



Q K 2 1 2 5 5 6 9

中文核心期刊

中国科学引文数据库来源期刊

中国科技核心期刊

ISSN 1008-0864

CN 11-3900/S

CODEN ZNKDAJ

中国农业科技导报

**Journal of
Agricultural Science
and Technology**

2021年 第23卷 第 7 期

中华人民共和国科学技术部主管 中国农村技术开发中心主办

中国农业科技导报

第23卷 第7期 2021年7月

目 次

农业创新论坛

- 我国小麦产业发展情况及国际经验借鉴 蒋贊,张丽丽,薛平,王秀东(1)
新疆机采棉发展回顾、现状分析及措施建议
..... 辛明华,王占彪,韩迎春,范正义,冯璐,杨北方,李小飞,王国平,雷亚平,
邢芳芳,熊世武,李亚兵(11)

生物技术 生命科学

- 不同基因型小麦苗期耐低氮性评价及筛选
..... 李俊杰,杜蒲芳,石婷瑞,侯沛佳,柴新宇,赵瑞,汪好,李红霞(21)
氮素缓解春小麦花后高温早衰的抗氧化特性研究
..... 坚天才,康建宏,吴宏亮,刘根红,高娣,马雪莹,李鑫(33)
种植密度对转 Bt 棉纤维杀虫蛋白表达量及氮代谢的影响
..... 陈媛,刘震宇,周明园,张晨霞,田巧凤,张中宁,张祥,陈德华(45)
印度鹰嘴豆资源遗传多样性分析及优异资源筛选
..... 于海天,吕梅媛,万述伟,杨峰,胡朝芹,杨新,张晓艳,王玉宝,何春华,林德明,王丽萍(54)
氯化钙对盐胁迫下荆芥种子萌发及幼苗生理特性的影响 张胜珍,马艳芝(65)
固氮施氏假单胞菌(*Pseudomonas stutzeri*)A1501 同化硝酸盐代谢基因簇分布及调控研究
..... 黄丽玲,李耘,王珊珊,陆超,杨智敏,林敏,燕永亮,陈明,张维,
王劲,周正富,柯秀彬,战嵛华,陆伟(72)

智慧农业 农机装备

- 农田残膜机械回收膜土分离装置设计与试验
..... 胡广发,全腊珍,邹运梅,沈徵,匡新鹏,黄从辉(82)
基于冠层光谱特征参数的油菜品种识别 骆丽莎,廖桂平,刘凡,官春云(93)
基于 CFD-EDM 耦合的气吸式红枣捡拾机气力输送装置仿真分析
..... 张凤奎,张宏,兰海鹏,于福锋,李忠杰,李平(107)
基于 AE-FFNN 神经网络的橡胶树叶片磷含量定性研究 叶林蔚,唐荣年,李创(117)
猪舍热舒适性评价及夏季湿帘作用下的 CFD 模拟
..... 高云,王瑜,鲁斯迪,雷明刚,罗俊杰,黎煊(125)

动植物健康

- 两株解淀粉芽孢杆菌的鉴定及对抗多菌灵可可球二孢菌的拮抗作用
..... 董国然,沙理堂,周闻,符可芯,杨叶(136)
板栗红粉病病原菌鉴定及其生物学特性研究
..... 张娜娜,李双民,温晓蕾,冯丽娜,王俊凤,杨文杰,霍佳欢,兰淑慧,孙伟明,齐慧霞(145)

生物制造 资源生态

- 聚氨酯包膜氮肥减施对双季早稻生长、产量及经济效益的影响 周旋, 康兴蓉, 彭建伟, 杨相东, 钟雪梅, 胡文峰, 龙俊佑(153)
- 不同机械有序种植方式对水稻生长特性及产量的影响 罗友谊, 王慰亲, 郑华斌, 刘功义, 巢英, 徐彩, 郑志刚, 李雪倩, 韦银兰, 唐启源(162)
- 不同氮肥在不同土壤中对小麦氮素利用及产量的影响 齐欣, 司玉坤, 赵亚南, 黄玉芳, 闫军营, 孙笑梅, 叶优良(172)
- 深施肥对立式深旋耕马铃薯水分利用效率及产量的影响 于显枫, 张绪成, 缪平贵, 方彦杰, 马一凡, 王红丽, 侯慧芝(182)
- 不同分级指数燕麦干草-苜蓿干草组合对牦牛瘤胃体外发酵的影响 夏洪泽, 黄文植, 张琳琳, 张晓涵, 崔占鸿, 刘书杰(191)
- 《转基因技术》新书推荐(封二) 百美村宿(封三)
- 作者投稿指南(202)

JOURNAL OF AGRICULTURAL SCIENCE AND TECHNOLOGY

Vol.23 No.7 Jul. 2021

CONTENTS

AGRICULTURAL INNOVATION FORUM

- Development Status of Wheat Industry in China and International Experience for Reference JIANG Yun, ZHANG Lili, XUE Ping, WANG Xiudong(1)
Review, Status and Measures of Xinjiang Machine-picked Cotton XIN Minghua, WANG Zhanbiao, HAN Yingchun, FAN Zhengyi, FENG Lu, YANG Beifang, LI Xiaofei, WANG Guoping, LEI Yaping, XING Fangfang, XIONG Shiwu, LI Yabing(11)

BIOTECHNOLOGY & LIFE SCIENCE

- Screening and Evaluation of Low Nitrogen Tolerance from Different Genotypes Wheat at Seedling Stage LI Junjie, DU Pufang, SHI Tingrui, HOU Peijia, CHAI Xinyu, ZHAO Rui, WANG Yu, LI Hongxia(21)
Antioxidative Characteristics Study of Nitrogen in Alleviating Premature Senescence of Spring Wheat at High Temperature after Anthesis JIAN Tiancai, KANG Jianhong, WU Hongliang, LIU Genghong, GAO Di, MA Xueying, LI Xin(33)
Effect of Planting Density on the Expression of Insecticidal Protein and Nitrogen Metabolism in the Fiber of Bt Transgenic Cotton CHEN Yuan, LIU Zhenyu, ZHOU Mingyuan, ZHANG Chenxia, TIAN Qiaofeng, ZHANG Zhongning, ZHANG Xiang, CHEN Dehua(45)
Genetic Diversity Analysis of Indian Chickpea (*Cicer arietinum* L.) Resources and Screening of Excellent Germplasm YU Haitian, LYU Meiyuan, WAN Shuwei, YANG Feng, HU Chaoqin, YANG Xin, ZHANG Xiaoyan, WANG Yubao, HE Chunhua, LIN Deming, WANG Liping(54)
Effects of CaCl₂ on Seed Germination and Seedling Physiological Characteristics of *Schizonepeta tenuifolia* Briq. under Salt Stress ZHANG Shengzhen, MA Yanzhi(65)
Nitrate Assimilation Gene Distribution and Pathway-specific Regulation in Nitrogen-fixing *Pseudomonas stutzeri* A1501 HUANG Liling, LI Yun, WANG Shanshan, LU Chao, YANG Zhimin, LIN Min, YAN Yongliang, CHEN Ming, ZHANG Wei, WANG Jin, ZHOU Zhengfu, KE Xiubin, ZHAN Yuhua, LU Wei(72)

INTELLIGENT AGRICULTURE & AGRICULTURAL MACHINERY

- Design and Experiment of Devices to Separate Membrane from Soil for Mechanical Recycle of Farmland Residual Membrane HU Guangfa, QUAN Lazhen, ZOU Yunmei, SHEN Hui, KUANG Xinpeng, HUANG Conghui(82)
Rape Variety Identification Based on Canopy Spectral Parameters LUO Lisha, LIAO Guiiping, LIU Fan, GUAN Chunyun(93)
Simulation Analysis of Pneumatic Conveying Device of Air-suction Jujube Picker Based on CFD-EDM Coupling ZHANG Fengkui, ZHANG Hong, LAN Haipeng, YU Fufeng, LI Zhongjie, LI Ping(107)
Qualitative Study on Phosphorus Content in Rubber Leaves Based on AE-FFNN Neural Network YE Linwei, TANG Rongnian, LI Chuang(117)
Thermal Comfort Evaluation of Pigsty and CFD Simulation of Wet Curtain in Summer GAO Yun, WANG Yu, LU Sidi, LEI Minggang, LUO Junjie, LI Xuan(125)

ANIMAL AND PLANT HEALTH

- Identification of Two Strains of *Bacillus amyloliquefaciens* and Their Antagonistic Activity to Carbendazim-Resistant
Botryodiplodia theobromae DONG Guoran, SHA Litang, ZHOU Chuang, FU Kexin, YANG Ye(136)
- Identification and Biological Characteristics of the Pathogen Causing Pink Disease of Chestnut
..... ZHANG Nana, LI Shuangmin, WEN Xiaolei, FENG Lina, WANG Junfeng,
YANG Wenjie, HUO Jiahuan, LAN Shuhui, SUN Weiming, QI Huixia(145)

BIO-MANUFACTURING & RESOURCE AND ECOLOGY

- Effects of Reduction Application of Polyurethane Coated Urea on Growth, Yield and Economic Benefit of
Double-cropping Early Rice ZHOU Xuan, KANG Xingrong, PENG Jianwei,
YANG Xiangdong, ZHONG Xuemei, HU Wenfeng, LONG Junyou(153)
- Influences of Different Mechanical and Orderly Planting Methods on Growth Characteristics and Yield of rice
..... LUO Youyi, WANG Weiqin, ZHENG Huabin, LIU Gongyi, CHAO Ying,
XU Cai, ZHENG Zhigang, LI Xueqian, WEI Yinlan, TANG Qiyuan(162)
- Impacts of Nitrogen Forms on Nitrogen Utilization and Yield of Wheat in Different Types of Soil
..... QI Xin, SI Yukun, ZHAO Yanan, HUANG Yufang, YAN Junying, SUN Xiaomei, YE Youliang(172)
- Effect of Deep Fertilization on Water Use Efficiency and Yield of Potato Under Vertical Rotary Tillage
..... YU Xianfeng, ZHANG Xucheng, MIAO Pinggui, FANG Yanjie, MA Yifan, WANG Hongli, HOU Huizhi(182)
- Influences of Oat Hay and Alfalfa Hay Combination with Different Grading Indexes on Rumen Fermentation of Yak in Vitro
..... XIA Hongze, HUANG Wenzhi, ZHANG Linlin, ZHANG Xiaohan, CUI Zhanhong, LIU Shujie(191)

中文核心期刊
中国科学引文数据库（CSCD）来源期刊
中国科技核心期刊（中国科技论文统计源期刊）
中国核心期刊（遴选）数据库收录期刊
RCCSE中国核心学术期刊（A）
中国农林核心期刊
中国学术期刊综合评价数据库来源期刊
中国期刊网、《中国学术期刊（光盘版）》全文收录期刊

**Journal of
Agricultural Science
and Technology**

微信公众号
nyk_jdb



ISSN 1008-0864

