

中文核心期刊

ISSN 1000-1700

CODEN SNDBE7

沈阳农业大学学报

JOURNAL OF SHENYANG AGRICULTURAL UNIVERSITY

第50卷 第6期

Vol.50 No.6

沈阳农业大学学报

JOURNAL OF SHENYANG AGRICULTURAL UNIVERSITY

Vol. 50 No. 6

2019



2019

沈阳农业大学学报

2019年12月 第50卷 第6期 (总第203期)

目次

■研究报告

水稻氮利用效率评价及其与产量性状的关系

..... 江琳琳,赵晗舒,杨武,赵明辉,范淑秀,曹英丽,任彬彬,马殿荣 (641)

开放式增温对不同耐热性粳稻光合作用和产量的影响

..... 宋晓雯,王国骄,孙备,刘春溪,宛涛,李美松,殷红,隋明 (648)

PEP绿白膜对香菇设施栽培环境因子及香菇品质的影响

..... 史文斌,张玉飞,李毅志,范文丽,舒黎黎,李天来,杨宇 (656)

入侵植物瘤突苍耳(*Xanthium strumarium*)种子萌发期表型代间传递可塑性研究

..... 曲波,陈鲜,张婷,成清龙 (664)

沈阳市松材线虫病疫区鞘翅目昆虫扬飞规律研究

..... 华杰,刘仁军,赵筱菲,黄实,杨丽元,郝德君,孙守慧 (672)

抗氧化剂对寒富苹果酒发酵过程成分及抗氧化性的影响

..... 张雨茜,颜廷才,张娟,史琳,孟宪军 (684)

秸秆深埋还田机覆土装置的参数优化与试验

..... 林静,孟凡成,高文英 (694)

大宽幅对行施肥施药车的设计与试验

..... 陆荣超,奚小波,陶德清,吴飞,张剑峰,金亦富,龚俊杰,张瑞宏 (703)

基于分窗 Gram-Schmidt 高光谱降维的水稻纹枯病检测

..... 曹英丽,肖文,江凯伦,郭宝赢,刘亚帝,王洋 (713)

■研究简报

花生种质苗期耐旱性鉴定与综合评价

..... 任婧瑶,王婧,蒋春姬,赵新华,邢丽婷,张鹤,于海秋 (722)

化肥配施有机肥对早稻产量及稻田氮素归趋的影响

..... 朱文博,刘鸣达,肖珣,何娜,杨丹,谢桂先 (728)

抗应激添加剂对运输后肉牛应激蛋白 mRNA 和蛋白表达水平的影响

..... 曹中赞,王晓娜,李静,陈美月,许建文,栾新红 (734)

辽东山区油松人工林生物量研究

..... 刘平,韩金城,于磊,荆欣,王玉涛 (740)

东北低山丘陵区解冻期不同土地利用土壤侵蚀特征分析

..... 贾燕锋,吴猛,刘明波 (747)

基于随机变量状态时序模拟的光伏并网系统概率潮流研究

... 苑婷,王俊,朱浩祎,王刚,张林,孙佳琪,余维涛,王欣然,段佳鑫,孟妍 (753)

TiO₂-SiO₂ 复合催化剂制备及活性研究 唐树戈,吴玉洁,冯小佳 (760)

《沈阳农业大学学报》2019 年(第 50 卷)总目次 (766)

●科技成果

寒富苹果提质保鲜技术及智能装备 (647)

东北传统发酵食品中有益微生物资源精准发掘及应用 (683)

●学术带头人

森林培育——陆秀君教授 (封二、封三)

期刊基本参数: CN21-1134/S*1956*b*A4*128*zh*P*¥10.00*800*16*2019-12

本期责任编辑: 亓国 英文责任编辑: 王爱德 封面设计: 杨一峰

JOURNAL OF SHENYANG AGRICULTURAL UNIVERSITY

December in 2019 Vol. 50 No. 6 (Sum 203)

CONTENTS

■ RESEARCH REPORT

- Evaluation of Nitrogen Utilization Efficiency and Its Relationship with Yield Characters
in Rice
..... *JIANG Lin-lin, ZHAO Han-shu,
YANG Wu, ZHAO Ming-hui, FAN Shu-xiu, CAO Ying-li, REN Bin-bin, MA Dian-rong* (641)
- Effects of Free Air Temperature Increasing on Photosynthesis and Yield of *Japonica* Rice
with Different Heat-tolerance Characteristics
..... *SONG Xiao-wen, WANG Guo-jiao,
SUN Bei, LIU Chun-xi, WAN Tao, LI Mei-song, YIN Hong, SUI Ming* (648)
- Effect of PEP Green-White Flims on Enviromental Factors of Protected Cultivation and Qualities
of *Lentinus edodes*
..... *SHI Wen-bin, ZHANG Yu-fei,
LI Yi-zhi, FAN Wen-li, SHU Li-li, LI Tian-lai, YANG Yu* (656)
- Transgenerational Phenotype Plasticity of Invasive Plant *Xanthium strumarium* Seeds at
Germination Stage
..... *QU Bo, CHEN Xian, ZHANG Ting, CHENG Qing-long* (664)
- Studies on Emergence Regulation of Coleoptera in *Bursaphelenchus xylophilus* Infected Area
in Shenyang
..... *HUA Jie, LIU Ren-jun,
ZHAO Xiao-fei, HUANG Shi, YANG Li-yuan, HAO De-jun, SUN Shou-hui* (672)
- Effect of Antioxidants on Main Constituent and Inoxidizability in Hanfu Apple Cider
Fermenting Process
..... *ZHANG Yu-xi, YAN Ting-cai, ZHANG Juan, SHI Lin, MENG Xian-jun* (684)
- Optimum Design and Experimental Study of Soil Covering Device of Straw Deep-buried
Returning Machine
..... *LIN Jing, MENG Fan-cheng, GAO Wen-ying* (694)

Design and Experiment of Large-width Fertilizer and Pesticide Application Vehicle for Rows
..... *LU Rong-chao, XI Xiao-bo,*
TAO De-qing, WU Fei, ZHANG Jian-feng, JIN Yi-fu, GONG Jun-jie, ZHANG Rui-hong (703)

Detection of Rice Sheath Blight Based on WindowsGram-Schmidt
..... *CAO Ying-li, XIAO Wen,*
JIANG Kai-lun, GUO Bao-ying, LIU Ya-di, WANG Yang (713)

■ SHORT RESEARCH REPORT

Identification and Evaluation of Drought Tolerance for Peanut Germplasm at Seedling Stage
..... *REN Jing-yao, WANG Jing,*
JIANG Chun-ji, ZHAO Xin-hua, XING Li-ting, ZHANG He, YU Hai-qiu (722)

Effects of Chemical Fertilizer Combined with Organic Manure on Early Rice Yield and Nitrogen
Fate in Paddy Field
..... *ZHU Wen-bo, LIU Ming-da, XIAO Xun, HE Na, YANG Dan, XIE Gui-xian* (728)

Effects of Anti-Stress Additives on mRNA and Protein Expression Levels of Stress Protein
in Beef Cattle after Transportation
..... *CAO Zhong-zan, WANG Xiao-na,*
LI Jing, CHEN Mei-yue, XU Jian-wen, LUAN Xin-hong (734)

Study on Biomass of *Pinus tabulaeformis* Plantation in the Mountainous Area of Eastern
Liaoning Province
..... *LIU Ping, HAN Jin-cheng, YU Lei, JING Xin, WANG Yu-tao* (740)

Soil Erosion Characteristics of Different Land Use Types in Thawing Period in Hilly Areas
of Northeast China
..... *JIA Yan-feng, WU Meng, LIU Ming-bo* (747)

Probabilistic Power Flow Research of Photovoltaic Grid-connected System Based on Stochastic
Variable State Time Series Simulation
..... *YUAN Ting, WANG Jun, ZHU Hao-yi,*
WANG Gang, ZHANG Lin, SUN Jia-qi, YU Wei-tao, WANG Xin-ran, DUAN Jia-xin, MENG Yan (753)

Study on Preparation and Activity of TiO₂- SiO₂ Composite Catalys
..... *TANG Shu-ge, WU Yu-jie, FENG Xiao-jia* (760)