



ISSN 1002-2481
CN 14-1113/S

山西農業科學

JOURNAL OF SHANXI AGRICULTURAL SCIENCES

SHANXI NONGYE KEXUE

第40卷第10期（总第320期）

- 中国科技核心期刊
- 中国科学引文数据库（CSCD）来源期刊
- 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

2012 10
Vol.40 No.10

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

- 抗白粉病小偃麦衍生品系高分子量麦谷蛋白亚基分析 张晓军, 畅志坚, 阎晓涛, 等(1023)
高产、优质大豆新品种 L-6 的选育 张海生, 李秀珍, 吴聚兰, 等(1026)
晋中市谷子品种比较试验 穆婷婷, 张福耀, 张晋, 等(1029)
灰色关联分析方法在作物育种上的应用 赵玉坤, 高根来, 王向东, 等(1032)

生理生化

- 水分亏缺对玉米籽粒形成的影响 梁哲军, 齐宏立, 王玉香, 等(1035)
枣树不同品种、发育时期和器官的水溶性多糖含量研究 赵爱玲, 李登科, 王永康, 等(1040)
核桃优良品种枝条抗寒性生理生化指标分析 王勇, 宋艳波, 乔永胜, 等(1044)

耕作与栽培

- 施用畜禽粪肥对旱地玉米生产力的影响 周静, 籍增顺, 李永平, 等(1049)
沼液在设施番茄栽培中的应用 程永刚, 景小兰, 曹昌林, 等(1055)
提高板枣栽植成活率关键技术研究 赵月香, 马艳, 刘贤谦(1058)
荞麦芽苗菜品种及种植方法研究 张治家, 张筱秀, 张红, 等(1061)
玉米秸秆基质压缩块栽培双孢菇 石建森, 武旭, 李青, 等(1064)

资源与环境

- 不同施肥方式对玉米产量和温室气体排放的影响 郭耀东, 邬刚, 武小平, 等(1067)
微生物复垦技术在矿区生态重建中的应用 常勃, 李建华, 卢朝东, 等(1071)
山西省农业环境污染问题及对策 赵明, 赵瑞萍, 赵亮(1075)

植物保护

- 己唑醇微乳剂对苹果斑点落叶病的防治效果 高越, 刘中芳, 王振, 等(1078)
几种杀虫剂对菜蚜和小菜蛾的防治效果及应用技术研究 朱九生, 王静(1081)
万寿菊杀菌素水乳剂对尖孢镰刀菌侵染活性的影响 孙芬变, 王金胜(1085)
利用枣果饲养桃蛀果蛾技术 王旭, 赵飞, 李捷, 等(1088)
隰县鼠类天敌食性研究及控害作用评估 邹波, 郭永旺, 侯玉, 等(1091)
雄性不育剂对农田害鼠的防控效果 杨新根, 侯玉, 朱文雅, 等(1095)
植物源引诱剂对双条杉天牛发生期预测预报及防治试验 刘先生, 刘源源, 陈红凤, 等(1099)

畜牧兽医

- 猪细小病毒和猪圆环病毒 2 型多重 PCR 检测方法的建立与应用 樊振华, 王娟萍, 孟帆, 等(1102)
梅山猪及其在山西的利用 焦福林, 李文刚, 吴志娟, 等(1107)
饲喂代乳料对早期断奶羔羊生长发育的影响 王志武, 毛杨毅, 李俊, 等(1110)
高粱壳生物蛋白饲料在养猪业中的应用 杨伟, 白鸿燕, 施保安, 等(1113)
枣花蜜中钾离子含量以及枣花蜜对蜜蜂的影响 马卫华, 申晋山, 郭媛, 等(1115)

综 述

- 酚类物质对葡萄酒品质的影响 贺晋瑜(1118)

宏观农业

- 发展我国杂粮生产的思考 凡兰兴(1121)

CONTENTS

●Genetics and breeding

- Analysis on High-molecular-weight Gluten in Wheat Powdery Mildew Resistance Derived From *Octoploid Tritriticum* ZHANG Xiao-jun, CHANG Zhi-jian, YAN Xiao-tao, et al(1023)

Breeding of High Yield and Fine Quality Soybean Variety L-6 ZHANG Hai-sheng, LI Xiu-zhen, WU Ju-lan, et al(1026)

Comparative Test of Millet Varieties in Jinzhong City MU Ting-ting, ZHANG Fu-Yao, ZHANG Jin, et al(1029)

Application of Grey Relational Analysis to Crop Breeding ZHAO Yu-kun, GAO Gen-lai, WANG Xiang-dong, et al(1032)

●Physiology and biochemistry

- Influence of Water Deficit on Kernel Formation of Maize LIANG Zhe-jun, QI Hong-li, WANG Yu-xiang, et al(1035)

Study the Content of Polysaccharides in Different Cultivars, Growing Periods and Organs in Chinese Jujube

..... ZHAO Ai-ling, LI Deng-ke, WANG Yong-kang, et al(1040)

Analysis of Cold Hardiness Physiological and Biochemical Indexes in Bough of Fine Quality Variety Walnut Tree

..... WANG Yong, SONG Yan-bo, QIAO Yong-sheng, et al(1044)

●Cultivation

Effects of Farm Animal Manure on Productivity of Dryland Cron ZHOU Jing, JI Zeng-shun, LI Yong-ping, et al(1049)

Application of Biogas Slurry in Facility Tomato Cultivation CHENG Yong-gang, JING Xiao-lan, CAO Chang-lin, et al(1055)

Research on Key Technologies of Planting Survival Rate in Banzao ZHAO Yue-xiang, MA Yan, LIU Xian-qian(1058)

Table Purposed Sprouted Buckwheat Buds and Its Cultivation Technology

..... ZHANG Zhi-jia, ZHANG Xiao-xiu, ZHANG Hong, et al(1061)

A Kind Mode of Corn-straw Matrix of Compression Piece in Cultivation of Agaricus Bisporus

..... SHI Jian-sen, WU Xu, LI Qing, et al(1064)

●Resources and environment

Influence of Different Fertilization Modes to Corn Production and Greenhouse Gas Emissions

..... GUO Yao-dong, WU Gang, WU Xiao-ping, et al(1067)

Application of Microbial Reclamation Technology of Ecological Reconstruction in Mining Areas

..... CHANG Bo, LI Jian-hua, LU Chao-dong, et al(1071)

Problems and Measures of Agricultural Environment Pollution in Shanxi Province ZHAO Ming, ZHAO Rui-ping, ZHAO Liang(1075)

●Plant protection

Field Application Technology of Hexaconazole Micro-emulsion on Apple Alternaria Blotch

..... GAO Yue, LIU Zhong-fang, WANG Zhen, et al(1078)

Control Efficacy and Application Technique of Five Insecticides against Aphid and Diamondback Moth in Cabbage Field

..... ZHU Jiu-sheng, WANG Jing(1081)

The Influence of Aqueous Emulsion (AE) of Tagetes on *Fusarium oxysporum* Infect Activity SUN Fen-bian, WANG Jin-sheng(1085)

Technique of the *Carposina sasakii* Breeding with *Zizyphus jujuba* Fruit WANG Xu1, ZHAO Fei1, LI Jie, et al(1088)

Research on Food Habits of Xixian County Rodents Natural Enemies and Evaluation about Its Damage Control

..... ZOU Bo, GUO Yong-wang, HOU Yu, et al(1091)

Control Effects of Triptolide Male Infertility Agents to Vermin Field Mice YANG Xin-gen, HOU Yu, ZHU Wen-ya, et al(1095)

Semanotus bifasciatus Motschuisky Prediction and Control Experiment with Botanical Attractant

..... LIU Guang-sheng, LIU Yuan-yuan, CHEN Hong-feng, et al(1099)

●Animal husbandry and veterinary

Establishment and Application of Multiplex PCR Assay for Detection of Porcine Parvovirus and Porcine Circovirus Type 2

..... FAN Zhen-hua, WANG Juan-ping, MENG Fan, et al(1102)

Meishan Pig and Its Application in Shanxi JIAO Fu-lin, LI Wen-gang, WU Zhi-juan, et al(1107)

Effect of Milk Replacer Feed to Growth of Early Weaning Lamb WANG Zhi-wu, MAO Yang-yi, LI Jun, et al(1110)

Application Effect of Sorghum Hull Biological Protein Feed in Pig Industry YANG Wei, BAI Hong-yan, SHI Bao-an, et al(1113)

The Content of Potassium Ion in Jujube Honey and the Influences of Jujube Honey for Honeybees

..... MA Wei-hua, SHEN Jin-shan, GUO Yuan, et al(1115)

●Review

The Influence of Phenolic Compounds on Wine Quality HE Jin-yu(1118)

●The general

Thought on the Development of Non-staple Crops Production in China FAN Lan-xing(1121)