





目次

● 作物栽培·遗传育种

- 广东省农作物种质资源调查与分析·····吴柔贤,徐恒恒,高家东,邹银涛,陈兵先,张文虎,刘 军 (1)
- 早春热量资源变化及对双季早稻早播的可行性分析·····郭瑞鸽,蔡 哲,刘文英 (12)
- 未来气温和降水变化对山西冬小麦产量的影响·····张玮玮,张建新 (23)
- 甲基磺酸乙酯对穿心莲种子成苗的影响·····周 芳,梅 瑜,顾 艳,蔡时可,王继华 (31)

● 园艺林学

- 基于枝条、叶和花的油梨种质表型多样性分析·····郑 斌,施晓龙,邹明宏 (37)
- 温度对蝴蝶兰成花诱导的影响·····唐芸妃,徐旭华,丰 锋,赖思婷,杨世茵,区健晴,廖 菲 (47)
- 南宁市城市公园绿地立体绿化植物物种及应用调查与分析
·····杨 茜,农文龙,谢万露,韦盛波,和太平 (53)
- Egeria naias* Planch., a Newly Naturalized Aquatic Species in China ·····SU Fan, GUO Yanan, WANG Ruijiang (63)

● 土壤肥料·资源环境

- 广州市郊稻田氮肥减施的产量和氮肥利用效率分析
·····黄巧义,黄 旭,唐拴虎,杜建军,张 木,李 革,付弘婷 (66)
- 植物细胞壁对有害金属与盐分耐受性作用研究进展·····肖京林,覃 美,凌桂芝,黎晓峰 (73)

●植物保护

一株防治黄瓜霜霉病的地衣芽孢杆菌 HS10 的防病机理初探
..... 郑 丽,徐 龙,罗玉明,刘红霞,郭坚华 (81)

茶小绿叶蝉对茶叶生化成分的影响及高效低水溶性药剂防效试验
..... 刘嘉裕,黎健龙,周 波,陈义勇,廖侦成,唐 颢 (88)

昆虫不育分子研究进展.....杨雨航,黄新意,翁群芳 (94)

●贮藏加工·质量安全

14 种高效低风险农药在水稻安全生产中的应用 王思威,孙海滨,段劲生,高同春,逯 州 (105)

基于 GC-MS 技术分析不同贮藏年份陈皮挥发性成分差异
..... 刘丽娜,傅曼琴,徐玉娟,吴继军,余元善,温 靖 (114)

山桐子油脱色工艺优化及其品质效应分析 谢雨芮,王艳梅,耿晓东,王建圆,刘 震,李 志 (121)

●农业工程·信息技术·农业经济

英红九号茶园机械化采摘关键技术研究
..... 赖幸菲,赖兆祥,操君喜,陈海强,吴华玲,周 波,黎秋华,孙世利 (127)

中国橡胶树种植区台风灾害危险性分区 刘少军,蔡大鑫,田光辉,甘业星 (134)

山东省乡村旅游空间分布特征及优化对策研究 包乌兰托亚,马龙波 (141)

基于政策量化的我国耕地保护政策效果评价 张 弛,曹银贵,陈 智,耿明阳,丁 莲,孙术达 (153)

主管 :广东省农业科学院	特邀编委 :
主办 :广东省农业科学院	张 华 广州市农业科学研究院 院长 研究员
华南农业大学	秦晓霜 广州市农业科学研究院 科技与信息部部长 高级农艺师
	林春华 广东农工商职业技术学院 研究员
协办 :广州市农业科学研究院	李新昌 肇庆学院 副院长 研究员
广州花卉研究中心	周晓云 广州花卉研究中心 副主任 高级农艺师
深圳市农业科技促进中心	黄绍宁 深圳市农业科技促进中心 研究员
梅州市农林科学院	谢岳昌 梅州市农林科学院 副院长 高级农艺师

GUANGDONG AGRICULTURAL SCIENCES

(Monthly)

Vol. 47 No. 9 Sep. 2020

MAIN CONTENTS

Crop Cultivation • Genetic Breeding

Investigation and Analysis of Crops Germplasm Resources in Guangdong Province

..... WU Rouxian, XU Hengheng, GAO Jiadong, GAO Yintao, CHEN Bingxian, ZHANG Wenhui, LIU Jun (1)

Thermal Resources Variation in Early Spring and Feasibility Analysis on Early Rice Sowing in Advance in

Double Cropping System GUO Ruige, CAI Zhe, LIU Wenying (12)

Study on the Impact of Projected Temperature and Precipitation Changes on Yields of Winter Wheat in Shanxi

Province..... ZHANG Yiwei, ZHANG Jianxin (23)

Effect of Ethyl Methane Sulfonate on Seedling Formation of *Andrographis paniculata*

..... ZHOU Fang, MEI Yu, GU Yan, CAI Shike, WANG Jihua (31)

Horticulture & Forestry

Analysis on Phenotypic Diversity of Avocado Germplasms Based on Branches, Leaves and Flowers

..... ZHENG Bin, SHI Xiaolong, ZOU Minghong (37)

Effect of Temperature on Flower Induction of *Phalaenopsis amabilis*

..... TANG Yunfei, XU Xuhua, FENG Feng, LAI Siting, YANG Shiyin, OU Jianqing, LIAO Fei (47)

Investigation and Analysis on Species and Application of Vertical Greening Plants in Urban Parks of Nanning City

..... YANG Xi , NONG Wenlong, XIE Wanlu, WEI Shengbo, HE Taiping (53)

Egeria najas Planch., a Newly Naturalized Aquatic Species in China

..... SU Fan, GUO Yanan, WANG Ruijiang (63)

Soil & Fertilizer • Resources & Environment

Effects of Reducing Nitrogen Application on Yield and Nitrogen Utilization Efficiency of Paddy Field in Suburb
of Guangzhou

..... HUANG Qiaoyi, HUANG Xu, TANG Shuanhu, DU Jianjun, ZHANG Mu, LI Ping, FU Hongting (66)

Advances in Studies on the Resistance of Plant Cell Walls to Harmful Metals and Salt

..... XIAO Jinglin, QIN Mei, Ling Guizhi, LI Xiaofeng (73)

Plant Protection

Preliminary Study on the Mechanism of a Strain *Bacillus licheniformis* HS10 against Cucumber Downy Mildew

..... ZHENG Li, XU Long, LUO Yuming, LIU Hongxia, GUO Jianhua (81)

Effect of Tea Leafhopper on the Biochemical Components of Tea and Control Effect of High-efficiency Low Water-soluble Pesticides

..... LIU Jiayu, LI Jianlong, ZHOU Bo, CHEN Yiyong, LIAO Zhencheng, TANG Hao (88)

Advances in Molecular Research of Sterile Insects YANG Yuhang, HUANG Xinyi, WENG Qunfang (94)

Storage & Processing • Quality & Safety

Application of 14 Pesticides with High-Efficiency and Low-Risk in the Safe Production of Rice

..... WANG Siwei, SUN Haibin, DUAN Jinsheng, GAO Tongchun, LU Zhou (105)

Analysis of Differences in Volatile Components of Pericarpium *Citri Reticulatae* in Different Storage Years

Based on GC-MS LIU Lina, FU Manqin, XU Yujuan, WU Jijun, YU Yuanshan, WEN Jing (114)

Optimization of Decolorization Process of *Idesia polycarpa* Maxim. Oil and Analysis of Its Quality Effect

..... XIE Yurui, WANG Yanmei, GENG Xiaodong, WANG Jianyuan, LIU Zhen, LI Zhi (121)

Agricultural Engineering • Information Technology • Agricultural Economy

Study on Key Technologies of Mechanical Picking in Yinghong NO. 9 Tea Garden LAI Xingfei,

LAI Zhaoxiang, CAO Junxi, CHEN Haiqiang, WU Hualing, ZHOU Bo, LI Qiuhua, SUN Shili (127)

Zoning of Typhoon Disaster Risks in Rubber Tree Planting Area of China

..... LIU Shaojun, CAI Daxin, TIAN Guanghui, GAN Yexing (134)

Study on the Spatial Distribution Characteristics and Optimization Strategies of Rural Tourism in Shandong

Province BAO Wulantuoya, MA Longbo (141)

Evaluation of the Effects of Cultivated Land Protection Policies in China Based on Policy Quantification

..... ZHANG Chi, CAO Yingui, CHEN Zhi, GENG Mingyang, DING Lian, SUN Shuda (153)

本刊声明: 本刊已许可中国学术期刊全文数据库、万方数据 - 数字化期刊群、中文科技期刊数据库、超星数字图书馆等国内外数据库以及博看网,以数字化方式复制、汇编、发行、信息网络传播本刊全文。作者向本刊提交文章发表的行为即视为同意我刊上述声明。