

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

耕作与栽培
2023年第一期

（总第251期）



贵州农业职业学院 主办

2023 2月
第1期（双月刊）

耕作与栽培

(GENGZUO YU ZAIPEI)

第 43 卷 第 1 期 2023 年 02 月

双月刊(总第 251 期)

目 次

· 研究报告 ·

- 生物炭投入对稻田土壤微生物量碳氮及水稻品质的影响
徐 彬,王小利,段建军,杨宏伟,龙大勇,蒙焯熙,梅婷婷..... (1)
- 叶面施硒对玉米籽粒硒含量、产量的影响及富硒玉米安全生产
岳竞之,孙迷平,牛小沛,张庆社,陈 丽,肖兴中,张月玲,蔡友敏 (7)
- 不同成熟度苦苣菜种子发芽特征比较
张 靓,胡远彬,季 杨,易 军,高 丽,梁小玉..... (12)
- 采收和贮藏时间对宽叶缙草种子发芽的影响
杨俊春,陶光林,张家春,杨汉成..... (18)
- PEG 模拟干旱对 4 种冰草属植物种子萌发特性的影响
杨 靖,张晓明,陈 越,樊东昌,宛 涛 (24)
- EMS 诱变对不结球白菜愈伤效果及其抗热性的影响
钟 程,田 鑫,唐其蔚,孙庆林..... (30)
- 昆山地区偏迟播小麦穗数与产量的相关性分析
张雅菁,史 平,孙柳青,吴建明..... (35)
- 糯玉米茎粗系数的配合力及遗传参数分析
周捷成,周富亮,梁思维,李坪遥,麦嘉琦,姜先芽..... (39)
- 剑河县土壤养分状况研究
宋 刚,吴 僭,杨 梅,胡腾胜,侯春华,龙永根..... (43)
- 冬小麦拔节期冠层气象条件与晚霜冻害关系研究
程婉莹,王春艳,李茂松,马娇丽..... (46)
- 不同连作年限对设施茄子土壤理化性状的影响
徐蒋来,王会福,陈伟强,陈海平..... (52)
- 稻田旋耕直播油菜产量及植株性状的相关分析
戴祥来,赵继献,胡 权 (56)
- 不同时期追施缓混肥料对稻茬麦生长特征及产量的影响
杜同庆,徐 鹏,李振宏 (60)
- 不同处理方法对滇黄精出苗的影响
郭乔仪,张天祥,鲁菊芬,赵坚能,严 燕,王洪丽,张金渝 (64)

· 问题探讨 ·

- 不同拍摄参数对数字图像技术估测马铃薯氮素营养的影响
魏全全,李 飞,苟久兰,张 萌,顾小凤,陈 龙,柳玲玲 (68)
- 河南省主推小麦品种旗叶性状与产量性状的关系研究
刘守尧,朱保磊,石守设,陈 宏,邹 奎,祝新杰,邹 俊 (74)
- 宜机收油菜品种高产高效栽培技术研究
许明超,王艳惠,陆 鸿,陈兴凡..... (77)
- 呼伦贝尔市土壤墒情时空变化规律分析
张连云,张培青,乌仁其其格 (81)
- 高淀粉型甘薯品种试验初报
熊 江,余兴蓉,张素云,满 愿,程丹韵 (84)
- 安顺市草地贪夜蛾发生危害情况的初步研究
高青宇,李安优,张 婧 (86)

不同栽培密度对鲜食玉米农科糯 336 生长的影响 黄煜	(88)
小黄姜分枝数与产量关系初探 洪勇	(90)
不同叶面肥在水稻上试验效果初报 徐际根	(93)
不同药剂对芋疫病防治效果 曾彩霞	(96)
成县辣椒氮肥总量控制试验初报 李月红,陈钰,马晓强	(98)
大白菜品种比较试验 陈瑶,李承波,譙莉萍,陈红远,吴琳,廖晨鹭	(101)
早熟马铃薯品种筛选初报 付梅,林蜀云,白文华,饶永峰,莫廷星,蒙懿,刘洪春,李治福,田永国,吴世炳	(103)
不同花生品种在黔东南州适应性研究 王飞,范斌,张启鑫,田佳昕	(108)

· 植物资源 ·

重庆百合科植物新记录——云南大百合 郑昌兵,陈锋	(112)
长白山区卫矛科种质资源及鉴别方法 崔慕雪,张雪,霍嘉馨,玄永男,曹后男,刘继生,金美玉,赵成日	(114)

· 良种良法 ·

优质杂交水稻新组合旺乡优 298 选育及栽培技术 唐娟,吴晓峰,唐少东,王卫东	(122)
农科糯 336 特征特性及增产增效潜力研究 杨丽丹,刘辉,邹军,陈德珍,龙英,万江红,黄健翔	(125)
甜糯型鲜食玉米品种新糯玉 15 号选育及栽培技术 张力,桑志勤,王友德,段震宇,陈树宾,徐灿	(129)
不同种植密度对冀谷 39 农艺性状及产量的影响 宗丽娟,任红晓,王贺,李建波,姚振刚	(132)

· 经验交流 ·

信阳油茶产业发展研究初报 蓝黎明,邹奎,张顺,陈龙,柳楷婧,陈振,王子良,陈李阳,金开美	(135)
基于乡村振兴背景下的月季园设计研究——以贵州省惠水县“红玫福苑”为例 张佳佳,金晶,吴洪娥,侯秋梅,杨朔,周洪英	(138)
江苏沿海地区药用菊花产业发展现状及建议 赫明涛,闫凯旋,尹明明,洪立洲,王志春,水玉林,崔建生	(143)
汉中油菜产业发展现状与建议 湛国鹏,孙晓敏,李英,薛艳,邢丽红,习广清,瞿利英,史建中	(146)
绥阳县酒用高粱产业发展现状及对策 王光敏,王维,田春梅,田雪柔	(149)
“水稻+禾虫”综合种养技术模式及产业发展对策 马群,熊婷,陈兴汉,林青山	(151)
铁皮石斛林下仿野生栽培技术 甘梦兰,韩雪,宋善敏,魏怡冰,蔡朝庭,王恩花	(153)

· 应用技术 ·

山区辣椒种植技术 陈英	(155)
----------------	-------

Tillage and Cultivation

Vol.43 No.1 February 2023

Bimonthly(Total No.251)

CONTENTS

Research Reports

- Effects of biochar input on soil microbial biomass carbon and nitrogen and rice quality in paddy fields
..... XU Bin, WANG Xiaoli, DUAN Jianjun, YANG Hongwei, LONG Dayong, MENG Ruoxi, MEI Tingting (1)
- Effect of foliar selenium application on selenium content and grain yield of maize and safe production of selenium-enriched maize
..... YUE Jingzhi, SUN Miping, NIU Xiaopei, ZHANG Qingshe, CHEN Li,
XIAO Xingzhong, ZHANG Yueling, CAI Youmin (7)
- Comparison of germination characteristics of seeds with different maturity degrees in *Lactuca indica*
..... ZHANG Jing, HU Yuanbin, JI Yang, YI Jun, GAO Li, LIANG Xiaoyu (12)
- Effect of harvesting and storage time on the germination of *Valeriana officinalis* seeds
..... YANG Junchun, TAO Guanglin, ZHANG Jiachun, YANG Hancheng (18)
- Effects of PEG simulated drought on seed germination characteristics of four species of *Agropyron*
..... YANG Jing, ZHANG Xiaoming, CHEN Yue, FAN Dongchang, WAN Tao (24)
- Effect of the heat by the EMS mutagenesis non-heading Chinese cabbage callus
..... ZHONG Cheng, TIAN Xin, TANG Qiwei, SUN Qinglin (30)
- Correlation analysis on yield characters and panicle number of slightly late sowing wheat in Kunshan
..... ZHANG Yajing, SHI Ping, SUN Liuqing, WU Jianming (35)
- Analysis of combining ability and genetic parameters of stem diameter coefficient of waxy maize
..... ZHOU Jiecheng, ZHOU Fuliang, LIANG Siwei, LI Pingyao, MAI Jiaqi, JIANG Xianya (39)
- Soil nutrient status of Jianhe county
..... SONG Gang, WU Jian, YANG Mei, HU Tengsheng, HOU Chunhua, LONG Yonggen (43)
- Study on the cooling law of canopy temperature during the late frost damage period of winter wheat
..... CHENG Wanying, WANG Chunyan, LI Maosong, MA Jiaoli (46)
- Effects of different continuous cropping years on soil physical-chemical properties of eggplant in greenhouse
..... XU Jianguai, WANG Huifu, CHEN Weiqiang, CHEN Haiping (52)
- Correlation analysis of yield and plant characters of direct seeding rape under rotary tillage in paddy field
..... DAI Xianguai, ZHAO Jixian, HU Quan (56)
- Effects of topdressing slow-mixing fertilizer at different stages on growth characteristics and yield of wheat following rice
..... DU Tongqing, XU Peng, LI Zhenhong (60)
- Effects of different treatment methods of *Polygonatum yunnanensis* on the emergence of seedlings
..... GUO Qiaoyi, ZHANG Tianxiang, LU Jufen, ZHAO Jianneng, YAN Yan, WANG Hongli, ZHANG Jinyu (64)

Discussion

- Effects of different shooting parameters on the estimation of potato nitrogen nutrition by digital image technology
..... WEI Quanquan, LI Fei, GOU Jiulan, ZHANG Meng, GU Xiaofeng, CHEN Long, LIU Lingling (68)
- Research on the relationship between flag leaf traits and yield traits of wheat varieties in He'nan Province
..... LIU Shouyao, ZHU Baolei, SHI Shoushe, CHEN Hong, ZOU Kui, ZHU Xinjie, ZOU Jun (74)
- Research on high-yielding and efficient cultivation techniques of suitable machine harvested oilseed rape variety
..... XU Mingchao, WANG Yanhui, LU Hong, CHEN Xingfan (77)
- Analysis on the temporal and spatial variation of soil moisture in Hulunbuir City
..... ZHANG Lianyun, ZHANG Peiqing, Wuren Qiqige (81)
- Comparatively study on high starch seetpotato varieties
..... XIONG Jiang, SHE Xingrong, ZHANG Suyun, MAN Yuan, CHENG Danyun (84)
- Preliminary study on the occurrence and damage of *Spodoptera frugiperda* in Anshun City
..... GAO Qingyu, LI Anyou, ZHANG Jing (86)
- Effect of different cultivation density on the growth of fresh maize Nongkenuo 336

.....	HUANG Yu	(88)
Preliminary study on the relationship between the number of branches and yield of yellow ginger	.....	HONG Yong (90)
Preliminary report on the effect of different foliar fertilizers on rice	.....	XU Jigen (93)
Efficacy of different agents against cono blight	.....	ZENG Caixia (96)
Preliminary report on the total nitrogen fertilizer control experiment of peppers in Chengxian County	.....	LI Yuehong, CHEN Yu, MA Xiaoqiang (98)
Comparative experiment of Chinese cabbage varieties	.....	CHEN Yao, LI Chengbo, QIAO Liping, CHEN Hongyuan, WU Lin, LIAO Chenlu (101)
Preliminary report on identification of early maturing potato varieties	.....	FU Mei, LIN Shuyun, BAI Wenhua, RAO Yongfeng, MO Tingxing, MENG Yi, LIU Hongchun, LI Zhifu, TIAN Yongguo, WU Shibing (103)
Study on the adaptability of different peanut varieties in Qiandongnan	.....	WANG Fei, FAN Bing, ZHANG Qixin, TIAN Jiaxin (108)

Plant Resources

<i>Cardiocrinum giganteum</i> var. <i>yunnanense</i> (Elwes) stearn, a newly recorded vascular plants of liliaceae from Chongqing	.....	ZHENG Changbing, CHEN Feng (112)
The germplasm resources and identification methods of celastraceae in Changbai mountain area	.....	CUI Muxue, ZHANG Xue, HUO Jiajun, XUAN Yongnan, CAO Hounan, LIU Jisheng, JIN Meiyu, ZHAO Chengri (114)

Fine Seed and Method

Breeding and cultivation techniques of a new high-quality hybrid rice combination Wangxiangyou 298	.....	TANG Juan, WU Xiaofeng, TANG Shaodong, WANG Weidong (122)
Study on the characteristics and potential for increasing yield and efficiency of Nongkenuo 336	.....	YANG Lidan, LIU Hui, ZOU Jun, CHEN Dezhen, LONG Ying, WAN Jianghong, HUANG Jianxiang (125)
Breeding and cultivation techniques of Xinnuoyu 15, a sweet-waxy fresh maize variety	.....	ZHANG Li, SANG Zhiqin, WANG Youde, DUAN Zhenyu, CHEN Shubin, XU Can (129)
Effects of different planting densities on agronomic characters and yield of Jigu 39	.....	ZONG Lijuan, REN Hongxiao, WANG He, LI Jianbo, YAO Zhen'gang (132)

Exchange of Experience

A preliminary study on the strategy of storing oil in trees of Xinyang camellia oleifera	.....	LAN Liming, ZOU Kui, ZHANG Shun, CHEN Long, LIU Kaijing, CHEN Zhen, WANG Ziliang, CHEN Liyang, JIN Kaimei (135)
Study on design of rose theme garden under the background of rural revitalization—case study of ‘HongMeiFuYuan’ in Huishui county, Guizhou Province	.....	ZHANG Jiajia, JIN Jing, WU Hong'e, HOU Qiumei, YANG Shuo, ZHOU Hongying (138)
Current Situation and suggestions for the development of medicinal chrysanthemum industry in the coastal areas of Jiangsu Province	.....	HE Mingtao, YAN Kaixuan, YIN Mingming, HONG Lizhou, WAN Zhichun, SHUI Yulin, CUI Jiansheng (143)
Development status and suggestions of rapeseed industry in Hanzhong	.....	CHEN Guopeng, SUN Xiaomin, LI Ying, XUE Yan, XING Lihong, XI Guangqing, QU Liying, SHI Jianzhong (146)
Development status and countermeasures of sorghum industry for wine in Suiyang County	.....	WANG Guangmin, WANG Wei, TIAN Chunmei, TIAN Xuerou (149)
The comprehensive planting and breeding technology mode of rice-hechong and industrial development countermeasures	.....	MA Qun, XIONG Ting, CHEN Xinghan, LIN Qingshan (151)
Cultivation techniques of <i>Dendrobium officinale</i> imitating wildlife under forest	.....	GAN Menglan, HAN Xue, SONG Shanmin, WEI Yibing, CAI Chaoting, WANG Enhua (153)

Application Technologies

Pepper planting techniques in the mountain area	CHEN Ying (155)
---	-------	-----------------