

目次

农学·农业基础科学

川中丘区水肥施用方式对玉米干物质积累及产量影响

..... 杜雪,刘永红,杨勤,刘禹池,岳丽杰,陈玉锋,李影正,柯国华(1)

谷子种肥同播模式下适宜肥料类型研究 鲁一薇,赵宇,夏雪岩,焦海涛,赵丽娟,刘建军,崔纪菡(8)

冬油菜干物质积累和产量对肥料运筹的响应

..... 刘哲文,王露曼,梁丽鹏,底翠,任行,付立杰,田东良,田国英,付雅丽(17)

基于随机森林回归的油菜盛花期预报模型 龚佳,吴芳,张自强,袁昌洪(23)

耕作和候芽调控对杂草油菜发生、菜籽产量和品质的影响

..... 杨泽鹏,敖玉琴,万柯均,郑盛华,马明坤,杨继刚,杨昊,万学,陈尚洪,刘定辉,陈红琳(29)

甜菜轮作田中3种鞘氨醇单胞菌的分离及最适促生浓度筛选

..... 程迦南,王增焯,高佑凯,傅奕豪,金成宇,孙艳春(38)

根际促生菌筛选及促生机制研究进展 刘嘉雯,顾沛雯,张亮,赵智鹏,曹凌霄,杨琼(48)

温湿度对砂仁小花雌蕊上花粉萌发及花粉管生长的影响 李倩霞,王延谦,李爽,丁帅,王艳芳,张丽霞(60)

湖北陆地棉品种的表型性状分析及综合评价 谢雨欣,汪佳怡,冯震,李飞飞,赵树琪,李黎贝(68)

林学·园艺·园林

极危植物安龙油果樟种子萌发过程的生理生化变化研究 黄郎,陈锐,杨润美(78)

不同抗裂果剂对设施促早栽培甜樱桃‘美早’裂果防控效应研究

..... 王飞,段续伟,仝雅娜,吴传宝,杨映红,王发明,杨丽芳(86)

资源·环境·生态·土壤·气象

2000—2022年疏勒河流域植被覆盖时空变化及其驱动机制 安韵如,贾鸿儒,张美美,靳惠安(94)

不同物料添加对园林废弃物堆肥过程理化性质的影响

..... 陆通,吉翠梅,楚秀丽,刘雅,谢立生,周亮亮,王闯(103)

小麦茎基腐病发病与健康土壤理化性质和微生物群落结构比较分析

..... 冯志珍,陈太春,颜宏,陈志杰,李英梅,徐进,郭欢,秦涛,付博(109)

气候变化对西藏日喀则春青稞发育期的影响 杜军,路红亚,徐薇,刘建栋,黄志诚(119)

洪山菜薹区域性品质差异及关键气象因子响应特征分析

..... 张芳丽,陈鑫,张润花,孟翠丽,刘可群,龚琳鑫,黄兴学,周国林,李艺阳(127)

基于气候—地形因子的白茶适宜性区划 肖潇,刘志雄,徐金勤(136)

生物科学

核桃黑斑病生防链霉菌 WMF106 全基因组测序及分析 瞿佳,赵玲侠,门欣,孙晓宇,陈锐,宁硕瀛(144)

畜牧·动物医学·蚕·蜂

嗜酸乳杆菌的生理功能及其在畜禽生产中应用的研究进展

..... 张凤霞,陈铖,池春梅,雷松波,陈昕,钟鲁龙(155)

晚播情况下饲用燕麦在豫西地区的生产性能研究

..... 王跃卿,李丽峰,王洁琼,岳雨露,卢家顶,蔡海霞,杨智博,李德锋(162)

食品·营养·检测·安全

基于多元统计的烤烟叶石油醚提取物含量与质量关系的分析

..... 王学瑛,任四海,朱启法,薛琳,唐经祥,朱俊俊,汪升友,郭飞,徐经年(170)

烘烤和晾制对雪茄烟叶代谢物转化结果的影响

..... 程崖芝,张姗姗,钟小丽,李安杰,谢海斌,吕勋,李雪山,戴培刚,张兴伟,周东新(177)

植物保护·农药

主要蚜虫的化学防治现状及抗药性研究进展 杨韩晶,赵骏,李航,张帅(186)

抑食肟对甜菜夜蛾3龄及4龄幼虫的室内毒力测定及杀灭效果研究

..... 张冰,刘洋,李忠蔚,闫光兰,曹会刚,李丹丹(199)

油菜根肿病综合防控技术研究进展

..... 孙清华,段灵涛,王希,李保嘉,杨紫玉,邓兴,黄蓉,胡建坤,阴长发,黄建华,陈洪凡,邵见阳,等(204)

生姜储藏期黑霉病病原的分离鉴定与生物学特性研究

..... 鲜赧曦,胡孜进,黄小琴,余垚颖,邓越,宋沛,周西全,刘勇,张蕾,张重梅,杨潇湘(213)

声明 (198)

《农学学报》简介 (封底)

Chinese Agricultural Science Bulletin

Vol.42 No.12 (Serial No.771), June 25, 2026

Contents

- Impact of Water and Fertilizer Management on Maize Dry Matter Accumulation and Yield in Hilly Areas of Central Sichuan
..... DU Xue, LIU Yonghong, YANG Qin, LIU Yuchi, YUE Lijie, CHEN Yufeng, LI Yingzheng, KE Guohua(1)
- Study on Suitable Fertilizer Types for Simultaneous Planting of Millet Seeds and Fertilizers
..... LU Yiwei, ZHAO Yu, XIA Xueyan, JIAO Haitao, ZHAO Lijuan, LIU Jianjun, CUI Jihan(8)
- Response of Dry Matter Accumulation and Yield of Winter Rapeseed to Fertilizer Management
..... LIU Zhewen, WANG Luman, LIANG Lipeng, DI Cui, REN Hang, FU Lijie, TIAN Dongliang, TIAN Guoying, FU Yali(17)
- Forecast Model for Full-Bloom Stage of Rapeseed Based on Random Forest Algorithm
..... GONG Jia, WU Fang, ZHANG Ziqiang, YUAN Changhong(23)
- Effects of Tillage and Budding Regulation on Weedy Rapeseed Occurrence, Rapeseed Yield, and Quality
..... YANG Zepeng, AO Yuqin, WAN Kejun, ZHENG Shenghua, MA Mingkun, Yang Jigang, Yang Hao, WAN Xue, *et al.*(29)
- Isolation of Three *Sphingomonas* Strains from Sugar Beet Rotation Soil and Screening of Their Optimal Growth-Promoting Concentrations
..... CHENG Jianan, WANG Zenghao, GAO Youkai, FU Yihao, JIN Chengyu, SUN Yanchun(38)
- Screening of Plant Growth-promoting Rhizobacteria and Research Progress on Growth-Promoting Mechanisms
..... LIU Jiawen, GU Peiwen, ZHANG Liang, ZHAO Zhipeng, CAO Lingxiao, YANG Qiong(48)
- Effects of Temperature and Humidity on Pollen Germination and Pollen Tube Growth on Pistils of *Amomum villosum*
..... LI Qianxia, WANG Yanqian, LI Shuang, DING Shuai, WANG Yanfang, ZHANG Lixia(60)
- Phenotypic Trait Analysis and Comprehensive Evaluation of Upland Cotton in Hubei Province
..... XIE Yuxin, WANG Jiayi, FENG Zhen, LI Feifei, ZHAO Shuqi, LI Libei(68)
- Physiological and Biochemical Changes during Seed Germination of Critically Endangered Plant *Syndiclis anlungensis*
..... HUANG Lang, CHEN Rui, YANG Runmei(78)

- Research on Control Effects of Different Anti-cracking Agents on Fruit Cracking in Facility-cultivated ‘Tieton’ Sweet Cherry
 WANG Fei, DUAN Xuwei, TONG Yana, WU Chuanbao, YANG Yinghong, WANG Faming, YANG Lifang(86)
- Spatio-temporal Variation of Vegetation Coverage and Driving Mechanism During 2000–2022 in Shule River Basin
 AN Yunru, JIA Hongru, ZHANG Meimei, JIN Hui’an(94)
- Effects of Different Additives on Physicochemical Properties of Garden Waste Composting Process
 LU Tong, JI Cuimei, CHU Xiuli, LIU Ya, XIE Lisheng, ZHOU Liangliang, WANG Chuang(103)
- Comparative Analysis of Physicochemical Properties and Microbial Community Structure Between Diseased and Healthy Soils in Wheat *Fusarium* Crown Rot FENG Zhizhen, CHEN Taichun, YAN Hong, CHEN Zhijie, LI Yingmei, XU Jin, GUO Huan, QIN Tao, FU Bo(109)
- Impact of Climate Change on Development Period of Spring Highland Barley in Xizagê of Xizang
 DU Jun, LU Hongya, XU Wei, LIU Jiandong, HUANG Zhicheng(119)
- Regional Quality Differences of Hongshan Vegetable Shoots and Response Characteristics of Key Meteorological Factors
 ... ZHANG Fangli, CHEN Xin, ZHANG Runhua, MENG Cuili, LIU Kequn, GONG Linxin, HUANG Xingxue, ZHOU Guolin, LI Yiyang(127)
- Suitability Zoning of White Tea Based on Climate and Topography Factors: A Case Study of Xianfeng County in Enshi Prefecture
 XIAO Xiao, LIU Zhixiong, XU Jinqin(136)
- Complete Genome Sequencing and Analysis of Antagonistic *Streptomyces caeruleatus* WMF106 Against Walnut Blight
 QU Jia, ZHAO Lingxia, MEN Xin, SUN Xiaoyu, CHEN Rui, NING Shuoying(144)
- Research Progress on Physiological Functions of *Lactobacillus acidophilus* and Its Application in Livestock and Poultry Production
 ZHANG Fengxia, CHEN Cheng, CHI Chunmei, LEI Songbo, CHEN Xin, ZHONG Lulong(155)
- Study on Production Performance of Forage Oats in Western Henan Under Late Sowing Condition
 WANG Yueqing, LI Lifeng, WANG Jieqiong, YUE Yulu, LU Jiading, CAI Haixia, YANG Zhibo, LI Defeng(162)
- Analysis of Relationship Between Content of Petroleum Ether Extracts and Quality of Cured Tobacco Leaves Based on Multivariate Statistics
 WANG Xueying, REN Sihai, ZHU Qifa, XUE Lin, TANG Jingxiang, ZHU Junjun, WANG Shengyou, GUO Fei, XU Jingnian(170)
- Effects of Baking and Air-drying on Metabolite Conversion Results of Cigar Tobacco Leaves
 CHENG Yazhi, ZHANG Shanshan, ZHONG Xiaoli, LI Anjie, XIE Haibin, LYU Xun, LI Xueshan, DAI Peigang, *et al.*(177)
- Research Progress on Chemical Control Status and Insecticide Resistance of Key Aphid Species
 YANG Hanjing, ZHAO Jun, LI Hang, ZHANG Shuai(186)

Study on Toxicity and Lethal Effects of 1,2-Dibenzoyl-1-tert-butylhydrazine on 3rd and 4th Instar Larvae of *Spodoptera exigua*

..... ZHANG Bing, LIU Yang, LI Zhongwei, YAN Guanglan, CAO Huigang, LI Dandan(199)

Research Progress on Comprehensive Prevention and Control Techniques of Rapeseed Clubroot Disease

..... SUN Qinghua, DUAN Lingtao, WANG Xi, LI Baojia, YANG Ziyu, DENG Xing, HUANG Rong, HU Jiankun, YIN Changfa, *et al.*(204)

Isolation and Identification of Pathogen Causing Black Mold Disease on Ginger During Storage and Study on Its Biological Characteristics

..... XIAN Yunxi, HU Zijin, HUANG Xiaoqin, YU Yaoying, DENG Yue, SONG Pei, ZHOU Xiquan, LIU Yong, ZHANG Lei, *et al.*(213)