



ISSN 1001—5280
CN43—1110/S

作物研究

C R O P R E S E A R C H

2022

2

Vol.36 No.2

第36卷 第2期

湖南农业大学 主办
湖南省作物学会

万方数据

CROP RESEARCH

作物研究

ZUOWU YANJIU

(双月刊)

2022 年

第 36 卷 第 2 期

(总第 178 期)

2022 年 4 月出版

主 办: 湖南农业大学

湖南省作物学会

主 管: 湖南农业大学

编辑出版: 《作物研究》编辑部

主 编: 肖 应 辉

执行主编: 陈 烈 臣

责任编辑: 张 秋 平

王 丹

发 行: 湖南省作物学会

印 刷: 长沙新鑫印务有限公司

国际标准连续出版物号: ISSN1001-5280

中国标准连续出版物号: CN43-1110/S

广告许可证号: 4301004000099

邮政编码: 410128

地 址: 长沙市芙蓉区农大路 1 号

电 话: 0731-84618573

采编平台: <http://zwjy.cbpt.cnki.net>

E-mail: zwjy@cnki.net

1421743155@qq.com

定 价: 10.00 元

目 次

●耕作栽培·生理生化

冀东地区冬小麦新品系主要性状及产量相关性评价

..... 陆晴,宋茂兴,马宏亮,甄志华,吴志会(103)

不同旱地小麦品种(系)光合特性与产量差异研究

..... 张军,付颖,鲁珊珊,郭玉敏,吕鑫荣,封昀(108)

陕垦 224 在黄淮南部麦区适应性分析

..... 赵小光,赵鹏涛,翟周平,商毅,张雅蕾(112)

两种熟期类型青贮玉米品种对两种春播种植模式的增产效应

..... 鲁珊,徐玉鹏,陈善义,阎旭东(117)

加工精度对小米张杂谷 6 号营养成分的影响

..... 王德权,黄伟,冯小磊,左文博(122)

亚麻—水稻轮作模式对镉污染土壤修复潜力研究

..... 陈奕暄,邓潇,杨洋,曾清如(126)

基于计算机模拟的人工盐碱地盐分配方及其应用

..... 王伟,于亮,王志,王伟伟,钮力亚,陆莉,王奉芝,张景俭(132)

烘烤工艺对稻茬烤烟下部烟叶质量的影响

侯建林,李思军,邓小强,吴文信,郭婷,陈焘,朱林,江智敏,徐均华,潘飞龙,邓小华(138)

延迟采收对稻茬烤烟上部叶物理性状的效应

周铭颖,江智敏,丁建冰,秦凌,蒋宇丽,陈琳,徐均华,王卫民,管攀峰,王新月,邓小华(143)

●遗传育种·种质资源

滇型晚粳稻不育系宁粳 87A 的选育及应用

..... 姜洁锋,金林灿,裘尧军,施贤波,黄宣(148)

耐盐抗旱小麦新品种沧麦 15 的选育

..... 于亮,王伟伟,邹景伟,王志,张玉杰,王伟,陆莉,王奉芝,钮力亚(152)

抗逆丰产旱碱麦新品种捷麦 20 的选育

..... 张卫军,宋立新,王伟,李景娥,王奉芝,张景俭(156)

宜机收玉米新品种沧农 199 选育与特征特性

..... 毛彩云,鲁珊,肖荷霞,陆建章,岳金生(160)

●三农论坛

怀化武陵山区稻螺种养模式技术分析及发展对策

..... 陈灿,廖美妮,余政军,张印,张泉,孟祥杰,黄璜(163)

武陵山区主要稻田生态种养模式效益比较与发展对策

..... 张泉,蔡教明,余政军,张印,陈灿,黄璜(170)

●新品种·新技术

水稻—金背鲤共生模式与技术

..... 曾宪文,余长生,吴正武,余政军,张印,张泉,黄璜,孟祥杰(176)

●研究进展

中国水稻栽培技术的演变与展望

..... 梁玉刚,李静怡,周晶,吴涛,方宝华,余政军(180)

CROP RESEARCH

2022 Vol. 36 No. 2 (Sum. 178)

CONTENTS

● Tillage and Cultivation · Physiology and Biochemistry

- Evaluation on main characteristics and yield correlation of new winter wheat lines in Eastern Hebei Region
..... LU Qing, SONG Maoxing, MA Hongliang, ZHEN Zhihua, WU Zhihui (103)
- Research on photosynthetic characteristics and yield differences of different dryland wheat varieties (lines)
..... ZHANG Jun, FU Ying, LU Shanshan, GUO Yumin, LYU Xinrong, FENG Yun (108)
- Adaptability analysis of Shanken 224 in the Southern Huang Huai wheat region
..... ZHAO Xiaoguang, ZHAO Pengtao, ZHAI Zhouping, SHANG Yi, ZHANG Yalei (112)
- The yield-increasing effect of two silage maize varieties with different maturity on two spring sowing patterns
..... LU Shan, XU Yupeng, CHEN Shanyi, YAN Xudong (117)
- Effect of processing fineness on nutritional components of Zhangzagu No.6 in zhalot banner
..... WANG Dequan, HUANG Wei, FENG Xiaolei, ZUO Wenbo (122)
- The Potential of flax-rice rotation for remediation of cadmium contaminated soil
..... CHEN Yixuan, DENG Xiao, YANG Yang, ZENG Qingru (126)
- A formula for the salt of artificial saline-alkali soil and its application based on computer simulation
..... WANG Wei, YU Liang, WANG Zhi, WANG Weiwei, NIU Liya, LU Li, WANG Fengzhi, ZHANG Jingjian (132)
- Effect of flue-curing processes on quality of lower tobacco leaves under rice stubble
..... HOU Jianlin, LI Sijun, DENG Xiaoqiang, WU Wenxin, GUO Ting, CHEN Tao, ZHU Lin, JIANG Zhimin, XU Junhua, PAN Feilong, DENG Xiaohua (138)
- Effect of delayed harvest on physical properties of upper flue-cured tobacco under tobacco-rice rotation system
..... ZHOU Mingying, JIANG Zhimin, DING Jianbing, QIN Ling, JIANG Yuli, CEHN Lin, XU Junhua, WANG Weimin, JIAN Panfeng, WANG Xinyue, DENG Xiaohua (143)

● Crop Genetics · Germplasm Resources

- Breeding and utilization of Dian-type late japonica CMS line Ningjing 87A in rice
..... JIANG Jiefeng, JIN Lincan, QIU Yaojun, SHI Xianbo, HUANG Xuan (148)
- Breeding of a new salt tolerant and drought resistant wheat variety Cangmai 15 YU Liang, WANG Weiwei, ZOU Jingwei, WANG Zhi, ZHANG Yujie, WANG Wei, LU Li, WANG Fengzhi, NIU Liya (152)
- Breeding of the new drought-alkali wheat cultivar Jiema 20 with stress resistance and high yield
..... ZHANG Weijun, SONG Lixin, WANG Wei, LI Jing'e, WANG Fengzhi, ZHANG Jingjian (156)
- Breeding and characteristics of a new maize variety Cangnong 199
..... MAO Caiyun, LU Shan, XIAO Hexia, LU Jianzhang, YUE Jinsheng (160)

● Three Rural Forum

- Technical analysis and development countermeasures of rice and snail planting and breeding symbiotic mode in Wuling mountain area of Huaihua
..... CHEN Can, LIAO Xianni, YU Zhengjun, ZHANG Yin, ZHANG Quan, MENG Xiangjie, HUANG Huang (163)
- Comparison of benefits and development countermeasures of ecological breeding mode on major rice fields in Wuling mountain area ZHANG Quan, CAI Jiaoming, YU Zhengjun, ZHANG Yin, CHEN Can, HUANG Huang (170)

● New Varieties · New Technologies

- Symbiotic model and technology of rice and golden backed carp co-culture system ZENG Xianwen, YU Changsheng, WU Zhengwu, YU Zhengjun, ZHANG Yin, ZHANG Quan, HUANG Huang, MENG Xiangjie (176)

● Research Progress

- Evolution and prospect of rice cultivation technology in China
..... LIANG Yugang, LI Jingyi, ZHOU Jing, WU Tao, FANG Baohua, YU Zhengjun (180)