



ISSN 1004-1389

CN 61-1220/S

西北农业学报

ACTA AGRICULTURAE BOREALI-OCCIDENTALIS SINICA

第 21 卷 第 12 期(卷终)

Vol.21 No.12

2012

西北农林科技大学，甘肃、宁夏、青海、新疆农(林)业科学院，
青海、新疆畜牧(兽医)科学院及新疆农垦科学院 主办

科学出版社出版

目 次

- 两株大肠埃希菌生物膜形成及影响因素 喻华英,闫石磊(1)
欧拉羊胎儿皮肤细胞的培养、保存与鉴定 乔自林,冯若飞,李明生,令世鑫,王家敏,沈武玲,冯玉萍,柏家林,马忠仁(7)
小麦PPO基因等位变异及面粉白度特性分析 王蕾,高翔,陈其皎,李晓燕,董剑,赵万春,魏慧,石引刚,陈良国(11)
小麦转录因子基因 $TabZIP20$ 的克隆及其在小麦一条锈菌互作中的表达 魏国荣,张宁宇,汤春蕾,王晓杰,韩德俊,黄丽丽,康振生(20)
抗条锈与白粉病的小麦种质资源鉴定及筛选 任雅琴,吕金仓,武世信,徐芦,郭艳萍,孙军仓,王敬昌(26)
氮肥运筹对宁冬11号地上部干物质积累运转及产量的影响 张维军,袁汉民,陈东升,王小亮,亢玲,何进尚,赵桂珍,惠建,陈荣(33)
不同穴播种植方式对旱地春小麦产量及其水分利用效率的影响 张平良,郭天文,张绪成,吕军峰,侯慧芝(39)
5种药剂的不同质量浓度处理对小麦陈种子发芽及田间成苗的影响 马辉,廖国雄(43)
小麦 $TaAGL7-N$ 基因的Real-time PCR检测 李红霞,张战凤(48)
玉米新病害—叶点霉叶斑病研究初报 苓强,李敏权,惠娜娜,马永强,吕祝邦,樊廷录,李继平(53)
玉米温光敏雄性不育系9417叶片叶绿体蛋白质差异分析 王帅,韩红江,田琴,李维平(57)
缺氮复氮处理对玉米根系生长、根系活力、硝态氮及氨基酸含量的影响 武永军,沈玉芳,颜秦峰,曹让,梁宗锁(61)
施肥对连作甜高粱生物产量及品质的影响 罗峰,王朋,高建明,裴忠有,孙守钧(65)
西北地区102份油菜地方品种农艺性状比较分析 马艳明,刘志勇,肖菁,白玉亭,王威,颜国荣(69)
改良型Ogu-NWSUAF CMS油菜恢复性的遗传研究 肖招娣,张瑞杰,田颖,庞红喜,胡胜武(76)
基于烤烟中性致香物质的烤烟香型判别分析 詹军,张晓龙,周芳芳,邓国宾,资文华,毛春堂,包崇彦,宫长荣(80)
不同移栽日期烟草对土壤养分的利用特征 李文斌,李新平,吕世丽,慕小艳,刘敬美,韩静(88)
套袋对陇东黄土高原富士苹果果皮特征及品质的影响 冯健,张永茂,程建新,吴小华(93)
库尔勒香梨根系空间分布特征 李宏,程平,郑朝晖,郭光华,杨婵(97)
高产型徐香猕猴桃树体结构及土壤养分状况分析 刘占德,郁俊谊,屈学农,赵英杰,赵晔,赵菊琴(105)
葡萄砧穗组合生理物质变化与嫁接亲和力的关系 杨瑞(108)
番茄果实总RNA提取方法的定量比较分析 王爽,吴梦诗,郭润姿,孟楠,寇晓虹(112)
黄瓜新品种塑料大棚夏秋栽培评价与筛选 程智慧,孟焕文,于东方,陈燕君(116)
臭氧处理对南瓜种子及幼苗发育的影响 洪波,李英梅,张锋,陈志杰,张淑莲,冯慧,王琦(122)
早中晚熟结球甘蓝不同部位组织的再生特性 邵登魁(125)
百合耐热突变体的筛选及生理特性的研究 刘艳妮,余奎军,王飞(131)
乌拉尔甘草毛状根的诱导及培养体系的建立 郭生虎,王敬东,马洪爱(138)
 Pb^{2+} 对甘肃纹党种子萌发和幼苗生理特性的影响 叶文斌,樊亮,贡汉伯(142)
银杏EST-SSR引物开发 李广平,曹福亮(149)
宁夏干旱风沙区不同密度人工柠条林营建对土壤环境质量的影响 王占军,蒋齐,潘占兵,何建龙,舒维花(153)
TDZ对牛皮杜鹃叶片分化及继代增殖的影响 刘森,曹后男,宗成文,许雪,金炳奎(158)
长期定位施肥对黄潮土土壤酶活性的影响 魏猛,张爱君,唐忠厚,李洪民,史新敏,陈晓光(163)
微生物菌剂对兰州城市生活污泥堆肥效果的影响 马雪梅,刘淑英,王平(168)
4种香辛料挥发精油的提取及抑菌效果的比较 李永梅,赵丽,梁亚茹,王利芳,胡青平(173)
紫茎泽兰叶水提液对蛞蝓的毒杀作用 李钊君,李萍,陈华保,章苗,谢琅,龚国淑,杨春平(177)
棉铃虫细胞色素P450家族 $CYP6AE14$ 基因克隆、序列分析及蛋白原核表达 赵伊英,武万锋,汪小东,张建华(181)
土耳其斯坦叶螨和截形叶螨药剂敏感性比较 杨帅,郭艳兰,焦旭东,王佩玲,杨德松,张建萍(188)
宁夏盐池荒漠草原不同生境对琵甲物种多样性的影响 贺海明,贾彦霞(192)
镉胁迫对麦长管蚜取食行为的影响 武晶晶,高欢欢,白小惠,赵惠燕(198)
在茶假眼小绿叶蝉防治中应用静电喷雾器的效果分析 高秀兵,赵华富,张正秋,郭灿,陈娟,张宝林,王家伦(202)

CONTENTS

Biofilm Formation and Influencing Factors in Two <i>Escherichia coli</i> Strains	YU Huaying, et al. (1)
Culturing, Preservation and Identification of Oula Sheep Embryo Skin Cells	QIAO Zilin, et al. (7)
Allelic Variation of PPO Genes and Analysis Properties of Flour Whiteness of Wheat Cultivars	WANG Lei, et al. (11)
Clone of Transcription Factor Gene <i>TabZIP20</i> and Analyze Its Expression Pattern in Wheat-Strip Rust Interaction	WEI Guorong, et al. (20)
Identification and Screening of Wheat Germplasm Resistant to Wheat Stripe Rust and Powdery Mildew	REN Yaqin, et al. (26)
Effects of Nitrogen Application on Yield and Canopy Biomass Accumulation and Distribution of Ningdong 11 Wheat ...	ZHANG Weijun, et al. (33)
Effects of Different Bunch-planting Cultivation on Spring Wheat Yield and Water Use Efficiency in the Semi-arid Area	ZHANG Pingliang, et al. (39)
Influence on Germination and Field Emergence of Aged Wheat Seeds in Different Mass Concentration Treatment of Five Kinds of Chemicals	MA Hui, et al. (43)
Real-time PCR Assay for Detecting <i>TaAGL7-N</i> Gene Expression in Wheat	LI Hongxia, et al. (48)
<i>Phyllosticta zae</i> Leaf Spot—A New Disease Found in China	LING Qiang, et al. (53)
Analysis of Differential Protein in Leaf Chloroplasts of Thermo-photo-sensitive Male Sterility Maize Line 9417	WANG Shuai, et al. (57)
Effect of N Deficiency and N Recovery Treatment on Root Growth, Root Activity, Content of NO_3^- -N and Amino Acids	WU Yongjun, et al. (61)
Effects of Fertilization on Biomass and Quality of Continuous Cropping Sweet Sorghum	LUO Feng, et al. (65)
Analysis on Agronomy Traits of 102 Oil Seed <i>Brassica</i> Landraces from Northwest China	MA Yanming, et al. (69)
Inheritance of Male Fertility Restoration for Ogu-NWSUAF CMS in <i>Brassica napus</i>	XIAO Zhaodi, et al. (76)
Discriminant Analysis of Aroma Types of Flue-cured Tobacco on Neutral Aroma Components	ZHAN Jun, et al. (80)
Study on Soil Nutrient Utilization at Different Transplanting Date of Tobacco	LI Wenbin, et al. (88)
Influence of Bagging on the Characteristics of Fuji Apple Pericarp and Quality in Longdong Loess Plateau	FENG Jian, et al. (93)
Spatial Distribution Characteristics of Roots of Korla Fragrant Pear Trees	LI Hong, et al. (97)
Analysis of Tree Structure and Soil Nutrients State for High-yielding Kiwifruit Orchard	LIU Zhande, et al. (105)
Relationship between the Physiological and Biochemical Substances and the Graft Affinity of Grape Rootstock-scion Combination	YANG Rui(108)
Quantitative Analysis and Comparison of Different Methods for Isolating Total RNA from Tomato Fruits	WANG Shuang, et al. (112)
Evaluation and Screening of Cucumber New Cultivars Grown in Summer-autumn Season under Plastic Tunnel	CHENG Zhihui, et al. (116)
Effect of Processing with Ozone on Germination and Seedling Growth of Pumpkin	HONG Bo, et al. (122)
Study of Regeneration Characteristics about Different Tissues of Different Mature Type Cabbages	SHAO Dengkui(125)
Selection of Thermo Tolerance Mutant of Lily and Study on Its Physiological Characteristics	LIU Yanni, et al. (131)
Induction of Hairy Roots and Establishment of Culture System in <i>Glycyrrhiza uralensis</i> Fisch	GUO Shenghu, et al. (138)
Effect of Pb^{2+} on Germination and Seedling Growth and Physiological Characters of <i>Codonopsis pilosula</i> of Gansu Chinese Herbal Medicine	YE Wenbin, et al. (142)
Development of EST-SSR Primer from <i>Ginkgo biloba</i>	LI Guangping, et al. (149)
Impact of Different Densities of Artificial <i>Caragana intermedia</i> Forest on Soil Environmental Quality in Arid Windy Desert in Ningxia	WANG Zhanjun, et al. (153)
Effect of TDZ on Leaf Differentiation and Subculture Multiplication of <i>Rhododendron chrysanthum</i> Pall.	LIU Miao, et al. (158)
Effects of Long-term Fertilization on Enzyme Activities in Yellow Fluvo-aquic Soil	WEI Meng, et al. (163)
Effects of Microbial Agents Amended on Municipal Sewage Sludge Composting in Lanzhou	MA Xuemei, et al. (168)
The Antibacterial Activity of Four Kinds of Spices Essential Oil	LI Yongmei, et al. (173)
Toxic Activity of the Aqueous Extract of <i>Eupatorium adenophorum</i> Leaf against <i>Agriolimax agrestis</i>	LI Zhaojun, et al. (177)
Cloning, Sequence Analysis and Prokaryotic Expression of Cytochrome P450 <i>CYP6AE14</i> Gene from <i>Helicoverpa armigera</i>	ZHAO Yiying, et al. (181)
Comparison of Susceptibility to Acaricides between <i>Tetranychus turkestanii</i> and <i>Tetranychus truncates</i>	YANG Shuai, et al. (188)
Influence of Different Habitats on Species Diversity of <i>Blaps</i> Beetles in Desert Steppe of Yanchi Ningxia	HE Haiming, et al. (192)
Effect of Cd^{2+} Stress on Feeding Behavior of the Aphid <i>Sitobion avenae</i> (Fabricius)	WU Jingjing, et al. (198)
Effect of Applying Electrostatic Sprayer to Control Tea Green Leafhopper (<i>Empoasca vitis</i> Gothe)	GAO Xiubing, et al. (202)