

目 次

宏观农业

- 我国农业科技革命与农村生态环境问题探讨 郭修国(491)
 实施蓝海战略 振兴民族大豆产业 季志强,赵其鹏,汤玉华,杨青林,秦利民,盖颜欣,邢占民,袁文利,郭玉炜,张 楠(495)
 对转基因作物应用的思考 史红梅,李爱军,张海燕(498)
 山西省农业科技发展现状及对策 刻贵锋,赵建武,杨 伟,李文清(502)

生物技术

- 简单重复序列(AAG),在百萨偃麦草染色体上的分布 温蝶芹,裴自友,任永康(505)
 日本薯蓣脱毒培养及离体高效快繁体系的建立 解晓红,陈 霞,裴 蕉,李江辉,李 波,解红娟,武宗信(508)

遗传育种

- 抗丝黑穗病玉米种质资源的 SSR 标记遗传多样性分析 王艳梅,田 歌,王陆军,王 燕,李 欣,赵 明(512)
 玉米产量构成因子配合力分析 冯 伟,邢国芳(516)
 利用雄性不育系培育玉米新品种 国米格,武岩军,任丽萍,李素玲(519)
 晋芝 6 号芝麻新品种选育及其栽培技术 杨三维,张明义,宁东贤,曹亚萍,李红玲(522)

生理生化

- 大豆根瘤促生剂对费氏中华根瘤菌产结瘤因子影响 王梦亮,张 媚(525)
 不同拌种剂对旱地小麦水分利用效率的影响 刘新月,党建友,王校爱,卫云宗(529)
 银杏 UV-C 胁迫下番茄幼苗抗氧化酶活性的影响 王文刚,李灵芝,张 意,李海平(532)
 桃小食心虫滞育期间糖类含量的变化 丁惠梅,武三安(535)
 腊脂花的光合特性研究 付宝春,薄 伟,庞丽琴,王 松,杨晓盈(539)

耕作与栽培

- 旱地玉米全覆膜方式的增产效应 智建奇,胡奋山,武海丽,马淑文,贾志森,郑 义(543)
 旱地玉米少耕穴灌聚肥节水技术应用效果简析 刘宁莉,石文廷,张 锐(546)
 盐碱地土壤改良剂和覆膜栽培的增产效应与技术经济评价 张 冰,闻永康,李建军,张全发,王 静(549)
 特用玉米品种筛选与配套栽培技术研究 王晓梅,崔 坤,迟全勃,孙玉清(552)
 夏莜麦区饲草燕麦复种技术探讨 李 刚,李荫藩,李成雄,皇甫红芳,王玉春(555)
 锌和 6-BA 对苹果果实品质的影响 薛新平,陈敏克,赵士粤,王新平(558)
 射干的栽培技术与园林应用 段锦兰,付宝春,康红梅,庞丽琴,刘爱莲(562)

资源与环境

- 石灰性土壤吸磷差异及其与土壤性质的关系 缪美英,卜玉山,张广峰,郭淑红(564)
 不同氮肥水平与外源汞的土壤效应研究 向双堆,史小凯,刘利军(572)

植物保护

- 不同药剂防治棉田烟粉虱田间药效试验 刘 珍,范巧兰,魏明峰,张贵云,张丽萍,马冬菊,罗 山(575)
 防治苹果树枝干轮纹病药效对比试验 孟晶岩,段泽敏,王贤革,梁岩华,李 霞,冯丽萍(577)
 玉米雌穗分化异常产生原因及防治措施探讨 陈秀芳,贾生平,王惠利(580)

农业工程

- 温室番茄光合作用模拟模型的验证 贾慧星(582)

畜牧兽医

- GDF-8 干扰质粒转染绵羊耳成纤维细胞最佳条件研究 施 辉,黄 洋,岳文斌,张晓强,张春普(586)

农业经济

- 我国土地征用补偿标准研究 于锦坤,梁亚卓,徐 华,李富忠(589)
 山西省耕地资源评价与可持续利用对策 高慧卿,高 敏(595)
 农地规模经营的制约因素及对策 贾伟强,黄有方(599)
 海水养殖业灾害保障体制探索 任光超,杨德利(605)
 信息传播技术与农业推广 裴书成,杨振兴,贾新宇(608)

综 述

- 分子标记技术在棉花育种中的应用 赵兴华,渠云芳,黄晋玲(611)
 甜高粱茎秆含糖量的研究进展 张晓英,赵威军(616)
 甜高粱育种思路探讨 马 涌,张福耀,赵威军,郑 娜(619)
 水蜜桃低温保鲜技术研究进展 周 然,谢 晶(622)
 海水鱼类保鲜技术的研究进展 马 妍,谢 晶,周 然(624)

期刊基本参数:CN 14-1113/S * 1961 * M * 16 * 140 * zh * P * ¥8.00 * 1500 * 39 * 2011-06

CONTENTS

● The general

- Approach to Agricultural Sci-Tech Revolution and Rural Ecological Environment in China ZOU Xiu-guo(491)
 The Blue Ocean Strategy Might Helpful to Revitalize Chinese Soybean Industry JI Zhi-qiang, et al(495)

- Thinking over GM Crops Application SHI Hong-mei, et al(498)
 Current Situation and Corresponding Measures for Agricultural Technology Growth in Shanxi Province LIU Gui-feng, et al(502)

● Biotechnology

- Distribution of (AAG), Sequence on Chromosomes of *Thinopyrum bessarabicum* WEN Hui-qin, et al(505)
 Establishment of Virus-free and Rapid Propagation System of *Rhizoma Dioscoreae* XIE Xiao-hong, et al(508)

● Genetics and breeding

- Genetic Diversity Analysis of Maize Germplasm Resources against Sporosporium Reilianum with SSR Markers WANG Yan-mei, et al(512)

- Analysis of Yield Components Combining Ability in Maize FENG Wei, et al(516)
 Study on Corn Hybrid Selection with Male Sterile Line YAN Mi-ge, et al(519)

- Breeding and Cultivation Techniques of Jinzhi 6 Sesame YANG San-wei, et al(522)

● Physiology and biochemistry

- Effect of Producing Nod Factor from *Sinorhizobium fredii* Made by Soybean Nodule Promoting Preparation WANG Meng-liang, et al(525)

- Effect of Seed Dressing Agents on Water Use Efficiency in Dryland Wheat LIU Xin-yue, et al(529)

- Effect of La³⁺ to the Activities of Antioxidant Enzyme in Tomato Seedling under UV-C Stress WANG Wen-gang, et al(532)

- Dynamic Changes of Sugars of Peach Fruit Moth (*Carposina sasakii* Matsumura) during Diapause Phase DING Hui-mei, et al(535)

- Studies on Photosynthetic Characteristics of *Primula maximowiczii* FU Bao-chun, et al(539)

● Cultivation

- Yield Increasing Effect of Whole Film Mulching Mode for Dry Land Maize ZHI Jian-qi, et al(543)

- Effect Analysis on Technology of Fertilizer Gathering and Water Saving by Conservative Tillage and Hole Irrigation in Dry Land Corn LIU Ning-li, et al(546)

- Evaluation on Grain Yield Improvement by Soil Improvement Agents and Plastic Mulching in Alkaline Land and on Their Technical Economy ZHANG Bing, et al(549)

- Selection and Cultivation Technique System of Special Purposed Corn WANG Xiao-mei, et al(552)

- Sequential Cropping Technology of Forage Oat in Summer Oats Area LI Gang, et al(555)

- Effect of K and 6-BA on Apple Fruit Quality XUE Xin-ping, et al(558)

- Planting Techniques and Landscaping Application about *Blancanda chinensis* DUAN Jin-lan, et al(562)

● Resources and environment

- Phosphorus Sorption Characteristics of Calcareous Soils and Their Relationship with the Soil Properties LIANG Mei-ying, et al(564)

- Effect of Various Levels Nitrogen on Soil with Exogenous Mercury YAN Shuang-dui, et al(572)

● Plant protection

- Effects of Insecticides on *Bemisia tabaci* (Gennadius) in Cotton Fields LIU Zhen, et al(575)

- Efficiency Comparative Experiment of Apple Branch Ring Rot Control MENG Jing-yan, et al(577)

- Discussion on the Abnormal Phenomenon of the Ear Differentiation, Causes and Prevention Measures in Corn CHEN Xiu-fang, et al(580)

● Agricultural engineering

- Verification of the Photosynthesis Simulation Model in Greenhouse Tomato YUN Hui-xing(582)

● Animal husbandry and veterinary

- Study on the Optimum Conditions for Sheep Fibroblasts Transfection by Plasmid with Interference GDF-8 JIN Hui, et al(586)

● Agri-economy

- Study on Current Land Acquisition Compensation Standards in China YU Jin-kun, et al(589)

- Evaluation of the Cultivated Land Resources and Measures of Sustainable Utilization in Shanxi Province GAO Hui-qing, et al(595)

- The Restricting Factors and Its Corresponding Measures of the Land Scaled Management JIA Wei-qiang, et al(599)

- Approach to Security System against Marine Aquaculture Disasters REN Guang-chao, et al(605)

- Information Dissemination Technology and Agricultural Extension YANG Shu-cheng, et al(608)

● Review

- Application of Molecular Marker Technology in the Cotton Breeding ZHAO Xing-hua, et al(611)

- Study Advance in Brix in Sweet Sorghum ZHANG Xiao-ying, et al(616)

- Discussion on Breeding in Sweet Sorghum MA Yong, et al(619)

- Current Preserving Technologies of Post-harvest Peaches under Cold Storage ZHOU Ran, et al(622)

- Research Progress on Preservation Methods of Marine Fishes MA Yan, et al(624)