

原书缺封面

南方农业学报

Nanfang Nongye Xuebao

第45卷 第6期 2014年6月

目 次

作物遗传育种·种质资源·分子生物学

933 小粒野生稻基因渗入系抗褐飞虱 QTL 定位

郭嗣斌, 刘开强, 李孝琼, 韦宇,

邓国富, 高国庆

938 广西甘蔗新品种区试柳州点 7 个甘蔗新品种 DTOPSIS 法综合评价

覃耀冠, 周忠凤, 周硕, 韦开军,

阳康春

944 大豆 RACK1 基因 RNAi 载体构建及植株转化

李大红, 刘喜平, 甄萍萍

950 优良木薯品种新选 048 离体快繁技术

曾文丹, 陆柳英, 谢向誉, 周慧文,

严华兵

耕作栽培·生理生化

955 孕穗期和灌浆期水分胁迫及复水对桂两优 2 号生理及产量的影响

伍龙梅, 陈德威, 卢李威, 黄敏,

张玉, 徐世宏, 唐国荣, 田绿苗,

江立庚

961 不同覆盖方式对玉米农艺性状及产量的影响

石达金, 闫飞燕, 吕巨智, 范继征,

钟昌松, 张玉

967 马铃薯新品种桂农薯 1 号的选育及栽培技术

熊军, 郑虚, 唐秀桦, 韦民政,

972 不同木薯品种茎叶可溶性糖与块根淀粉积累特性研究

邓英毅, 陈明才, 覃维治, 闫海锋,

李韦柳, 许娟, 陈玉冲, 赵洪涛,

杨微

陈会鲜, 罗兴录, 袁圣勇, 刘兴淋,

黄以致, 杨鑫, 郭雅静, 樊吴静

植物保护·农业气象

980 虫生广布拟盘多毛孢 GH10 菌株对松突圆蚧的致病力测定

吕成群, 黄宝灵, 任涵, 李文禄,

黄蓉, 郭丽娟

984 一株产纤维素酶蜡样芽孢杆菌的分离鉴定及酶学性质初步研究

禤金彩, 廖龙, 龙寒, 何秀苗

989 8 种杀菌剂对甘蔗黑穗病菌的室内毒力测定

朱桂宁, 林珊宇, 贤小勇, 颜梅新,

黄福新, 秦碧霞

995 假蒟不同极性部位提取物对斜纹夜蛾卵的生物活性

刘红芳, 邱仕忠, 符悦冠

1000 CO₂ 气调技术防治害虫研究进展与展望

方剑锋, 王文祥, 葛萃萃, 李凯兵,

陈小帆, 林克剑, 云昌均

土壤肥料·节水灌溉·农业生态环境

1005 不同环沟管理方式对成龄龙眼园土壤理化性质及树体水分的影响

刘世立, 薛进军

1010 深色有隔内生真菌(DSE)引进菌株对铁皮石斛的接种效应

谢玲, 张雯龙, 覃丽萍, 蓝桃菊,

1015 地埂植物带在坡耕地治理中的作用与综合效益分析
——以东北黑土区为例

NARISAWA Kazuhiko, 苏琴

1021 波形潜流人工湿地在贵阳农村的应用研究

赵梅, 孟令钦, 王秀颖

冉全, 罗芳

园艺·园林·林业

- 1025 巨峰一年两收栽培模式下的钙素营养动态分析
1029 不同类型育苗容器对紫穗槐幼苗生长的影响
1035 新泉梨等5个梨品种需冷量的测定分析
1039 河南主要荷花品种资源观赏性评价
1044 庐山野生药用观赏植物资源特征及其保护利用
1050 酿酒葡萄新品种桂葡2号田间栽培比较试验

张瑛,周咏梅,黄羽,林玲,
韦荣福
杨静慧,越燕,徐慧洁,刘艳军,
刘婷,张超
李文贵,邓家林,张全军,钟必凤
刘艺平,刘振静,郭蓓,孟伟芳,
孔德政
宋满珍,魏宗贤,杜娟,鲍海鸥
黄凤珠,彭宏祥,李鸿莉,李冬波,
陆贵锋

加工·贮藏·农业工程

- 1054 氧化铝柱层析纯化鸭肝卵磷脂的工艺研究
1060 猪苓草叶浸提液对羟基自由基的清除作用
1065 杨桃多酚对猪油的抗氧化作用
1069 马铃薯富含 γ -氨基丁酸食品加工初探

张牧焰,王道营,卞欢,程秋菊,
徐为民,刘芳,诸永志,蒋宁,
吴海虹
张成,蔡曙洁,陈炜明,邓娜梅,
韩宇浩,陈超
郭静婕,杨昌鹏,毛瑞丰
何秋云,杨志伟

畜牧·兽医·水产·蚕桑

- 1074 陆川猪脂蛋白脂酶基因的克隆与序列分析
1079 广州农田灌丛区鸟类多样性调查分析
1084 猪血多肽对草鱼离体培养免疫细胞活性的影响
1089 铁皮石斛提高小鼠运动能力、抗疲劳能力和免疫水平的量效关系分析
1094 奶牛产后部分血液指标的动态监测及相关分析
1098 pH胁迫对脊尾白虾代谢酶活力的影响

黄艳娜,李莉,何少婧,韦玲静,
梁明振,兰干球,蒋钦杨
郑孜文,张春兰,胡慧建
贾睿,杜金梁,曹丽萍,徐跑,
王佳豪,刘英娟,殷国俊,蒋火金,
柏爱旭
封毅,黄茂康,叶建保,乐宁,
钟卫干
黄云飞,阮氏青海,侯小露,杜玉兰,
刘平,韩银华,陈亚明,贺婷,
松朋,蓝广培,何宝祥
李玉全

专论·农业信息技术·农业经济

- 1102 澳大利亚有机农业管理概述及其对广西有机农业管理的借鉴
(英文)
1111 科技支撑广西农业转型对策研究
1117 基于云计算的广西农产品物流公共信息平台规划
1121 新时期广西生鲜农产品物流发展的现状、问题及对策
1126 南宁市发展农业总部经济探析
1131 提高广西农业行政执法有效性的对策研究

谭俊杰,刘永贤
韦昌联,陆宇明,杨景峰,吴坚新,
蒙福贵,覃泽林,于平福,韦志扬
李远远,刘光前,徐斯
朱仕兄
覃泽林,曾志康,邓慧灵,韦昌联
江垣德

Journal of Southern Agriculture

Vol. 45 No.6, 2014

Contents

Crop genetics & breeding·germplasm resources·biotechnology

- 933 Mapping quantitative trait loci (QTL) for brown planthopper resistance of introgression lines derived from *Oryza minuta* GUO Si-bin, LIU Kai-qiang, LI Xiao-qiong, WEI Yu, DENG Guo-fu, GAO Guo-qing
- 938 DTOPSIS evaluation of 7 new sugarcane varieties planting in Liuzhou location of Guangxi sugarcane regional trial QIN Yao-guan, ZHOU Zhong-feng, ZHOU Qi, WEI Kai-jun, YANG Kang-chun
- 944 Construction of RNAi vector carrying *RACK1* gene and transformation in soybean LI Da-hong, LIU Xi-ping, ZHEN Ping-ping
- 950 Rapid propagation *in vitro* technology for fine cassava variety Xinxuan 048 ZENG Wen-dan, LU Liu-ying, XIE Xiang-yu, ZHOU Hui-wen, YAN Hua-bing

Farming·physiology & biochemistry

- 955 Effects of water stress and re-watering at booting and grain filling stages on physiology and yield of Guiliangyou 2 WU Long-mei, CHEN Dei-wei, LU LI-wei, HUANG Min, ZHANG Yu, XU Shi-hong, TANG Guo-rong, TIAN Lü-miao, JIANG Li-geng
- 961 Effects of different mulching methods on yield and agronomic traits of maize SHI Da-jin, YAN Fei-yan, LYU Ju-zhi, FAN Ji-zheng, ZHONG Chang-song, ZHANG Yu
- 967 Breeding on a new potato variety Guinongshu 1 and its cultivation techniques XIONG Jun, ZHENG Xu, TANG Xiu-hua, WEI Min-zheng, DENG Ying-yi, CHEN Ming-cai, QIN Wei-zhi, YAN Hai-feng, LI Wei-liu, XU Juan, CHEN Yu-chong, ZHAO Hong-tao, YANG Wei
- 972 Characteristics of starch accumulation in root tuber and soluble sugar in the stems and leaves of different cassava CHEN Hui-xian, LUO Xing-lu, YUAN Sheng-yong, LIU Xing-lin, HUANG Yi-zhi, YANG Xin, GUO Ya-jing, FAN Wu-jing

Plant protection·agrometeorology

- 980 Virulence of *Pestalotiopsis disseminata* GH10 strain to *Hemiberlesia pityophila* LYU Cheng-qun, HUANG Bao-ling, REN Han, LI Wen-lu, HUANG Rong, GUO Li-juan
- 984 Isolation and identification of *Bacillus cereus* producing cellulase and enzymatic properties analysis XUAN Jin-eai, LIAO Long, LONG Han, HE Xiu-miao
- 989 Bioactivities of eight fungicides against *Sporisorium scitaminea* ZHU Gui-ning, LIN Shan-yu, XIAN Xiao-yong, YAN Mei-xin, HUANG Fu-xin, QIN Bi-xia
- 995 Effects of different extracts from polarity positions of *Piper sarmentosum* on biological activity of *Spodoptera litura* LIU Hong-fang, DI Shi-zhong, FU Yue-guan
- 1000 Development and application of CO₂ controlled atmospheres for pest control FANG Jian-feng, WANG Wen-xiang, GE Cui-eui, LI Kai-bing, CHEN Xiao-fan, LIN Ke-jian, YUN Chang-jun

Soil & fertilizer·water saving irrigation·agroecology environment

- 1005 Effects of different circular ditch methods on soil physical and chemical properties in mature longan plantation LIU Shi-li, XUE Jin-jun
- 1010 Inoculation effects of dark septate endophytes (DSE) on the growth of *Dendrobium candidum* seedling XIE Ling, ZHANG Wen-long, QIN Li-Ping, LAN Tao-ju, NARISAWA Kazuhiko, SU Qin
- 1015 Effects and benefits of belts of shrub or grass on slope farmland—A case of black soil region in Northeast China ZHAO Mei, MENG Ling-qin, WANG Xiu-ying
- 1021 Application of wavy subsurface flow constructed wetland in rural areas of Guiyang RAN Quan, LUO Fang

Horticulture·landscape architecture·forestry

- 1025 Calcium dynamics of Kyoho grape under double cropping system ZHANG Ying, ZHOU Yong-mei, HUANG Yu, LIN Ling, WEI Rong-fu
- 1029 Effects of different seedlings raising containers on growth change of *Amorpha fruticosa* L. YANG Jing-hui, YUE Yan, XU Hui-jie, LIU Yan-jun, LIU Ting, ZHANG Cao
- 1035 Chilling requirements of ‘Xinquan’ and four other pear cultivars LI Wen-gui, DENG Jia-lin, ZHANG Quan-Jun, ZHONG Bi-feng
- 1039 Ornamental evaluation of main lotus cultivars resources in Henan LIU Yi-ping, LIU Zhen-jing, GUO Bei, MENG Wei-fang, KONG De-zheng
- 1044 Characteristics of wild medical and ornamental plants resources in Lushan Mountain and their protection and utilization SONG Man-zhen, WEI Zong-xian, DU Juan, BAO Hai-ou
- 1050 Comparative cultivation tests of new wine grape variety Guipu 2 in the field HUANG Feng-zhu, PENG Hong-xiang, LI Hong-li, LI Dong-bo, LU Gui-feng

Processing·storage·agricultural engineering

- 1054 Purification of duck liver lecithin by alumina column chromatography ZHANG Mu-han, WANG Dao-ying, BIAN Huan, CHENG Qiu-ju, XU Wei-min, LIU Fang, ZHU Yong-zhi, JIANG Ning, WU Hai-hong
- 1060 Scavenging effect of *Siegesbeckia* leaves extracts on hydroxyl radical ZHANG Cheng, CAI Shu-jie, CHEN Wei-yue, DENG Na-mei, HAN Yu-hao, CHEN Chao
- 1065 Anti-oxidation of carambola polyphenol in lard oil GUO Jing-jie, YANG Chang-peng, MAO Rui-feng
- 1069 Processing of γ -aminobutyric acid enrichment potato food HE Qiu-yun, YANG Zhi-wei

Animal science·veterinary science·aquaculture·sericulture

- 1074 Gene cloning and sequence analysis of lipoprotein lipase in Luchuan pig HUANG Yan-na, LI Li, HE Shao-jing, WEI Ling-jing, LIANG Ming-zhen, LAN Gan-qi, JIANG Qin-yang
- 1079 Bird diversity of farmland and scrub region in Guangzhou ZHENG Zi-wen, ZHANG Chun-lan, HU Hui-jian
- 1084 Effects of peptides from swine blood on activities of immune cells in *Ctenopharynodon idellus* *in vitro* JIA Rui, DU Jin-liang, CAO Li-ping, XU Pao, WANG Jia-hao, LIU Ying-juan, YIN Guo-jun, JIANG Huo-jin, BO Ai-xu
- 1089 The lowest doses of *Dendrobium officinale* for improving sports ability, anti-fatigue and immune ability of mice FENG Yi, HUANG Mao-kang, YE Jian-bao, LE Ning, ZHONG Wei-gan
- 1094 Dynamic monitoring and correlation analysis of some blood parameters in post-parturient dairy cows HUANG Yun-fei, NGUYEN Thi-thanh-hai, HOU Xiao-lu, DU Yu-lan, LIU Ping, HAN Yin-hua, CHEN Ya-ming, HE Ting, THAMMAKOUN Somphone, LAN Guang-pei, HE Bao-xiang
- 1098 Effects of pH stress on activities of phosphatase in *Exopalaemon carinicauda* Holthuis LI Yu-quan

Monographs·agricultural information technology·agriculture economics

- 1102 Analysis of Australian organic farming management and associated recommendations on organic farming management of Guangxi TAN Jun-jie, LIU Yong-xian
- 1111 Countermeasures for Guangxi agricultural transformation supported by science and technology WEI Chang-lian, LU Yu-ming, YANG Jing-feng, WU Jian-xin, MENG Fu-gui, QIN Ze-lin, YU Ping-fu, WEI Zhi-yang
- 1117 Programming of Guangxi agricultural product logistics common information platform based on cloud computing LI Yuan-yuan, LIU Guang-qian, XU Si
- 1121 Current status, problems and strategies of Guangxi fresh agricultural product logistics development in the new era ZHU Shi-xiong
- 1126 Analysis on developing agricultural headquarters economy in Nanning QIN Ze-lin, ZENG Zhi-kang, DENG Hui-ling, WEI Chang-lian
- 1131 Strategies for effective agricultural administrative law-enforcement in Guangxi JIANG Yuan-de

原书缺封底