

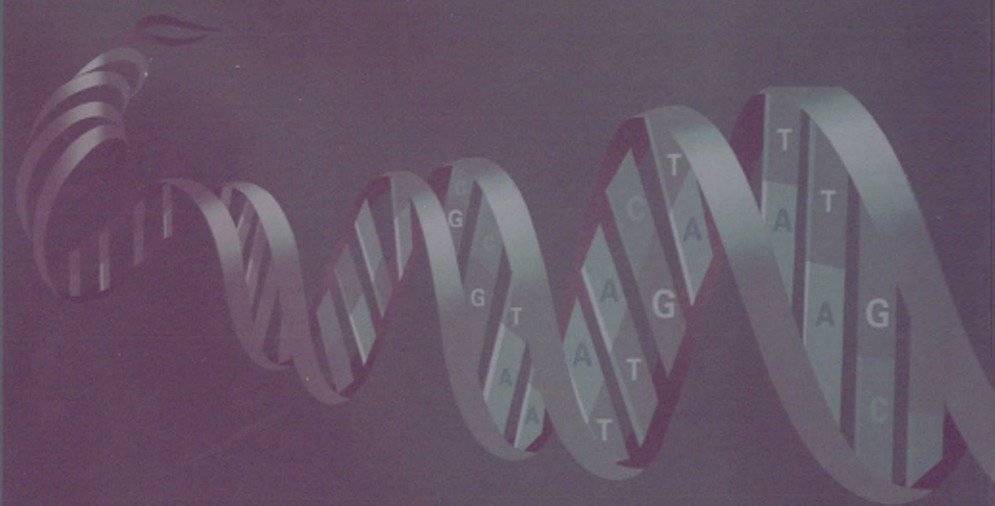


- ★ 全国中文核心期刊
- ★ 中国自然科学核心期刊
- ★ 中国科技核心期刊
- ★ RCCSE中国核心学术期刊
- ★ 中国农业核心期刊

ISSN 1005-9369
CN 23-1391/S

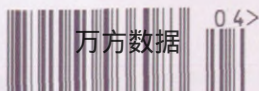
东北农业大学学报

JOURNAL OF NORTHEAST AGRICULTURAL UNIVERSITY



2012.4

ISSN 1005-9369



第43卷 第4期 Vol. 43 No. 4

中国·哈尔滨 Harbin·China

东北农业大学学报

月刊 1957年创刊

第43卷 第4期 总206期 2012年4月

作物科学 • 园艺科学 • 生命科学(植物)辑

目 次

专论与综述

番茄主要病害抗病基因分子标记的研究进展.....宋建军, 王琳珊, 田 鹏, 王瑞飞 (1)

研究报告

优化施肥对大豆氮素积累及产量的影响.....王海艳, 孙 超, 罗盛国, 刘元英 (11)

玉米大豆不同间作模式下大豆鼓粒期的光学特性.....王 瑞, 王宏富, 陈新霞, 曾 蓉 (16)

野生大豆盐碱胁迫响应基因 *GsZFP1* 的克隆及序列分析

.....罗 晓, 曹 蕾, 王明超, 胡梦然, 柏 锡, 纪 巍, 才 华, 朱延明 (20)

大豆胞囊线虫抗性候选基因 *Rhgl* 的克隆及其功能验证.....高慕娟, 宋雯雯, 韩 雪, 王继安 (27)

小麦产量性状与粒重性状的遗传分析.....王 晖, 陈佳慧, 王文文, 兰进好, 田纪春 (31)

光温条件对无花粉型光温敏核不育水稻籼S育性转换的影响

.....邱振国, 张秒高, 彭海峰, 陈雄辉, 万邦惠 (37)

东北粳稻不同生育期耐冷性分析.....张艳梅, 王敬国, 刘化龙, 邹德堂 (43)

施肥量与灌溉量对黑龙江省黑土区水稻产量的影响.....刘 炜, 谷思玉, 白雅梅, 赵京考 (49)

寒地超级稻松粳9号抽穗期冠层特性研究.....赵宏伟, 高 扬, 刘化龙, 杨 亮, 刚 爽, 臧家祥 (55)

水稻胚乳双向电泳技术体系的优化分析

.....赵书宇, 刘海英, 沈 鹏, 金正勋, 张忠臣, 张海彬, 王露露 (62)

早熟玉米群体选系对丝黑穗病的抗性评价及杂种优势分析.....李晨光, 张 林, 邸 宏, 王振华 (67)

亚麻 EST-SSR 标记开发.....苏 钰, 李 明, 姜 硕, 郑东泽 (74)

低温诱导甜菜(*Beta vulgaris* L.)*Ty7Br600*基因的 Northern blotting 和 Southern blotting 分析

.....戴建军, 程大友, 常 缨, 李彩凤, 闫桂萍, 马凤鸣 (80)

甜菜抗褐斑病菌的田间调查与分析.....李永刚, 马凤鸣 (84)

不同光照强度对石栎幼苗叶绿素含量及叶绿素荧光参数的影响

.....吴飞燕, 伊力塔, 李修鹏, 殷秀敏, 刘美华, 余树全 (88)

番茄 *Cf-5* 基因的 SNP 分子标记开发

.....张育奎, 李景富, 谢立波, 张 贺, 康立功, 姜景彬, 许向阳 (93)

越橘果实花青苷含量及其不同发育阶段的变化.....张春雨, 王晶莹, 郭庆勋, 周连霞, 贾承国 (98)

根癌农杆菌介导的 *S6PDH* 基因转化香蕉研究.....匡云波, 赖钟雄 (103)

君子兰八氢番茄红素合成酶基因的克隆与序列分析.....劳杉杉, 苑志明, 秦智伟, 周秀艳 (113)

卷丹与亚洲百合种间杂交花粉管生长的荧光观察.....雷家军, 吴 超 (117)

两种拟南芥 *MYB51* 突变体的鉴定与初步分析.....李梦莎, 石 璐, 国 静 (121)

助剂对氟磺胺草醚药液性状及除草活性的影响.....韩玉军, 马 红, 高世杰, 陶 波 (126)

青藏高原东缘毛茛科藏药植物资源调查.....巩红冬 (131)

研究简报

黑龙江省大豆种质对菌核病的耐病资源筛选

.....申宏波, 丁俊杰, 孙文鹏, 顾 鑫, 杨晓贺, 赵海红, 刘 伟 (136)

龙葵种子萌发特性的研究

.....丁雪梅, 李玉梅, 沈景林, 赵 云, 王 鹏, 付婷婷, 牛淑玲 (141)

研究进展

园艺作物的 ISSR 分子标记研究及应用.....刘淑芹, 吴凤芝, 刘守伟 (145)

植物线粒体蛋白质组的研究进展.....黄凤兰, 陈芳艳, 庞洪影, 孟凡娟 (151)

大豆纤维多糖降解技术研究进展.....姚 磊, 王振宇, 赵海田, 程翠林, 富校轶, 孙树坤 (155)

[期刊基本参数]: CN23-1391/S * 1957 * m * A4 * 160 * zh * P * ¥8.00 * 1 000 * 29 * 2012-04-25

DONGBEI NONGYE DAXUE XUEBAO
JOURNAL OF NORTHEAST AGRICULTURAL UNIVERSITY

Monthly Vol. 43 No. 4 (Cumulated No. 206) April 2012

Crop Science ● Horticultural Science ● Life Science (Plant) Issue

CONTENTS

Monograph and Review

Research progress on molecular marker for disease resistance genes in tomato.....SONG Jianjun, et al. (1)

Research Report

Effect of optimized fertilization on N accumulation and yield of soybean.....WANG Haiyan, et al. (11)

Light environment characteristics of soybean in maize-soybean intercropping system.....WANG Rui, et al. (16)

Isolation and sequence analysis of alkali stress related gene *GsZFP1*.....LUO Xiao, et al. (20)

Molecular cloning and functional identification of resistant candidate gene *Rhg1* to

soybean cyst nematode.....GAO Mujuan, et al. (27)

Genetic analysis of yield and kernel weight traits in wheat.....WANG Hui, et al. (31)

Effect of artificial photoperiod and temperature on fertility conversion of a photo-thermo

sensitive genic male sterile line of non-pollen type *XianS* in rice (*Oryza sativa* L.)...QIU Zhenguo, et al. (37)

Analysis of japonica rice cold tolerance at different growing periods in northeast area

.....ZHANG Yanmei, et al. (43)

Effect of fertilizer levels and irrigation on yield of rice in black soil area.....LIU Wei, et al. (49)

Research on canopy characteristics of heading stage about japonica super rice

Songjing9 in cold region.....ZHAO Hongwei, et al. (55)

Optimization of two-dimensional gel electrophoresis system of rice endosperm.....ZHAO Shuyun, et al. (62)

Evaluation resistance to head smut and heterotic relationship of early maturing

maize populations.....LI Chenguang, et al. (67)

Development of flax(*Linum usitatissimum* L.) EST-SSR marker.....SU Yu, et al. (74)

Northern blotting and Southern blotting analysis of *Ty7Br600* gene in cold induced

- sugar beet (*Beta vulgaris* L.).....DAI Jianjun, et al. (80)
- Survey and analysis on sugarbeet resistant cultivars against *Cercospora beticola*.....LI Yonggang, et al. (84)
- Effect of different light intensity on intensity chlorophyll content and chlorophyll
fluorescence in *Lithocarpus glaber*.....WU Feiyan, et al. (88)
- Development of SNPs for leaf mould resistance gene *Cf-5* in tomato.....ZHANG Yuyao, et al. (93)
- Contents and changes of anthocyanin in blueberry during fruit development.....ZHANG Chunyu, et al. (98)
- Agrobacterium*-mediated transformation of *Musa* spp.cv.Tianbao with cDNA encoding
S6PDH(NADP-dependent sorbitol-6-phosphate dehydrogenase) from
Prunus salicina var. *cordata*.....KUANG Yunbo, et al. (103)
- Cloning and sequence analysis of phytoene synthase cDNA from *Clivia miniata* Rogel
.....LAO Shanshan, et al. (113)
- Fluorescence observation of pollen tube growth from interspecific hybridization between
Lilium lancifolium Thunb. and Asiatic lilies.....LEI Jiajun, et al. (117)
- Identification and preliminary analysis of two *MYB51 Arabidopsis thaliana* mutants.....LI Mengsha, et al. (121)
- Effect of adjuvants on characteristics and performance of formsafen.....HAN Yujun, et al. (126)
- Investigation on traditional Tibetan medicine plant resources of Ranunculaceae in
Eastern of Qinghai-Tibet Plateau.....GONG Hongdong (131)

Brief Report

Screening of soybean germplasm of tolerance to *Sclerotinia sclerotiorum* in

- Heilongjiang Province.....SHEN Hongbo, et al. (136)
- Seed germination characteristics on *Solanum nigrum* Linn.....DING Xuemei, et al. (141)

Research Progress

- Inter-simple sequence repeat and its application in horticultural crop research.....LIU Shuqin, et al. (145)
- Study progress of plant mitochondrial proteome.....HUANG Fenglan, et al. (151)
- Progresses on degradation technique of soybean polysaccharides.....YAO Lei, et al. (155)

[Serial parameters]: CN23—1391/S * 1957 * m * A4 * 160 * zh * P * ¥8.00 * 1 000 * 29 * 2012-04-25