



中国标准连续出版物号

ISSN0488-5368

CN61-1089/S

# 陕西农业科学

SHAANXI JOURNAL OF AGRICULTURAL SCIENCES



## 本刊荣誉：

- 中国科技核心期刊
- 陕西省优秀期刊

# 2022

第68卷 第8期

Vol.68 No.8

西北农林科技大学 主办

## 目次

### · 综 述 ·

昆虫几丁质合成关键酶功能及其 RNAi 技术在害虫防治中的研究进展 ..... 许静静,李思琪,任梦圆,薛雨欣,李永强(1)

### · 试验研究 ·

蚯蚓肥复配土壤调理剂对毛乌素沙地土壤性质及中科羊草生长的影响 ..... 艾 锋,李 强,任浩东,陈占飞,赵 江,刘 娜,刘艳丽,张凯煜,孙利鹏(11)

壳聚糖对葡萄幼苗生理生态的影响 ..... 张皓然,范中茵,李红春,夏 丹,陈庆华,李洪浩,徐雅欣,廖明安,林立金,胡容平(18)

河北木蓝种子萌发特性研究 ..... 郭丽娜,何必凤(24)

超高效液相色谱-串联质谱检测猪胆粉中黄曲霉毒素的2种前处理方法比较研究 ..... 廖予菲,王 萍,张瑞瑞,程茜菲(29)

铅胁迫下添加硫对小花南芥土壤微生物数量及植株铅累积特性的影响 ..... 李 青,赵秋利,郭 佩,王吉秀(35)

外源不同形态钙及钙铜同施对番茄叶片和果实钙含量及产量的影响 ..... 颜廷帅,时立波,陈 玲,张宝千,窦宝存(41)

普通硅肥与纳米硅肥对烤烟内生真菌种群结构的影响 ..... 穆耀辉,娄慧敏,程亚倩,王军霞,邓金华,郑 玺,叶爱萍,黄金辉,艾绥龙,王平平,张立新(44)

不同冬播栽培模式对糜子生长特性及产量的影响 ..... 李 凯,程炳文,罗世武,杨军学,王 湛,王 勇,张尚沛(52)

不同种植方式对玉米产量要素的影响 ..... 崔爱民,张 松,张 虎,单 皓,张久刚(55)

秸秆覆盖及播量对旱地冬小麦耗水特性及产量的影响 ..... 宋亚丽,张文伟,王亚静,林子君,李可夫(59)

西农 529 小麦在关中东部灌区的播期与密度研究 ..... 武 蓉,韩永宏,杨 萍,李新军,王 薇,段福建(63)

河南省登记高油酸花生品种主要品质指标变异及系谱分析 ..... 郑青焕,李拴柱,任 丽,宋江春,王建玉,张秀阁(67)

高出仁率高抗青枯病花生品种濮花 36 号的特性分析 ..... 李振华,董晓月(72)

不同施肥处理对春季生菜土壤酶活性的影响 ..... 阎佩云,吴 月,贾小卫(76)

五尖槭种子休眠温度特性研究 ..... 王东洪(80)

外源海藻糖对草莓保鲜效果的影响 ..... 郝乾坤,王智民,童开林(84)

夜冷短日对‘红颜’草莓花芽分化、物侯期及产量的影响 ..... 王 培,李军见(88)

高温胁迫对辣椒果实活性氧代谢的影响 ..... 梁宝萍,段 莹,姜 俊,姬宇飞,陈 杰,董帅厅,杨瑞晗(93)

冀西北地区不同葡萄砧木生长及抗寒性比较分析 ..... 王伟军,郝建宇,陈文朝,刘晶晶,吕丽霞,李 峰(97)

油菜素内脂和赤霉素对高山杜鹃种子萌发的影响研究 ..... 余 鸽,李小玲(103)

播期、播量和施氮水平对‘西农 109’小麦生长及产量的影响 ..... 王志成,李肇尘,孙凤丽,李春艳,张立强,张 超,刘曙东,奚亚军(108)

不同配方油菜缓控释肥比较试验研究 ..... 瞿利英,史莉娜,屈发科,葛 茜,周子凡,李小军,赵 芬(115)

### · 实用技术 ·

西安地区芹菜秋季露地栽培技术 ..... 刘海衡,余 剑,耿腾飞,郭智勇,李 俊,张 洁,王亚刚(118)

期刊基本参数: CN61-1089/S \* 1955 \* b \* A4 \* 120 \* zh \* P \* ¥15.00 \* 1500 \* 24 \* 2022-08

主 编: 夏显力 常务副主编: 杨继涛

责任编辑: 杨继涛 英文编辑: 强百发

# SHAANXI JOURNAL OF AGRICULTURAL SCIENCES

Number 8 Aug. 2022 Total 505

## Contents

### Review

Advance of Research in Function of Key Enzymes Involving in Chitin Synthesis and Their Application Combined with RNAi Technique in Pest Control ..... XU Jingjing, *et al.* (1)

### Experimental Study

Effects of Earthworm Fertilizer Combined with Soil Conditioner on Soil Properties and Growth of *Leymus Chinensis* in Mu Us Sandy Land ..... AI Feng, *et al.* (11)

Effect of Chitosan on Physiology and Ecology of Grape Seedlings ..... ZHANG Haoran, *et al.* (18)

Study on Germination of *Indigofera bungeana* Walpers Seeds ..... GUO Lina, *et al.* (24)

Comparison of Two Pretreatment Methods for Determination of Aflatoxin in *Suis Fellis Pulvis* by UPLC-MS/MS ..... LIAO Yufei, *et al.* (29)

Effect of Sulfur Addition on Soil Microbial Quantity and Lead Accumulation Characteristics of *Arabis alpina* L Plant under Lead Stress ..... LI qing, *et al.* (35)

Effects of Different Forms of Exogenous Calcium and Application of Calcium and Copper on Calcium Content and Yield of Tomato ..... YAN Tingshuai, *et al.* (41)

Effects of Ordinary and Nano-silicon Fertilizers on Population Structure of Endophytic Fungi in Flue-cured Tobacco ..... MU Yaohui, *et al.* (44)

Effects of Different Cultivation Patterns in Winter on Growth Characteristics and Yield of Broomcorn Millet ..... LI Kai, *et al.* (52)

Effects of Different Planting Patterns on Yield Factors of Maize ..... CUI Aimin, *et al.* (55)

Effects of Straw Mulching and Planting Density on Water Consumption Characteristics and Yield of Wheat ..... SONG Yali, *et al.* (59)

Study on Sowing Date and Density of Xinong 529 in Irrigation Area of Eastern Guanzhong ..... WU Rong, *et al.* (63)

Variation of Main Quality Indexes and Pedigree Analysis of Registered High-oleic Acid Peanut in Henan ..... ZHENG Qinghuan, *et al.* (67)

Characteristic Analysis of Peanut Puhua 36 with High Kernel Percentage, High Resistance to Bacterial Wilt ..... LI Zhenhua, *et al.* (72)

Effects of Different Fertilization Treatments on Soil Enzyme Activities in Lettuce Field in Spring ..... YAN Peiyun, *et al.* (76)

Study on Characteristics of *Acer maximowiczii* Seeds Dormancy Temperature ..... WANG Donghong (80)

Effect of Exogenous Trehalose on Preservation of Strawberry ..... HAO Qiankun, *et al.* (84)

Effect of Night Chilling and Short Day on Floral Bud Differentiation, Phenophase and Yield in 'Benihoppe' Strawberry ..... WANG Pei, *et al.* (88)

Effect of High - temperature Stress on Active Oxygen Metabolism in *Capsicum annuum* L Fruit ..... LIANG Baoping, *et al.* (93)

Comparative Analysis of Growth and Cold Resistance of Different Grape Rootstocks in Northwest Hebei ..... WANG Weijun, *et al.* (97)

Effects of Brassinolide and Gibberellin on Seed Germination of *Rhododendron Lapponicum* ..... YU Ge, *et al.* (103)

Effects of Sowing Date, Sowing Amount and Nitrogen Application Level on Growth and Yield of Wheat 'Xinong 109' ..... WANG Zhicheng, *et al.* (108)

Comparative Experiment of Rapeseed Slow and Controlled Release Fertilizers with Different Formulations ..... QU Liying, *et al.* (115)

### Practical Technology

Autumn Cultivation Technique of Celery in Open Filed in Xi'an ..... LIU Hai heng, *et al.* (118)