



ISSN QK1804439
CN 14-1113/S

山西農業科学

JOURNAL OF SHANXI AGRICULTURAL SCIENCES

SHANXI NONGYE KEXUE

第46卷第1期（总第383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

2018 **1**
Vol.46 No.1

ISSN 1002-2481



山西省农业科学院 主办

目次

生物技术

- 糜子特异性 SSR 标记的开发 王璐琳,王瑞云,何杰丽,等(1)
- 利用花粉介导法获得油菜 RNAi 转基因植株 王晓敏,王耀辉,耿思宇,等(5)
- 拮抗菌 XY1 培养条件优化研究 张晓宇,高振峰,张新宪(9)

遗传育种

- 抗矮缩病小麦产量及其关键性状遗传模型分析 范绍强,武银玉,王全亮,等(14)
- 早熟高产优质玉米新品种德朗 118 选育与应用 李中青,李齐霞,祁丽婷,等(18)

生理生化

- 二次通用旋转设计优化电场处理高粱种子萌发条件 张作伟,杜慧玲(21)
- 杜氏盐藻无菌体系的建立 宋程飞,郝敬云,程蔚兰,等(25)

耕作与栽培

- 不同栽培因素对玉米生育期土壤水分及籽粒产量的影响 冯乐勇,郝建平,梁改梅,等(29)
- 不同品种玉米种植密度对其农艺性状及产量的影响 张润生,白永新,李 鹏,等(33)
- 运城地区棉花优化成铃规律研究 梁哲军,王玉香,张冬梅,等(36)
- 高温香菇品种栽培比较试验 李素玲,许 晶,姚六明,等(39)

资源与环境

- 氮磷钾施肥对谷子农艺性状及光合特性的影响 张蕙琪,王宏富,王彦雯(42)
- 追氮时期对谷子穗分化时期农艺性状的影响 王彦雯,段宏凯,邢静烟,等(50)
- 黑腐酸生物有机肥在旱地小麦上的应用效果 杜海平,刘岩明,韩国彪,等(54)
- 不同基质配方对苹果幼苗植株生长特性和光合特性的影响 吕英忠,陈 冲,郭宝贝,等(58)
- 肥料对杏果实裂果的预防效果 宋永宏,杨晓华,李静江,等(62)
- 温室番茄施用黄棕腐植酸钾有机肥效果试验 赵瑞萍,李 斌,许建庆,等(65)
- 氮磷钾肥对百色烟稻轮作区烤烟养分吸收和品质的影响 高华军,范东升,韦 忠,等(68)
- 氮肥基追比对烤烟产量和品质的影响 谭 波(73)
- 混合胺 DETA/MDEA 吸收解吸 CO₂ 的影响因素 张宇婷,王世飞,岳爱琴,等(76)
- 保水剂 CLP 对土壤保肥性的影响 邓秀峰,李兴佐,马云飞,等(81)
- 活性炭对城市景观水体中腐植酸的吸附效应 秦国杰,安晓宁(84)
- 卤阳湖野生植物资源调查与开发利用 李红芳,孙占育,倪士锋(87)
- 介休汾河国家湿地公园植物资源研究 王 涛,樊建文,张永香(91)
- 山西道地中草药分布及种类研究 张 瑞,郭玉永,郝嘉辰,等(95)

植物保护

- 复合微生物菌剂结合阳光消毒治理设施草莓连作障碍的效果 肖 蓉,曹秋芬,李 倩,等(98)
- 近 30 a 农田灯下天蛾种类及消长规律 侯艳红,陈 琦,范志业,等(104)
- 谷子种衣剂包衣方案的探讨 张家齐,闫海燕,张海剑,等(108)

畜牧兽医

- 不同音乐对奶牛产奶量的影响 马小艳,吴雨霏,王东海,等(112)

贮藏与加工

- 山苍籽精油对樱桃番茄采后常温保鲜品质变化的影响 王自鹏,贺红宇,刘 培,等(117)

农业经济

- 农业供给侧改革背景下我国未来农业发展思考 左海霞,李万明(122)
- 新疆畜牧业经营主体扶持政策效果分析 王 惠,李 捷,马永仁,等(126)
- 土地确权背景下农民土地流转意愿影响因素实证研究——以山西省洪洞县为例 郭晨阳,陕永杰(130)

综 述

- 小麦花药培养各种影响因子的研究进展 董艳辉,赵兴华,李亚莉,等(135)
- 棉花突变体种质资源创制概述 马燕斌,王 霞,张树伟,等(138)
- 2 种人工诱导玉米孤雌生殖育种方法的比较 张广峰,卢保红,孟丽霞,等(141)
- 世界草莓属种质资源种类与分布综述 侯丽媛,董艳辉,聂园军,等(145)
- 重金属污染土壤的微生物修复技术探讨 郝雅静,李建华,靳东升,等(150)

CONTENTS

●Biotechnology

- Development of Specific SSR Marker in Common Millet WANG Lulin, WANG Ruiyun, HE Jieli, et al(1)
- Recovery of RNAi Plants in Brassica napus with Pollen-mediated Transformation WANG Xiaomin, WANG Yaohui, GENG Siyu, et al(5)
- Study on Optimization of *Pseudomonas aeruginosa* XY1 Culture Conditions ZHANG Xiaoyu, GAO Zhenfeng, ZHANG Xinxian(9)

●Genetics and breeding

- Genetic Model Analysis on Yield and Key Characters of Wheat Resistant Wheat Dwarf Virus
..... FAN Shaoqiang, WU Yinyu, WANG Quanliang, et al(14)
- Breeding and Application of the New Maize Variety Delang 118 with Early Maturity, High Yield and Good Quality
..... LI Zhongqing, LI Qixia, QI Liting, et al(18)

●Physiology and biochemistry

- Study on the Optimization Condition of Electric Field Producing Sorghum Seeds to Promote Germination by Quadratic General
Spinning Design ZHANG Zuowei, DU Huiling(21)
- Establishment of Aseptic System of *Dunaliella salina* SONG Chengfei, HAO Jingyun, CHENG Weilan, et al(25)

●Cultivation

- Effects of Different Cultivation Factors on Soil Water Content and Grain Yield during Growth Period of Maize
..... FENG Leyong, HAO Jianping, LIANG Gaimei, et al(29)
- Effects of Planting Density on Agronomic Characters and Yields of Different Maize Varieties ... ZHANG Runsheng, BAI Yongxin, LI Peng, et al(33)
- Study on the Optimization of Cotton Bolling Rule in Yuncheng Area LIANG Zhejun, WANG Yuxiang, ZHANG Dongmei, et al(36)
- Comparison Experiment of High Temperature *Lentinula edodes* Varieties LI Suling, XU Jing, YAO Liuming, et al(39)

●Resources and environment

- Effect of NPK Combination on the Agronomic Characters and Photosynthetic Characteristics of Foxtail Millet
..... ZHANG Huiqi, WANG Hongfu, WANG Yanwen(42)
- Effect of Nitrogen Topdressing Period on Agronomic Characters of Millet during the Spike Differentiation Period
..... WANG Yanwen, DUAN Hongkai, XING Jingyi, et al(50)
- Application Effect of Black Humic Acid Bioorganic Manure in Dryland Wheat Planting DU Haiping, LIU Yanming, HAN Guobiao, et al(54)
- Effects of Different Substrate Formulas on Growth Characteristics and Photosynthetic Characteristics of Apple Seedling
..... LÜ Yingzhong, CHEN Chong, GUO Baobei, et al(58)
- Control Effect of Fertilizer on Fruit Cracking of *Armeniaca vulgaris* Lam. SONG Yonghong, YANG Xiaohua, LI Jingjiang, et al(62)
- Effect of Potassium Humate Organic Fertilizer on Tomato In Greenhouse ZHAO Ruiping, LI Bin, XU Jianqing, et al(65)
- Effects of Nitrogen, Phosphorus and Potassium Fertilizer on Nutrient Uptake and Quality of Flue-cured Tobacco in Baise Tobacco-rice
Rotation Area GAO Huajun, FAN Dongsheng, WEI Zhong, et al(68)
- Effect of Ratio between Basal and Top-dressing of Nitrogen on Yield and Quality of Flue-cured Tobacco TAN Bo(73)
- Study on Influence Factors of CO₂ Absorption and Desorption Processes in Aqueous Solution of DETA/MDEA
..... ZHANG Yuting, WANG Shifei, YUE Aiqin, et al(76)
- Effects of Water Retention Agent CLP on Soil Fertility DENG Xiufeng, LI Xingzuo, MA Yunfei, et al(81)
- Adsorption Effect of Powdered Activated Carbon on Humic Acid in Urban Landscape Water QIN Guojie, AN Xiaoning(84)
- Investigation and Development and Application of Wild Plant Resources in Luyanghu Lake LI Hongfang, SUN Zhanyu, NI Shifeng(87)
- Study on Plant Resources of the National Wetland Park of Fenhe River in Jiexiu WANG Tao, FAN Jianwen, ZHANG Yongxiang(91)
- Study on the Distribution and Species of Genuine Chinese Herbal Medicine in Shanxi ZHANG Rui, GUO Yuyong, HAO Jiachen, et al(95)

●Plant protection

- Effects of Compound Microbial Inoculant in Combination with Solarization Treatment on the Control of Strawberry's Continuous
Cropping Obstacle in Protected Cultivation XIAO Rong, CAO Qiufen, LI Qian, et al(98)
- Sphingidae Species under Lamp in Farmland and Light-trapped Population Dynamics in Recent 30 Years
..... HOU Yanhong, CHEN Qi, FAN Zhiye, et al(104)
- Discussion on the Coating Scheme of Different Seed Coating Agent of Millet ZHANG Jiaqi, YAN Haiyan, ZHANG Haijian, et al(108)

●Animal husbandry and veterinary

- Effects of Different Music on Milk Performance of Dairy Cows MA Xiaoyan, WU Yufei, WANG Donghai, et al(112)

●Storage and processing

- Effect of Litsea Cubeba Oils on the Quality Change of Cherry Tomatoes Preservation at Room Temperature
..... WANG Zipeng, HE Hongyu, LIU Pei, et al(117)

●Agricultural economy

- Reflection on the Future Agricultural Development of China in the Context of Agricultural Supply-side Reform - - - ZUO Haixia, LI Wanming(122)
- Effect Analysis on Supporting Policy of Xinjiang Animal Husbandry Operating Body WANG Hui, LI Jie, MA Yongren, et al(126)
- Empirical Studies on Influencing Factors of Farmers' Land Transfer Intention in the Background of Land Right Confirmation—Taking
Hongtong County of Shanxi Province as an Example GUO Chenyang, SHAN Yongjie(130)

●Review

- Research Progress on Various Influence Factors of Wheat Anther Culture DONG Yanhui, ZHAO Xinghua, LI Yali, et al(135)
- Review on the Creation of Cotton Mutant Germplasm Resources MA Yanbin, WANG Xia, ZHANG Shuwei, et al(138)
- Comparison of Two Artificially Induced Parthenogenetic Breeding Methods in Maize - - - ZHANG Guangfeng, LU Baohong, MENG Lixia, et al(141)
- Species and Distribution of Germplasm Resources of World *Fragaria* HOU Liyuan, DONG Yanhui, NIE Yuanjun, et al(145)
- Discussion on Microbial Remediation Technology of Heavy Metal Contaminated Soil GAO Yajing, LI Jianhua, JIN Dongsheng, et al(150)

山西农业科学

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 籍增顺（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	扈锁成	梁吉义	焦晓燕
籍增顺				

主 编：扈锁成

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）

2018年第46卷第1期

（月刊 每月20日出版）

Journal of Shanxi Agricultural Sciences

Vol. 46 No.1 2018

（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	Distribution Bureau of Shanxi Post Office
Mail Code	22-24