

GENGZUO YU ZAIPEI

ISSN 1008-2239
CN 52-1065/S

耕作与栽培

Tillage and Cultivation

★ 贵州省第一届优秀期刊 ★ 中国核心期刊（遴选）数据库收录期刊 ★ 万方数据——数字化期刊群全文上网
★ 《中国期刊网》《中国学术期刊（光盘版）》全文收录期刊 ★ 《中文科技期刊数据库》全文收录期刊



ISSN 1008-2239



贵州农业职业学院 主办

2022
12月
第6期(双月刊)

耕作与栽培

(GENGZUO YU ZAIPEI)

第 42 卷 第 6 期 2022 年 12 月

双月刊(总第 250 期)

目 次

· 研究报告 ·

外源激素对大籽獐牙菜种子萌发的影响 罗萍,钱海兵,刘晓龙,丁宁,王波,郑亚强,李姝臻	.....	(1)
不同玉米品种主要农艺性状与产量的灰色关联度分析 吴兰芳,岑庆宋,张超,钟维,韦德斌,费永红,向英	.....	(5)
不同前茬作物对藜麦生长及产量的影响 陈翠萍,闫殿海,刘洋	.....	(10)
不同盐胁迫对燕麦和无芒雀麦种子萌发的影响 李海贤,郑凌波,白朕银,高晨曦,曲善民,侯贺春,王明君	.....	(14)
不同处理方式对青冈种子萌发的影响 陈兴彬,刘子荣,娄永峰,肖以华,胡正良,王俊泊,肖复明	.....	(19)
大同 34 号谷子高产稳产及适应性分析 杨忠,任月梅,张缓,郭瑞锋	.....	(24)
27 个玉米组合的筛选鉴定 张玉红,李方杰,孙佩,董彦琪,刘震宇,夏彦莉,彭东	.....	(30)
贵州喀斯特山区野生葛藤根瘤菌的资源利用 吉玉玉,曾庆飞,王海瑾,王佳楚函,欧二綾,韦兴迪,韦鑫,龙忠富	.....	(35)
行距配置对河西灌区春玉米高密栽培产量及农艺性状的影响 王多成,裴晖平,肖占文,王永建,王志松,程红玉	.....	(42)
猪苓半野生栽培技术研究 廉冬,马珍璐,马亚团,张小燕,张跃进	.....	(46)
施氮量与基追肥比例对稻茬晚播麦生产力的影响 杜同庆,仝斌,徐鹏,李振宏	.....	(51)
出苗时间对玉米群体农艺性状及穗部性状的影响 刘孝成,郭飞,路国梁,李庆国	.....	(56)

· 综 述 ·

自交不亲和性相关基因在芸薹属中的研究 谢立人,陈翠萍,李开祥,杜德志	(63)
---------------------------------------	-------	------

· 问题探讨 ·

播期、密度和施氮量对贵农玉 188 生长及产量的影响 周朝刚,杨学琼,唐正平	.....	(69)
八月瓜根际 AM 真菌资源调查 陶光耀,赵晨心,迟焕星	.....	(75)
贵州山地辣椒接茬蔬菜模式研究 曾庆鸿,范高领,詹永发	.....	(79)
贵州茶产业高质量发展探究 廖正武,张兴艳	.....	(81)
基于 ARIMA 模型的贵州茶叶产量预测分析 阳红燕,蔡承智,耿芳艳	.....	(85)
上海市 4 种口感型番茄性状与品质调查研究 葛立傲,陈红辉,黄俭,俞艳,张辉,焦彬彬,罗杰	.....	(88)

辣椒地土壤重金属含量与植株重金属富集的相关性研究

万继磊,李密,徐立甫	(91)
滨海盐碱地夏玉米化肥利用率试验	
王惠滨,位国峰,张翠玉,张小娣,丁洁	(94)
不同储藏温度对大黄种子活力的影响	
侯文娟,李光文,安世伟,赵洁娜	(97)
云南省昭阳区马铃薯主栽品种及晚疫病防治	
姜会亮,陈吉,王开金	(100)
长顺县冬油菜品种引种试验	
陈家庄,吴彦利,秦信蓉	(102)
· 植物资源 ·	
福建省三明市野生果树资源调查及开发利用建议	
邱燕连	(105)
· 良种良法 ·	
优质超甜玉米云甜玉8号的选育	
王晶,黄云霄,毕亚琪,郭瑞佳,张培高,陈洪梅,姚文华	(111)
贵农玉999品种选育及其配套栽培技术	
申兰兰,蔡洪广,彭忠华	(113)
卓椒十六号辣椒高产优质栽培技术	
熊兴成,吴正肖,关晓溪,梅建飞,申杰,喻本雨,邹登相	(115)
半矮秆耐密植大豆新品种佳豆20及配套栽培技术	
张茂明	(119)
优质稻新品种泰优808的生育特性及高产栽培技术	
李定超,韦应敏,韦应红,留青,蔡元相	(121)

· 应用技术 ·

水稻主要虫害绿色防控技术研究	
钟朝军,戴长庚,毛向华	(123)
紫黑香糯栽培技术规程	
廖春良,曾华忠,韦永忠,龙秋均	(125)
白及与三叶木通立体套种栽培技术初探	
李海涛,罗鸣,吴明开	(127)
大棚草莓优质高产栽培与管理	
郑学明	(129)
优质酱香酒用有机高粱栽培技术要点	
周万飞,程明丽	(132)
钩藤高效栽培技术要点	
骆辑,李满香,甘梦兰	(135)

· 经验交流 ·

青稞抗倒伏因素及研究现状	
张英,李健,谢世刚,江謐	(138)
新疆伊犁州直中草药产业现状及发展对策研究	
董灿兴,徐凤杰,徐璐,刘露,罗新湖,李成忠	(140)
黑龙江省农作物种质资源普查工作探索与思考	
黄成亮	(144)
田间试验设计在作物育种中的应用	
陈敏康,李金玲	(148)
岩溶石漠化农业园区凿岩爆破造裂蓄水种植建议	
张翼,李永刚,王文杰,李仁启	(151)
土壤肥力退化原因及对策	
王怀利,吴晓荣,万丽英	(155)

Tillage and Cultivation

Vol.42 No.6 December 2022

Bimonthly(Total No.250)

CONTENTS

Research Reports

Effects of exogenous hormones on seed germination of <i>Swertia macrosperma</i> LUO Ping, QIAN Haibing, LIU Xiaolong, DING Ning, WANG Bo, ZHENG Yaqiang, LI Shuzhen	(1)
Grey correlation analysis of the main agronomic traits and yields of different maize varieties WU Lanfang, CEN Qingsong, ZHANG Chao, ZHONG Wei, WEI Debin, FEI Yonghong, XIANG Ying	(5)
Effects of different previous crops on growth and yield of quinoa CHEN Cuiping, YAN Dianhai, LIU Yang	(10)
Effects of different salt stress on seed germination of oat and smooth bromegrass LI Haixian, ZHENG Lingbo, BAI Zhenyin, GAO Chenxi, QU Shanmin, HOU Hechun, WANG Mingjun	(14)
Effects of different treatments on seed germination of <i>Cyclobalanopsis glauca</i> CHEN Xingbin, LIU Zirong, LOU Yongfeng, XIAO Yihua, HU Zhengliang, WANG Junbo, XIAO Fuming	(19)
Analysis of the high-yield, stable-yield, and adaptability for Datong No.34 YANG Zhong, REN Yuemei, ZHANG Shou, GUO Ruifeng	(24)
Screening and identification of 27 maize combinations ZHANG Yuhong, LI Fangjie, SUN Pei, DONG Yanqi, LIU Zhenyu, XIA Yanli, PENG Dong	(30)
Rhizobia of <i>Pueraria lobata</i> in karst mountainous area of Guizhou and the resource utilization JI Yuyu, ZENG Qingfei, WANG Haijin, WANG Jiachuhan, OU Erling, WEI Xingdi, WEI Xin, LONG Zhongfu	(35)
Effects of row spacing configuration on yield and agronomic traits of spring maize in high-density cultivation in Hexi irrigation area WANG Duocheng, PEI Huiping, XIAO Zhanwen, WANG Yongjian, WANG Zhisong, CHENG Hongyu	(42)
Study on artificial semi-wild cultivation technology of <i>Polyporus umbellatus</i> LIAN Dong, MA Zhenlu, MA Yatuan, ZHANG Xiaoyan, ZHANG Yuejin	(46)
Experimental study on the effect of nitrogen application rate and basal dressing ratio on productivity of late sowing wheat after rice DU Tongqing, TONG Bin, XU Peng, LI Zhenhong	(51)
Effect of emergence time on agronomic traits and ear traits of maize population LIU Xiaocheng, GUO Fei, LU Guoliang, LI Qingguo	(56)

Reviews

Research progress of self-incompatibility related genes in <i>Brassica</i> XIE Liren, CHEN Cuiping, LI Kaixiang, DU Dezhi	(63)
---	------

Discussion

Effects of sowing date, density and nitrogen application rate on growth and yield of Guinongyu 188 ZHOU Chaogang, YANG Xueqiong, TANG Zhengping	(69)
Investigation of AM fungi resources in the rhizosphere of <i>Holboellia latifolia Wall</i> TAO Guangyao, ZHAO Chengxin, CHI Huanxing	(75)
Study on model of pepper crop rotation vegetable of mountainous in Guizhou ZENG Qinghong, FAN Gaoling, ZHAN Yongfa	(79)
Exploring the high-quality development of tea industry in Guizhou LIAO Zhengwu, ZHANG Xingyan	(81)
Prediction and analysis of tea yield in Guizhou Province based on ARIMA model YANG Hongyan, CAI Chengzhi, GENG Fangyan	(85)
Investigation on the characters and quality of four taste type tomatoes in Shanghai GE Li'ao, CHEN Honghui, HUANG Jian, YU Yan, ZHANG Hui, JIAO Binbin, LUO Jie	(88)
Study on the correlation between heavy metal content in pepper field soil and plant metal enrichment	

.....	WAN Jilei, LI Mi, XU Lifu	(91)
Experiment on fertilizer utilization rate of summer maize in coastal saline alkali land	WANG Huibin, WEI Guofeng, ZHANG Cuiyu, ZHANG Xiaodi, DING Jie	(94)
Effects of different storage temperatures on seed vigor of rhubarb	HOU Wenjuan, LI Guangwen, AN Shiwei, ZHAO Jienan	(97)
Potato varieties and late blight control in Zhaoyang district Yunnan Province	JIANG Huiliang, CHEN Ji, WANG Kaijin	(100)
Introduction experiment of winter rape in Changshun County	CHEN Jiazhuang, WU Yanli, QIN Xinrong	(102)

Plant Resources

Investigation and utilizational suggestions on germplasm resources of wild fruit tree in sanming city of Fujian Province	QIU Yanlian (105)
--	-------	-------------------

Fine Seed and Method

Breeding of high quality super sweet hybrid corn Yuntianyu 8	.....	WANG Jing, HUANG Yunxiao, BI Yaqi, GUO Ruijia, ZHANG Peigao, CHEN Hongmei, YAO Wenhua (111)
Guinongyu 999 variety breeding and its supporting cultivation techniques	.....	SHEN Lanlan, CAI Hongguang, PENG Zhonghua (113)
High-yield and high-quality cultivation techniques of Zhuojiao 16	.....	XIONG Xingcheng, WU Zhengxiao, GUAN Xiaoxi, MEI Jianfei, SHEN Jie, YU Benyu, ZOU Dengxiang (115)
A new semi dwarf and dense planting soybean variety Jiadou 20 and its supporting cultivation techniques	.....	ZHANG Maoming (119)
Growth characteristics and high yield cultivation techniques of a new high quality rice variety Taiyou 808	.....	LI Dingchao, WEI Yingmin, WEI Yinghong, LIU Qing, CAI Yuanxiang (121)

Applied Technology

Study on green control technology of main pests in rice	.....	ZHONG Chaojun, DAI Changgeng, MAO Xianghua (123)
Purple and black fragrant glutinous rice cultivation techniques	.....	LIAO Chunliang, ZENG Huazhong, WEI Yongzhong, LONG Qiuju (125)
Preliminary study on the stereo cultivation technology of interplanting <i>Bletilla striata</i> with <i>Akebia trifoliata</i>	.....	LI Haitao, LUO Ming, WU Mingkai (127)
Cultivation and management of strawberry with good quality and high yield in greenhouse	.....	ZHENG Xueming (129)
Cultivation techniques of organic sorghum for high quality brewing liquor	.....	ZHOU Wanfei, CHENG Mingli (132)
Key points of efficient cultivation techniques of <i>Rammulus Uncariae CumUncis</i>	.....	LUO Ji, LI Manxiang, GAN Menglan (135)

Exchange of Experience

Research progress on the lodging resistance of Tibetan hulless barley	.....	ZHANG Ying, LI Jian, XIE Shigang, JIANG Mi (138)
Study on the current situation and development countermeasures of Chinese herbal medicine industry in Yili prefecture	.....	DONG Canxing, XU Fengjie, XU Lu, LIU Lu, LUO Xinhua, LI Chengzhong (140)
Exploration and reflection on the general survey of crop germplasm resources in Heilongjiang Province	.....	HUANG Chengliang (144)
Application of field experiment in crop breeding	.....	CHEN Minkang, LI Jinling (148)
Suggestions on water storage planting by rock drilling, blasting, cracking and storage in karst rock desertification agricultural park	.....	ZHANG Yi, LI Yonggang, WANG Wenjie, LI Renqi (151)
Causes and countermeasures of soil fertility degradation	.....	WANG Huaili, WU Xiaorong, WAN Liying (155)