



ISSN 1002-2481

CN 14-1113/S

山西農業科學

JOURNAL OF SHANXI AGRICULTURAL SCIENCES

SHANXI NONGYE KEXUE

第43卷第12期（总第358期）

（卷终）

- 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

2015 12
Vol.43 No.12

ISSN 1002-2481



9 771002 248110

万方数据

山西省农业科学院 主办

目 次

遗传育种

- 优质高产玉米杂交种东润 88 的选育及应用 任志强, 杨慧珍, 肖建红, 等(1567)
耐密型新选玉米杂交种比较试验 许晶, 李素玲, 车星星, 等(1570)
大豆新品种品豆 16 的选育及配套栽培技术 张海平, 王志, 李原萍(1573)
基于表型性状的辣椒资源遗传多样性分析 马蓉丽, 焦彦生, 成妍, 等(1577)
抗裂新品种晋园红枣的选育 马光跃, 陈红玉, 申仲妹, 等(1582)

生物技术

- 水稻耐盐基因 *ZFPI* 及蛋白的生物信息学分析 孙亚莉, 郝辉芳, 郭梦瑶(1585)
柽柳的组织培养研究 宿炳林(1589)

生理生化

- 温度对大白菜胞质型雄性不育系败育的影响 兰创业(1591)
连翘生晒果实和干燥叶片总 DNA 提取方法比较 王嘉荟, 王琳, 王金胜, 等(1594)

耕作与栽培

- 山西中西部汾豌豆 1 号复播玉米栽培模式及操作规程 王彩萍, 侯小峰, 赵吉平, 等(1598)
梨树枝组结果方式对果实品质的影响 蔚露, 牛自勉, 李全, 等(1601)
井窖覆膜处理对温湿度、烟苗根系和农艺性状的影响 马云飞, 魏建科, 熊承飞, 等(1605)

资源与环境

- 孝义市旱地玉米“3414”肥效试验 高晓霞(1609)
消毒鸡粪施用量对基质栽培韭菜生长及产量的影响 许国升, 丁一峰, 于咏梅, 等(1613)
山西旱地苹果园生物基质覆盖技术试验 马晋宏, 任永玲, 范颖, 等(1617)
Hg, Cr 和 Pb 及其交互作用对绿豆光合特性影响 郭锋, 樊文华(1620)
大同大学周边地区鳞翅目昆虫调查初报 王志超, 赵海雁(1624)
鲢鱼对富营养化水体中藻类的滤食 梁新艳, 王翠红(1627)
太原市污灌区土壤镉和铅有效态研究 吕佳莉, 刘小娟, 王振涛, 等(1632)
居住区环境景观设计探析 梁辰鑫(1638)
河岸缓冲带水土保持效益研究 白芝兵, 任改(1641)

植物保护

- 晋北地区草原害鼠及防治 姜树珍, 关望源, 武小梅, 等(1644)
利用 4 种因子预测小地老虎的发生趋势 杨俊德, 李唐, 王晋瑜, 等(1648)
甲基硫菌灵悬浮剂的高效液相色谱分析 代园凤, 陈雪, 黄化刚, 等(1652)

贮藏与加工

- 可食用大豆分离蛋白膜的研制 王瑞, 于艳琴, 白建, 等(1655)

质量与安全

- 蔬菜质量安全关键在生产过程的管控 马利平, 郝变青, 朱九生, 等(1659)

信息技术

- 四川育种攻关数据共享平台应用研究 曹艳, 雷波, 胡亮, 等(1663)

农业工程

- 秸秆育苗钵产品特性分析 王慧杰, 冯瑞云, 杨淑巧, 等(1668)

畜牧兽医

- Myf5* 基因多态性与山羊生长性能的相关性分析 姚毅, 马红艳, 吕学斌, 等(1672)
不同处理豆粕日粮对舍饲羔羊生产性能的影响 张红岗, 王芳, 张变英, 等(1676)
埋植褪黑激素对獭兔生长发育、毛皮质量及屠宰性能的影响 牛晓艳, 郑建婷, 曹亮, 等(1679)
猪链球菌病的发病特点及防控措施 王志俊, 穆秀梅, 王红宝, 等(1684)

农业经济

- 我国现阶段特色农产品营销现状及策略应对——以山东为例 刘艳蓉(1687)
我国农产品网络营销存在的问题与对策 梁瑞仙(1690)
物联网视角下鲜活农产品流通问题及对策探析 张小蓉, 赵敏(1693)
山西省农民专业合作社规范化建设问题探析 赵钰(1697)
“到村到户”精准扶贫模式实践及其启示探究——以贵州省毕节市为例 贾文龙(1701)
基于 RS 和 GIS 的溧阳市建设用地和耕地用地矛盾分析 梁雨桐, 龚志冬(1706)

综述

- 异源细胞质育种技术在小麦遗传育种研究中的应用 李亚莉, 崔婷, 董艳辉, 等(1710)
太谷核不育小麦在山西的利用与研究进展 温辉芹, 裴自友, 侯美莲, 等(1715)
芝麻病毒病研究进展 燕照玲, 任银玲, 刘毓侠(1718)
植物光信号传导途径中重要调控基因概述 丁超, 张树伟, 王新胜, 等(1724)
植物叶蛋白提取及应用前景 王震, 乔天磊, 霍乃蕊, 等(1727)

CONTENTS

● Genetics and breeding

- The Breeding and Application of Hybrid Maize Variety Dongrun 88 with Good-quality and High Yield REN Zhi-qiang, YANG Hui-zhen, XIAO Jian-hong, et al(1567)
Comparative Studies of the New Compact Corn Hybrids XU Jing, LI Su-ling, CHE Xing-xing, et al(1570)
Selection and Cultivation Technology of New Soybean Cultivar Pindou 16 ZHANG Hai-ping, WANG Zhi, LI Yuan-ping(1573)
Analysis on Genetic Diversity of Pepper Resources Based on Phenotypic Traits MA Rong-li, JIAO Yan-sheng, CHENG Yan, et al(1577)
Breeding of a New Variety with Anti-crack of *Zizyphus jujuba* Mill. Jinyuanhong MA Guang-yue, CHEN Hong-yu, SHEN Zhong-mei, et al(1582)

● Biotechnology

- Bioinformatics Analysis of Rice Salt Tolerance *ZFP1* Gene and Protein SUN Ya-li, HAO Hui-fang, GUO Meng-yao(1585)
Study on Tissue Culture of *Tamarix chinensis* SU Bing-lin(1589)

● Physiology and biochemistry

- Effect of Temperature on Aborted Bud of Chinese Cabbage Cytoplasmic Male Sterile Lines LAN Chuang-ye(1591)
Comparative on Extraction Method of Total DNA from Sun-dried Fruits and Dried Leaves of *Forsythia suspense* WANG Jia-hui, WANG Lin, WANG Jin-sheng, et al(1594)

● Cultivation

- Cultivation Model of Fen Pea 1 Quadric Sowing Corn and Operation Rules in Midwest Shanxi WANG Cai-ping, HOU Xiao-feng, ZHAO Ji-ping, et al(1598)
Influence of the Length of Fruit-bearing Branch to the Fruit Quality of Pear in Open Center Tanning System YU Lu, NIU Zi-mian, LI Quan, et al(1601)

- Effect of Plantlet Transplanting in Well-cellars with Film-mulching on Temperature and Moisture, Tobacco Root System and Agronomic Characters MA Yun-fei, WEI Jian-ke, XIONG Cheng-fei, et al(1605)

● Resources and environment

- Study on Dryland Maize "3414" Fertilizer Experiment in Xiaoyi City GAO Xiao-xia(1609)
Effects of Different Doses of Sterilized Chicken Manure on Growth and Yield of Chinese Chive XU Guo-sheng, DING Yi-feng, YU Yong-mei, et al(1613)

- Study on the Technology of Biological Matrix Cover at Dryland Orchards in Shanxi MA Jin-hong, REN Yong-ling, FAN Ying, et al(1617)
Effects of Hg, Cr, Pb and Their Interaction on Photosynthesis Characteristics of Mung Bean GUO Feng, FAN Wen-hua(1620)

- Report on the Investigation of Lepidoptera in Surrounding of Shanxi Datong University WANG Zhi-chao, ZHAO Hai-yan(1624)
Filter Feeding of Silver Carp on Algae in Eutrophic Water LIANG Xin-yan, WANG Cui-hong(1627)

- Study on Available Contents of Cd and Pb in Sewage-irrigated Soils in Taiyuan LYU Jia-li, LIU Xiao-juan, WANG Zhen-tao, et al(1632)
Comprehensive Analysis of Residential Environmental Landscape Design LIANG Chen-xin(1638)

- Study on Soil and Water Conservation Benefit of Riparian Buffer Zone BAI Zhi-bing, REN Cai(1641)

● Plant protection

- Grassland Rodent Prevention and Control in Northern Shanxi JIANG Shu-zhen, GUAN Wang-yuan, WU Xiao-mei, et al(1644)
Prediction of *Agrotis ipsilon* (Rottemberg) Occurrence Tendency by Using 4 Factors YANG Jun-de, LI Tang, WANG Jin-yu, et al(1648)
Analysis of Thiophanate-methyl in Suspension Concentrate by High Performance Liquid Chromatography DAI Yuan-feng, CHEN Xue, HUANG Hua-gang, et al(1652)

● Storage and processing

- Preparation of Soybean Protein Isolate-based Food Packaging Films WANG Rui, YU Yan-qin, BAI Jian, et al(1655)

● Quality and safety

- The Key Points of Vegetable Quality and Safety: Management and Control of Vegetable Production Process MA Li-ping, HAO Bian-qing, ZHU Jiu-sheng, et al(1659)

● Information technology

- Study on the Application of Breeding Cooperation Data Sharing Platform of Sichuan Province CAO Yan, LEI Bo, HU Liang, et al(1663)

● Agricultural engineering

- Product Features Study and Analysis of Straw Block WANG Hui-jie, FENG Rui-yun, YANG Shu-qiao, et al(1668)

● Animal husbandry and veterinary

- Association of Polymorphisms of *Myf5* Gene with Growth Performances in Goats YAO Yi, MA Hong-yan, LYU Xue-bin, et al(1672)
The Influence of Different Processed Soybean Meal on the Feeding Lamb Performance ZHANG Hong-gang, WANG Fang, ZHANG Bian-ying, et al(1676)

- Effect of Implanting Melatonin on Growing Development, Fur Quality and Carcass Traits of Rex Rabbit NIU Xiao-yan, ZHENG Jian-ting, CAO Liang, et al(1679)

- Clinical Characteristics and Measures of Prevention and Control of Streptococcus suis WANG Zhi-jun, MU Xiu-mei, WANG Hong-bao, et al(1684)

● Agricultural economy

- Marketing Status and Countermeasures of Characteristic Farm Products at the Present Stage in China—A Case of Shandong Province LIU Yan-rong(1687)

- Problems and Countermeasures of Agricultural Products Network Marketing in China LIANG Rui-xian(1690)

- Explore and Analyse the Problems and Countermeasures in Fresh Agricultural Products Circulation under the Perspective of the Internet of Things ZHANG Xiao-rong, ZHAO Min(1693)

- Study on Standardization of Farmer Professional Cooperative in Shanxi Province ZHAO Yu(1697)

- The Exploration on the Practice of the Mode of Targeted Poverty Reduction to the Villages and Households and Its Enlightenment—A Case of Bijie City of Guizhou Province JIA Wen-long(1701)

- Analysis of the Contradiction between Land for Construction and Arable Land in Liyang Based on RS and GIS LIANG Yu-tong, GONG Zhi-dong(1706)

● Review

- Application of Breeding Technology of Alloplasmic Cytoplasms in Wheat Genetics and Breeding Research LI Ya-li, CUI Ting, DONG Yan-hui, et al(1710)

- Research Progress and Application of Taigu Male-sterile Wheat in Shanxi Province WEN Hui-qin, PEI Zi-you, HOU Mei-lian, et al(1715)

- Research Progress on Sesame Virus Disease YAN Zhao-ling, REN Yin-ling, LIU Yu-xia(1718)

- Review on Key Regulatory Genes of Light Signal Transduction Pathway in Plant DING Chao, ZHANG Shu-wei, WANG Xin-sheng, et al(1724)

- Extract of Leaf Protein and Its Application Prospects WANG Zhen, QIAO Tian-lei, HUO Nai-rui, et al(1727)

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：李素娟

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)

2015年第43卷第12期

(月刊 每月20日出版)

**Journal of Shanxi
Agricultural Sciences**

Vol. 43 No. 12 2015

(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