

# 东北农业大学学报

月刊 1957年创刊

第42卷 第4期 总194期 2011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

玉米杂种优势关系的研究.....金 益 ( 1 )

### 研究报告

养分调控对大豆可溶性糖积累、分配及产量的影响.....胡晓青, 孙 磊, 罗盛国, 刘元英 ( 8 )

水稻杂种后代籽粒直链淀粉和蛋白质含量选择对产量和品质性状的影响

.....李晓光, 金正勋, 刘海英, 赵书宇, 徐美兰, 张忠臣, 沈 鹏, 张海彬 ( 13 )

黑龙江水稻育种骨干亲本及系谱分析.....刘化龙, 王敬国, 赵宏伟, 邹德堂, 陈温福, 徐正进 ( 18 )

钾肥施用时期对水稻产量及穗部结实的影响 .....刘丽华, 赵永敬, 李明杰, 吕艳东, 郑桂萍 ( 22 )

黑龙江省种植品种中稻瘟病抗性基因 *Pib* 和 *Pita* 的分布

.....刘华招, 刘 延, 刘化龙, 徐正进, 陈温福 ( 27 )

氮肥处理对春小麦穗粒数形成阶段的影响.....王晓楠, 吴贲玉, 付连双, 李卓夫 ( 32 )

土壤水分对越冬期间冬小麦叶绿素荧光参数的影响.....付连双, 谢甫绵 ( 36 )

不同株型玉米叶片净光合速率差异研究.....童淑媛, 杜震宇, 徐洪文, 刘胜群, 朱先灿, 宋凤斌 ( 42 )

影响玉米孤雌生殖诱导率的因素研究.....姜丽静, 王 慧, 王 翱, 李洪波, 刘长华 ( 48 )

不同籽粒淀粉含量高粱花后叶片光合指标的比较.....周紫阳, 黄瑞冬 ( 52 )

低温胁迫对多毛番茄幼苗生理生化特性的影响 ..... 朱文哲, 李景富, 王傲雪 (57)

潘那利番茄叶片组织培养及植株再生研究 ..... 宗宪春, 许向阳, 张 贺, 王傲雪, 李景富 (62)

大花卷丹与亚洲百合、东方百合种间杂交及胚培养研究 ..... 雷家军, 阮冰洁 (66)

基质中不同比例珍珠岩的添加对番茄穴盘苗的矮化效应 ..... 梁志卿, 赵 端, 孙吉娜, 陈俊琴 (72)

遮光对郁金香叶片叶绿素含量及叶绿体超微结构的影响 ..... 唐焕伟, 曲彦婷, 张 兴 (77)

植物亚细胞定位载体卡盒pCEG的构建及验证

..... 朱 丹, 王 希, 朱延明, 陈 超, 李 勇, 柏 锡, 才 华, 纪 巍 (83)

应用PCR方法向基因内部引入序列的策略研究 ..... 徐亚英, 王 勇, 罗 宏, 陈 典 (88)

苏云金芽孢杆菌 $cry1Ia17$ 基因克隆、表达的研究 ..... 张庆丽, 李海涛, 赵 勇, 高继国 (93)

适合于基因组测序的红麻高纯度线粒体DNA提取 ..... 赵 杨, 陈 鹏, 周瑞阳 (98)

外来杂草小花山桃草对干旱胁迫的生理响应 ..... 黄 萍, 贾东坡, 袁志良, 梅世秀, 叶永忠 (102)

氯嘧磺隆在不同pH下的水解动力学研究 ..... 李 霞, 韩玉军, 陶 波 (107)

黑龙江友好自然保护区自然资源的调查及评价 ..... 万 婷, 穆立蔷, 冯富娟 (111)

呼伦贝尔天然草地野生菊科牧草资源及资源评价 ..... 王明莹 (116)

盐胁迫对白三叶肉细胞超微结构的影响

..... 殷秀杰, 胡宝忠, 崔国文, 李凤兰, 李景欣, 王明君, 洪锐民 (125)

利用欧榛SSR标记分析榛属亲缘关系的研究

..... 李修平, 李秀霞, 王 仲, 薛春梅, 张丽敏, 郭 勇 (129)

## 研究简报

黑龙江省大豆蚜抗药性研究 ..... 王 芹, 徐伟钧, 严善春 (137)

草莓RAPD反应体系的优化 ..... 王 超, 李荣钦, 关法春, 王彦杰, 李 静, 许 静, 陶 雷 (141)

[期刊基本参数]: CN23-1391/S \* 1957 \* m \* A4 \* 144 \* zh \* P \* ¥8.00 \* 1 000 \* 28 \* 2011-04-25

**DONGBEI NONGYE DAXUE XUEBAO**  
**JOURNAL OF NORTHEAST AGRICULTURAL UNIVERSITY**

Monthly Vol. 42 No. 4 (Cumulated No. 194) April 2011

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

**CONTENTS**

**Monograph and Review**

- Study on corn heterotic group and model.....JIN Yi. ( 1 )

**Research Report**

Effect of integrated nutrient management on accumulation and

distribution of soluble sugar and yield of soybean.....HU Xiaoqing, et al. ( 8 )

Effect of amylose and protein content selection on yield and

quality traits of hybrid progenies in rice.....LI Xiaoguang, et al. ( 13 )

Analysis of founder parents for cultivar varieties in Heilongjiang Province.....LIU Hualong. ( 18 )

Effect of potassium employ phase on rice yield and panicle fructification.....LIU Lihua, et al. ( 22 )

Distribution of two blast resistance genes *Pib* and *Pita* in major rice cultivars in

Heilongjiang Province in China.....LIU Huazhao, et al. ( 27 )

Effect of nitrogen fertilizer treatment on growth stage of

spring wheat kernels per spike.....WANG Xiaonan, et al. ( 32 )

Effect of soil moisture on chlorophyll fluorescence parameters before

frozen period in winter wheat (*Triticum aestivum* L.).....FU Lianshuang, et al. ( 36 )

Study on differences of net photosynthetic rate of

leaf in different corn types.....TONG Shuyuan, et al. ( 42 )

Study on induction rate factors of maize parthenogenesis.....JIANG Lijing, et al. ( 48 )

Comparison of photosynthetic indicators in leaves of sorghum with different grains

starch contents after anthesis.....ZHOU Ziyang, et al. ( 52 )

Effect of low temperature stress on physiological and biochemical characteristics of <i>Lycopersicon hirsutum</i> seedlings.....	ZHU Wenzhe, et al. ( 57 )
Study on tissue culture and plantlet regeneration of <i>Lycopersicon pennellii</i> leaves.....	ZONG Xianchun, et al. ( 62 )
Interspecific hybridization between <i>Lilium leichtlinii</i> var. <i>maximowiczii</i> Baker and Asiatic, Oriental lilies and embryo culture.....	LEI Jiajun, et al. ( 66 )
Dwarf effects of adding in different ratios' perlite on tomato plug seedling.....	LIANG Zhiqing, et al. ( 72 )
Effect of shading on chlorophyll content and chloroplast ultrastructure in leaves of <i>Tulipa gesneriana</i> .....	TANG Huanwei, et al. ( 77 )
Construction and application of a plant subcellular localization vector box of pCEG.....	ZHU Dan, et al. ( 83 )
Integrating specific sequence into target gene using PCR method.....	XU Yaying, et al. ( 88 )
Cloning, expression and activity of <i>cry1la17</i> gene from <i>Bacillus thuringiensis</i> isolate.....	ZHANG Qingli, et al. ( 93 )
Extraction of high purity mitochondrial DNA from kenaf for genome sequencing.....	ZHAO Yang, et al. ( 98 )
Physiological responses of exotic weeds <i>Gaura parviflora</i> to drought stress.....	HUANG Ping, et al. (102)
Hydrolysis dynamics of Chlormuron-ethyl in different pH buffer solutions.....	LI Xia, et al. (107)
Survey and evaluation of natural resource of friendship nature reserve in Heilongjiang Province.....	WAN Ting, et al. (111)
Resources and appraisal on wild Compositae forage grass in Hulunbuir natural grassland.....	WANG Mingying. (116)
Effect of salt stress on ultrastructure of mesophyll cells in white clover.....	YIN Xiujie, et al. (125)
Study on phylogenetic analysis of <i>Corylus</i> germplasm resources with SSR molecular markers for <i>Corylus avellana</i> .....	LI Xiuping, et al. (129)

## Brief Report

Research on insecticide resistance of <i>Aphis glycines</i> in Heilongjiang Province.....	WANG Qian, et al. (137)
Optimization of RAPD reaction system of <i>Fragaria ananassa</i> Duch.....	WANG Chao, et al. (141)
[Serial parameters]: CN23—1391/S * 1957 * m * A4 * 144 * zh * P * ¥8.00 * 1000 * 28 * 2011-04-25	