



IS Q K 1 7 2 7 2 0 5
CN 14-1113/S

山西農業科學

JOURNAL OF SHANXI AGRICULTURAL SCIENCES

SHANXI NONGYE KEXUE

第45卷第9期（总第379期）

- 中国科技核心期刊
- 中国学术期刊综合评价数据库（CAJCED）统计源期刊
- 中国期刊全文数据库（CJFD）全文收录
- 中国核心期刊（遴选）数据库全文上网
- 中文科技期刊数据库全文收录
- 超星期刊域出版平台全文收录

2017 9
Vol.45 No.9

ISSN 1002-2481

09>
9 771002 248110
万方数据

山西省农业科学院 主办

目 次

遗传育种

- 基因型、环境及其交互效应对长胚芽鞘小麦产量稳定性的影响 赵玉坤, 宁东贤, 杨秀丽, 等(1397)
 迪系列鲜食玉米品种的选育及栽培技术 王俊花, 邵林生, 闫建宾, 等(1401)
 小麦边行优势及其对育种选择的影响 郭宗学, 张增为, 王清秀(1405)

生物技术

- 3种陆地棉下胚轴对草甘膦抗性筛选的鉴定 何积明, 吕尊富, 江九华, 等(1408)
 重楼组织培养和快繁体系的建立 徐梅珍, 毕云慧, 王文艳, 等(1412)

生理生化

- 倒春寒对晋南冬小麦主要性状的影响分析 靖金莲, 安晓东, 刘玲玲, 等(1415)
 抚州地区高温逼熟烟叶化学成分与致香成分的相关性 赵东杰, 赵喆, 毛亚博, 等(1420)
 叶面喷施水杨酸对极早蜜葡萄果实有机酸含量的影响 牛艳丽, 董燕梅, 张鹏飞, 等(1426)
 无花果干果不同溶剂提取物及其抗氧化活性研究 徐蔓, 张锦华, 白宝清(1430)
 光照强度对百合开花质量和花期的影响 樊俊苗, 廉峻丽, 张浩宇, 等(1435)
 三七愈伤组织对滇重楼种子萌发的影响 石燕碧, 武文君, 梁晖辉, 等(1438)

耕作与栽培

- 播期对不同类型小麦农艺性状及产量构成的影响 张凡, 韩勇, 薛鑫, 等(1441)
 绿豆品种联合鉴定试验与评价 朱慧珺, 赵雪英, 闫虎斌, 等(1445)
 晋中市春季设施大棚甘蓝品种比较试验 赵俊, 赵乘风, 李岩, 等(1449)
 不同揭膜覆草时期对江西烤烟生长及品质的影响 毛亚博, 赵喆, 赵东杰, 等(1453)
 塑料大棚内不同地膜覆盖对草莓生长及生理特性的影响 周霓, 阳圣莹, 白胜, 等(1458)
 果袋类型及摘袋时期对玉露香梨果实着色的影响 任小云, 王俊娜, 陈圆圆, 等(1462)
 晋北山坡地杏用杏盛果期丰产管理方法研究——以广灵县平城村为例 许小明, 徐玉霞, 马楠(1466)
 不同扦插基质处理对百里香扦插生根的影响 郝丽, 赵凯, 赵杏锁, 等(1471)

资源与环境

- 不同氮肥施用方式对国麦301灌浆速率和产量的影响 倪永静, 刘红杰, 陈雷, 等(1475)
 不同直径保水剂对土壤水分及燕麦生长的影响 皇甫红芳, 李荫藩, 李刚, 等(1480)
 有机肥对玉米氮吸收及利用的影响 邵红英, 焦峰, 张兴梅, 等(1483)
 潮土区花生不同基因型品种对养分吸收、分配和利用的差异 司贤宗, 张翔, 索炎炎, 等(1487)
 商品有机肥配施化肥对烤烟养分吸收变化规律及烟碱合成的影响 冯厚平, 陈代荣, 梁永江, 等(1492)
 中低产田新型氮肥田间肥效研究 金辉, 韩伟宏, 马慧敏, 等(1499)
 榆林主要山地苹果园地土壤养分状况调查与评价 相微微, 段义忠, 王建武, 等(1503)
 黄河中游(禹门口—汾河入黄河)区域水资源生态赤字的动态研究 李睿佳, 宋厚娟, 赵冰清, 等(1507)
 山西漳泽水库春季的硅藻植物及水质评价 刘洋, 冯佳, 刘琪, 等(1513)
 关帝山天然次生针叶林林下云杉更新苗特征研究 王旭刚, 韩有志, 许卓婧, 等(1517)
 汾西县扁桃林及其周边地带植物种类与分布调查 何勇, 陈洁, 李晋陵, 等(1521)

植物保护

- 谷瘟病菌拮抗放线菌的筛选、鉴定及抑菌活性 牛倩云, 刘丽青, 孙硕, 等(1525)

畜牧兽医

- 日粮中添加不同水平菊粉对白羽肉鸡生产的影响 陈泽, 上官明军, 杜彬, 等(1530)

信息技术

- 设施蔬菜水肥一体化智能灌溉控制系统的设计及试验 张雪飞, 彭凯, 王建春, 等(1534)

农业经济

- 棉花目标价格补贴政策对玛纳斯县棉花生产的影响 刘乐, 马瑛(1539)

- 农村土地整治项目综合效益后评价研究——以湖南省宁乡县2个村为例 刘楚杰, 喻瑶, 李帅(1543)

综述

- SNP标记在小麦遗传育种中的应用研究进展 许陶瑜, 唐朝晖, 王长彪, 等(1549)
 小豆疫霉病的研究进展 吉雯雯, 张泽燕, 张耀文, 等(1553)
 生物质炭对植烟土壤改良及烟叶品质的影响 孙敬国, 孙光伟, 王昌军, 等(1557)
 钝化剂修复重金属污染土壤研究进展 瞿飞, 范成五, 刘桂华, 等(1561)
 我国近自然森林经营技术与效果评价研究进展 贺志龙, 张芸香, 郭晋平(1566)
 超声波辅助花粉介导转基因方法的研究进展 王长彪, 杜建中, 赵兴华, 等(1571)
 哺乳动物克隆技术研究进展 张荣华, 王曦, 李武峰(1577)

CONTENTS

●Genetics and breeding

- Effect of Genotype, Environment and Their Interaction Effects on Yield Stability of Long Coleoptile Wheat ZHAO Yukun, NING Dongxian, YANG Xiuli, et al(1397)

- Breeding and Cultivation Techniques of Di Series Fresh Corn Varieties WANG Junhua, SHAO Linsheng, YAN Jianbin, et al(1401)

- Study on Wheat Marginal Superiority and Its Effect on Selection of Breeding GUO Zongxue, ZHANG Zengwei, WANG Qingxiu(1405)

●Biotechnology

- Identification of Glyphosate Resistance Screening in Three Upland Cotton Hypocotyls HE Jiming, LÜ Zunfu, JIANG Jiuhua, et al(1408)

- Establishment of Tissue Culture and Rapid Propagation System of *Rhizoma paridis* XU Meizhen, BI Yunhui, WANG Wenyan, et al(1412)

●Physiology and biochemistry

- Analysis on Effect of Later Spring Coldness on Main Traits of Winter Wheat in South Shanxi JING Jinlian, AN Xiaodong, LIU Lingling, et al(1415)

- Correlation Analysis between Chemical Composition and Aroma Components of High Temperature Induced Maturity Tobacco Leaves in Fuzhou Area ZHAO Dongjie, ZHAO Zhe, MAO Yabo, et al(1420)

- Effect of Foliar Spraying SA on the Organic Acids Content of Grape Jizaomi during Berry Development NIU Yanli, DONG Yanmei, ZHANG Pengfei, et al(1426)

- Study on Different Solvent Extracts of Fig Dried Fruit and Its Antioxidative Activity XU Man, ZHANG Jinhua, BAI Baoqing(1430)

- Effect of Light Intensity on Floral Quality and Flowering Time of Lily FAN Junmiao, LIAN Junli, ZHANG Haoyu, et al(1435)

- Effects of Callus from *Panax notoginseng* on Seed Germination of *Paris polyphylla* Smith var. *ynnanensis* SHI Yanbi, WU Wenjun, LIANG Huihui, et al(1438)

●Cultivation

- Effect of Sowing Date on the Agronomic Characters and Yield Components of Different Wheat Varieties ZHANG Fan, HAN Yong, XUE Xin, et al(1441)

- Joint Identification Experiment and Evaluation of Mung Bean Varieties ZHU Huijun, ZHAO Xueying, YAN Hubin, et al(1445)

- Comparative Test of Spring Greenhouse Cabbage Varieties in Jinzhong ZHAO Jun, ZHAO Chengfeng, LI Yan, et al(1449)

- Effects of Different Straw Mulching after Film Uncovered Time on Growth and Quality of Flue-cured Tobacco in Jiangxi MAO Yabo, ZHAO Zhe, ZHAO Dongjie, et al(1453)

- Effects of Different Fiber Mulching Film on Growth and Physiological Characteristics of Strawberry in Plastic Greenhouse ZHOU Ni, YANG Shengying, BAI Sheng, et al(1458)

- Effects of Bag Types and Different Debaging Dates on Fruit Pigmentation of Yuluxiang Pear REN Xiaoyun, WANG Junna, CHEN Yuanyuan, et al(1462)

- Study on the High Yield Management Method in Kernalled Apricot Full Fruiting Period of Hillside Fields in Northern Shanxi Province—A Case of Pingcheng Village in Guangling County XU Xiaoming, XU Yuxia, MA Nan(1466)

- Effect of Different Cutting Substrate Treatments on Rooting of *Thymus mongolicus* Ronn HAO Li, ZHAO Kai, ZHAO Xingsuo, et al(1471)

●Resources and environment

- Effect of Different Nitrogen Fertilization Methods on Grain Filling Rate and Yield of Guomai 301 NI Yongjing, LIU Hongjie, CHEN Lei, et al(1475)

- Effects of Water Preserving Agent with Different Diameters on Soil Moisture and Growth of Oats HUANGFU Hongfang, LI Yinfan, LI Gang, et al(1480)

- Effect of Organic Fertilizer on Nitrogen Uptake and Utilization of Maize SHAO Hongying, JIAO Feng, ZHANG Xingmei, et al(1483)

- Differences of Different Genotype Peanut Varieties on Major Nutrient Element Uptake, Distribution and Utilization in Fluvio-aquic Soil Area SI Xianzong, ZHANG Xiang, SUO Yanyan, et al(1487)

- Effects of Commercial Organic Manure and Chemical Fertilizer on Nutrient Absorption and Nicotine Synthesis in Flue Cured Tobacco FENG Houping, CHEN Dairong, LIANG Yongjiang, et al(1492)

- Study on Field Fertilizer Efficiency of Innovative Nitrogen Fertilizer in Medium-low Yielded Farmland JIN Hui, HAN Weihong, MA Huimin, et al(1499)

- Investigation and Evaluation of Soil Nutrient Status in Major Mountain Apple Ochards in Yulin XIANG Weiwei, DUAN Yizhong, WANG Jianwu, et al(1503)

- Dynamic Study of Regional Water Resources Ecological Deficit at the Middle Yellow River (from Yumenkou to the Entrance at Fenhe River) LI Ruijia, SONG Houjuan, ZHAO Bingqing, et al(1507)

- Evaluation of Diatom and Water Quality in Shanxi Zhangze Reservoir in Spring LIU Yang, FENG Jia, LIU Qi, et al(1513)

- Study on Characteristics of Seedling Recruitment in Guandi Mountain Natural Secondary Coniferous Forests of *Picea asperata* WANG Xugang, HAN Youzhi, XU Zhuojing, et al(1517)

- Survey on Plant Species and Distribution in Almond Forest and Its Surrounding Areas in Fenxi County HE Yong, CHEN Jie, LI Jinling, et al(1521)

- Plant protection

- Screening and Identification of Antagonistic Actinomycetes against *Pyricularia setariae* Nishik and Analysis of Its Antipathogenic Activity NIU Qianyun, LIU Liqing, SUN Shuo, et al(1525)

- Animal husbandry and veterinary

- Effects of Different Levels of Inulin in Daily Ration on Performance of White Feather Broilers CHEN Ze, SHANGGUAN Mingjun, DU Bin, et al(1530)

- Information technology

- Design and Test of Intelligent Irrigation Control System for Water and Fertilizer Integration of Facilities Vegetables ZHANG Xuefei, PENG Kai, WANG Jianchun, et al(1534)

- Agricultural economy

- Effect of Cotton Target Price Subsidy Policy on Cotton Production in Manas County LIU Le, MA Ying(1539)

- Study on Post-evaluation of Comprehensive Benefit in Rural Land Renovation Project—Take Two Villages in Ningxiang County of Hunan Province as an Example LIU Chuojie, YU Yao, LI Shuai(1543)

- Review

- Research Progress on the Application SNP Marker in Genetic Breeding of Wheat XU Taoyu, TANG Zhaozhu, WANG Changbiao, et al(1549)

- Research Progress on Phytophthora Infestans of Adzuki Bean JI Wenwen, ZHANG Zeyan, ZHANG Yaowen, et al(1553)

- Effects of Biochar on Soil Improvement and Tobacco Leaf Quality SUN Jingguo, SUN Guangwei, WANG Changjun, et al(1557)

- Research Progress on Remediation of Heavy Metal Contaminated Soils with Different Kinds of Passivation Agents QU Fei, FAN Chengwu, LIU Guihua, et al(1561)

- Research Progress on Management Technology and Effect Evaluation of Near-natural Forestry Management in China HE Zhilong, ZHANG Yunxiang, GUO Jinping(1566)

- Research Progress of the Ultrasonic Assisted Pollen-mediated Transgene Method WANG Changbiao, DU Jianzhong, ZHAO Xinghua, et al(1571)

- Research Progress of Mammalian Cloning Technology ZHANG Ronghua, WANG Xi, LI Wufeng(1577)

山西農業科學

JOURNAL OF SHANXI AGRICULTURAL SCIENCES

《山西农业科学》编委会

主任：乔雄梧

副主任：陈明昌 翡增顺（常务）

委员：（按姓氏笔画排列）

卫云宗	王云山	王节之	王福传	王春珍
牛自勉	毛杨毅	田建保	白琪林	乔雄梧
乔燕祥	刘学义	孙毅	孙振	闫文泽
陈明昌	陈永欣	张剑国	张福耀	杨效民
李永山	李建华	罗建军	畅志坚	陕方
贺东昌	南建福	宸锁成	梁吉义	焦晓燕
翡翠增顺				

主编：宸锁成

责任编辑：杜慧平

英文编辑：肖北鹰（特邀）

电脑照排：赵明

山西农业科学

(1961年1月创刊)

2017年第45卷第9期

(月刊 每月20日出版)

Journal of Shanxi
Agricultural Sciences

Vol. 45 No. 9 2017

(Monthly)

主管主办：山西省农业科学院

编辑出版：《山西农业科学》编辑部

地 址：太原市龙城大街81号

邮政编码：030031

电 话：0351-7089783 7075565

电子信箱：sxnykx@126.com

印 刷：山西省农业科学院文印中心

发 行：山西省邮政报刊发行局

邮发代号：22-24

Administrator Sponsor Shanxi Academy of Agricultural Sciences

Editor Publisher Editorial Department of Journal of Shanxi

Agricultural Sciences

Address 81 Longcheng Street Taiyuan

Postcode 030031

Telephone 0351-7089783 7075565

E-mail sxnykx@126.com

Printer Printing Centre of Shanxi Academy of

Agricultural Sciences

Distribution Bureau of Shanxi Post Office

Mail Code 22-24

中国标准连续出版物号：ISSN 1002-2481
CN 14-1113/S

发行范围：公开

定价：8.00元