

江苏农业科学

第 52 卷 第 9 期 2024 年 5 月 5 日

目 次

● 专论与综述

硝化/脲酶抑制剂和生物炭对设施农业土壤微生物及碳氮循环影响的研究进展

..... 郭延轲, 赵长盛, 刘伟, 等(1)

玉米籽粒主要品质性状遗传分析与基因定位研究进展 肖艳梅, 高沐甜, 邱冠杰, 等(12)

中国食用菌农药残留研究进展及标准体系建设 李梦姣, 王振军, 郭振营, 等(18)

基于机器视觉的三维重建技术在蔬菜上的应用综述 张铭桂, 瑶俊, 刘厚诚(27)

植物内生菌促生机制及应用研究进展 杨立军, 李少刚, 曹倩, 等(35)

● 生物技术

茶树 GATA 基因家族的全基因组鉴定及表达分析 青亚林, 侯炳豪, 张宇航, 等(42)

滇龙胆 C2H2 基因家族鉴定及响应茉莉酸甲酯诱导表达分析 谷云霞, 王梦琦, 张婷, 等(51)

● 遗传育种与耕作栽培

半深水灌溉持续时间对水稻产量、品质及抗倒性的影响 孙冬, 张耀元, 郭威, 等(58)

减施化肥配施不同生物有机肥对马铃薯的影响 李雅飞, 冯琰, 祁利潘, 等(65)

冀西北地区玉米-大豆带状复合种植鲜食玉米品种筛选 蒋超, 谢世兴, 董晓旭, 等(72)

聚谷氨酸吸水树脂对小麦光合及产量的影响 郭建忠, 李森, 张永康, 等(79)

中、强筋小麦主茎和分蘖对产量与品质贡献差异研究 周小忍, 张宇, 孟维伟, 等(87)

漂浮育苗盘孔数和控水促根育苗措施对烟苗生长发育的影响 旷子扬, 郑宏斌, 文伟康, 等(94)

几种新型肥料对烤烟增产提质效果的比较研究 王子一, 李信, 肖楚文, 等(100)

缺氮胁迫对不同小麦品种幼苗根系和光合荧光特性的影响 安露昌, 李豪杰, 郑梦瑶, 等(106)

不同氮效应对武陵山区雪茄烟生长发育及品质特征的影响 谭永浩, 向东, 刘勇军, 等(112)

结实期水分亏缺对粳稻产量和品质的影响 孙士鑫, 林添, 侯森, 等(120)

26 个甘蔗品种苗期耐酸铝性状的综合评价 曹峥英, 蔡文伟, 武媛丽, 等(128)

缓控释肥料对水稻产量、品质及土壤微生物多样性的影响 刘秋蒙,刘静文,张 满,等(136)

酒用糯高粱萌发期抗旱性鉴定及评价 王 睿,李魁印,董俐利,等(143)

生物炭和氮素互作对土壤化学特性、硅形态及水稻生长的影响 汪 胜,潘韬文,陈剑珠,等(151)

●植物保护

利用抗坏血酸过氧化物酶揭示生防放线菌 XFS - 4 对大豆胞囊线虫的抗性

..... 项 鹏,杨 树,李宝华,等(159)

哈茨木霉对半夏根际微生物群落及茎腐病发生的影响 李 超,杨 宽,李孟芝,等(165)

●园艺与林学

226 份月季种质资源表型多样性分析及综合评价 程雯慧,梁 琪,穆文静,等(173)

生物炭和鸡粪改良剂对铅胁迫下番茄生理生化、铅吸收及土壤性质的影响 胡静姝,周新萍(181)

减氮与配施微生物菌剂对设施番茄产量、品质及氮素吸收的影响 夏渝静,卢树昌,张迎珂(189)

芸苔素内酯喷施对黄瓜幼苗耐旱性的影响 胡永波,雷雨田,杨永森,等(195)

CCC 和 B₉ 对杜鹃花芽诱导及其形态结构和生理生化的影响 罗培润,樊 玥,谢 倩,等(204)

●畜牧兽医与水产蚕桑

广西规模水禽养殖场鸭疫里默氏杆菌的分离鉴定与耐药性分析 陈晓玉,谭奕舟,莫智杰,等(213)

甘草多糖对鸡肉品质及其相关候选基因表达的影响 杨又兵,钱凯凤,卢小宁,等(219)

马冈鹅和泰州鹅粪便微生物区系分析及潜在功能预测 吴云飞,涂远璐,马 曦,等(226)

●农业工程与信息技术

一种水稻害虫的小目标检测方法研究 魏志慧,张 聰,成淳伸,等(232)

基于多尺度注意力机制网络的玉米害虫识别方法 张会敏,吉秉彧,谢泽奇(241)

●资源与环境

不同有机物料还田对麦后复种绿肥模式下植株生长及水分利用的影响

..... 康雨欣,宋明丹,韩 梅,等(248)

保水型高分子材料对滴灌小麦土壤氮素积累及产量的影响 张 苗,洪大双,李紫薇,等(254)

铬污染下丛枝菌根真菌和生物质炭对紫花苜蓿生长和土壤微环境的改良效应

..... 贾相岳,吴文强(263)

基于养分丰缺诊断和主成分分析法对茶园土壤肥力质量的评价 陈清华,罗 鸿,胡双玲,等(271)

减量施氮、秸秆还田和蚯蚓接种对黄河故道区土壤团聚体及有机碳的影响

..... 朱翰绅,徐 聰,吴 迪,等(278)

CONTENTS

Monograph and Review

- Research progress on influences of nitrification/urease inhibitor and biochar on soil microorganisms and carbon nitrogen cycle in protected agriculture *Guo Yanke, et al*(1)
- Research progress on genetic analysis and gene mapping of main quality traits of maize grains *Xiao Yanmei, et al*(12)
- Research progress of pesticide residues in Chinese edible fungi and construction of a standard system *Li Mengjiao, et al*(18)
- Application of machine vision – based 3D reconstruction technology in vegetables: a review *Zhang Minggui, et al*(27)
- Research progress on growth promoting mechanism and application of plant endogenous bacteria *Yang Lijun, et al*(35)

Bio-technology

- Genome – wide identification and expression analysis of *GATA* gene family in *Camellia sinensis* *Qing Yalin, et al*(42)
- Identification of C2H2 gene family of *Gentiana rigescens* and its induced expression responding to MeJA *Gu Yunxia, et al*(51)

Genetics and Breeding · Tillage and Cultivation

- Effects of duration of semi – deep water irrigation on yield, quality and lodging resistance of rice *Sun Dong, et al*(58)
- Impacts of reducing chemical fertilizer combined with different bio – organic fertilizers on potato *Li Yafei, et al*(65)
- Selection of fresh corn varieties for corn – soybean belt compound planting in Northwest Hebei *Jiang Chao, et al*(72)
- Effects of polyglutamic acid water – absorbing resin on photosynthesis and yield of wheat *Guo Jianzhong, et al*(79)
- Study on difference in contribution of main stem and tiller to yield and quality of medium and strong gluten wheat *Zhou Xiaoren, et al*(87)

- Influences of floating seedling tray pore numbers and water control on growth of tobacco seedlings *Kuang Ziyang, et al*(94)
- Comparative research on effects of several new fertilizers on yield and quality improvement of flue – cured tobacco *Wang Ziyi, et al*(100)

- Effects of nitrogen deficiency stress on seedling root system and photosynthetic fluorescence characteristics of different wheat cultivars *An Luchang, et al*(106)

- Influences of different nitrogen effects on growth and quality characteristics of cigar in Wuling mountainous area *Tan Yonghao, et al*(112)
- Effects of water deficit on yield and quality of japonica rice at grain filling stage *Sun Shixin, et al*(120)
- Comprehensive evaluation of aluminum – acid resistance traits of 26 sugarcane cultivars at seedling stage *Cao Zhengying, et al*(128)
- Impacts of slow and controlled release fertilizers on yield, quality and soil microbial diversity of rice *Liu Qiumeng, et al*(136)

Identification and evaluation of drought resistance of glutinous sorghum for wine during germination	Wang Rui, et al(143)
Effects of biochar and nitrogen interaction on soil chemical traits, silicon fractions and rice growth	Wang Sheng, et al(151)

Plant Protection

Revelation of resistance of biocontrol actinomycetes XFS – 4 to <i>Heterodera glycines</i> using ascorbate peroxidase	Xiang Peng, et al(159)
Impact of Trichoderma harzianum on rhizosphere microbial community and stem rot occurrence of <i>Pinellia ternata</i>	Li Chao, et al(165)

Horticulture and Forestry

Phenotypic diversity analysis and comprehensive evaluation of 226 Chinese rose germplasm resources	Cheng Wenhui, et al(173)
Effects of biochar and chicken manure amendments on physiological and biochemical, Pb absorption and soil properties of tomato under Pb stress	Hu Jingshu, et al(181)
Influences of nitrogen fertilizer reduction combined with microbial agents on yield, quality and nitrogen uptake of tomatoes in greenhouse	Xia Yujing, et al(189)
Impacts of brassinolide spraying on drought tolerance of cucumber seedlings	Hu Yongbo, et al(195)
Effects of CCC and B ₉ on bud induction, morphological structure, physiology and biochemistry of Rhododendron	Luo Peirun, et al(204)

Husbandry and Veterinary · Aquaculture and Sericulture

Isolation, identification and drug resistance analysis of <i>Riemerella anatipestifer</i> from some waterfowl farms in Guangxi area	Chen Xiaoyu, et al(213)
Effects of licorice polysaccharides on chicken meat quality and related candidate gene expression	Yang Youbing, et al(219)
Analysis and functional prediction of fecal microbial composition in Magang goose and Taizhou goose	Wu Yunfei, et al(226)

Agricultural Engineering and Information Technology

Study on a small target detection method for rice pests	Wei Zhihui, et al(232)
Maize pest identification method based on multi – scale attention mechanism network	Zhang Huimin, et al(241)

Resources and Environment

Effects of different organic materials returning to field on plant growth and water use under model of multiple cropping of green fertilizer after wheat	Kang Yuxin, et al(248)
Influences of water – retaining polymer materials on soil nitrogen accumulation and yield of wheat under drip irrigation	Zhang Miao, et al(254)
Effects of arbuscular mycorrhizal fungi and biochar on growth of <i>Medicago sativa</i> and soil microenvironment improvement under Cr pollution	Jia Xiangyue, et al(263)
Evaluation of soil fertility quality in tea garden based on nutrient abundance and deficiency diagnosis and principal component analysis	Chen Qinghua, et al(271)
Impacts of reduced nitrogen application, straw returning, and earthworm inoculation on soil aggregate and organic carbon in Yellow River died – riverway	Zhu Hanshen, et al(278)