生长性能及养分表观消化率的影响	陈 勇,黄可欣,梁谱鑫,等(57)

水产养殖

复方中草药制剂对克氏原螯虾生长、免疫功能及肝胰腺组织的影响	孟 惰,胡 骞,金玉立,等(60)
-------------------------------------	-------------------

2019年第21期

(总第641期)

检测分析

- 饲料和饲料原料等25种样品中16种真菌毒素超高效液相色谱-三重四级杆/线性离子阱串联质谱法
基质效应的研究 符金华,杨琳芬,董泽民,等(66)
- 微波消解-电感耦合等离子体质谱法测定猪肝中总砷、硒含量的不确定度评定
..... 闫玉杰,杨赵伟,李博,等(72)
- 基于酶-纳米颗粒试纸条可视化检测致病菌的研究
..... 班磊,张婷(76)
- 饲料中铅的分析技术研究进展
..... 徐思远,贾铮,田静,等(81)

饲料加工机械与工艺

- 粉碎方式对小麦粉碎粒度及粒度分布的影响
..... 曹胜雄,王炳彦,张曦,等(88)
- 辣椒红色素油 β -环糊精包合工艺技术研究
..... 刘锦妮,刘纪成,阮崇美,等(93)

质量与标准

- 中国饲料成分及营养价值表(2019年第30版)制订说明 (97)
- 中国饲料成分及营养价值表(2019年第30版)(待续)
..... 中国饲料数据库(98)

资源开发利用

- 葡萄残渣及其提取物在草食家畜中的研究与应用 游伟,张相伦,魏晨,等(108)
- 纤维素酶和木聚糖酶协同降解葡萄皮渣条件优化
..... 索江华,唐桂芬,连艳鲜,等(113)
- 不同品种菊芋秸秆营养成分、体外消化率和能量价值的比较
..... 刘鹏,王彦靖,王秀飞,等(118)

福邦酵母技术专栏

- 酵母精华替代那西肽对黄羽肉鸡生长性能、免疫性能的影响
..... 周锋,黄鑫,张新,等(121)

CONTENTS

Important News·Feed·Animal Husbandry	(1)
Development and protection of wild forage resources in karst region of Guizhou Province	CHEN Lei, XIONG Kangning, HANG Hongtao(4)
Application and safety risk analysis of plant extract additive in animal production	ZHANG Denghui, ZHAO Lijun, SHI Haitao, <i>et al.</i> (9)
Advances in the gastrointestinal development of pigeons	ZHANG Linxiang, XU Zhan, ZHU Lin, <i>et al.</i> (14)
Effects of combination of ammoniated straw and trifoliolate on nutrients and rumen microflora	YU Manman, ZHANG Meimei, SUN Youran, <i>et al.</i> (19)
Effects of an endogenous activator on production performance and feed digestibility of dairy cows in late lactation	TONG Xiong, LI Dagang, MIN Li, LI Ping, <i>et al.</i> (26)
The effect of adding formic acid on silage quality of natural grassland forage	LIU Tingyu, JIA Yushan, HOU Meiling, <i>et al.</i> (31)
Effect of fecal microbiota transplantation on the growth performance, positive rate of pullorum in serum and slaughter performance of chickens	HUANG Jinhua, SU Yongchun, NING Guoxin, <i>et al.</i> (35)
Scavenging effect of <i>Agrimonia pilosa</i> extract on nitrite in feed	SU Xuejun, LIU Guangcong, ZONG Chunyan(41)
Study on milk quality of raw mare in Xilingol area	HAO Miaomiao, NAN Silama, WU Yunfang, <i>et al.</i> (45)
Effects of dietary arginine supplementation on growth performance and immune status of broiler chickens	CHEN Xifeng, LIU Weiping(51)
Effects of <i>Astragalus membranaceus</i> fiber on growth performance, nutrient digestibility and immunity of weaned pigs	YANG Kunzhong, DENG Hao, HUANG Kexin, <i>et al.</i> (54)
Effects of compound probiotic on growth performance and apparent digestibility of nutrients in piglets	CHEN Yong, HUANG Kexin, LIANG Puxin, <i>et al.</i> (57)
Effects of compound Chinese herbal medicine on growth, immunity and hepatopancreas of crayfish <i>Procambarus clarkii</i>	MENG Yin, HU Qian, JIN Yuli, <i>et al.</i> (60)
The matrix effect research of determination of 16 mycotoxins by UPLC–Quadrupole/Qtrap mass spectrometry in 25 kinds of feed and feedstuff samples	FU Jinhua, YANG Linfen, DONG Zemin, <i>et al.</i> (66)
Evaluation of uncertainty for determination of total arsenic and selenium in liver of raccoon dog by ICP–MS linking microwave digestion method	YAN Yujie, YANG Zhaowei, LI Bo, <i>et al.</i> (72)
Visual detection of pathogenic bacteria based on enzyme–nanoparticle test strips	BAN Lei, ZHANG Ting(76)
Research progress in analytic technique of lead in feed	XU Siyuan, JIA Zheng, TIAN Jing, <i>et al.</i> (81)
Effect of feed milling methods on particle size and distribution of wheat	CAO Shengxiong, WANG Bingyan, ZHANG Xi, <i>et al.</i> (88)
Inclusion technology of paprika red pigment oil by β -cyclodextrin	LIU Jinni, LIU Jicheng, RUAN Chongmei, <i>et al.</i> (93)
Introduction of tables of feed composition and nutritive values in China (2019 thirty edition)	(97)
Tables of feed composition and nutritive values in China (2019 thirty edition)	Chinese Feed Database(98)
Application research of grape pomace and extracts in herbivores feed	YOU Wei, ZHANG Xianglun, WEI Chen, <i>et al.</i> (108)
Optimization of conditions for cellulase and xylanase to co-degrade grape pomace	SUO Jianghua, TANG Guifen, LIAN Yanxian, <i>et al.</i> (113)
Comparison of nutrient composition, <i>in vitro</i> digestibility and energetic value of <i>Helianthus tuberosus</i> stalk in different varieties	LIU Peng, WANG Yanjing, WANG Xiufei, <i>et al.</i> (118)
Effect of nosiheptide replaced by yeast concentration on the production performance and immunity of yellow feathered broiler	ZHOU Feng, HUANG Xin, ZHANG Xin, <i>et al.</i> (121)