

目 次

牡山羊草细胞质雄性不育小麦败育的生物学特性和细胞学研究

..... 刘子涵 蒙立颖 姚盟 宋喜悦(1)

玉米单倍体幼胚加倍效果观察

..... 陈宝建 刘丽威 徐丽 孟玉杰 桂光菊 徐小炜 金危危 陈绍江(10)

玉米单倍体花药外露、花药大小与花粉育性的相关性研究 陈琳 李建生 杨小红(17)

黑龙江省水稻稻瘟病研究现状及抗病育种 李洪亮 柴永山 孙玉友

高春艳 魏才强 解忠 张巍巍 刘丹 程杜娟 赵云彤(25)

ABP1 参与不同苹果砧木缺铁胁迫的适应性反应

..... 张萌萌 许雪峰 吴婷 张新忠 韩振海 王忆(34)

木薯不同品种(系)生物积累量特性及其与淀粉积累关键基因表达相关性研究

..... 覃琼瑶 卢诚 陈新 孙玉芳 王文泉(42)

红麻雄性不育细胞质相关的 cSNP 位点发掘

..... 赵艳红 廖小芳 李初英 赵洪涛 黄其椿 余明丽 周瑞阳(51)

基于表型和 SRAP 标记的唐菖蒲品种遗传多样性分析 刘晨 高明伟 刘超

何俊娜 吴健 僧珊珊 钟雄辉 吴晨雨 张凤勤 义鸣放(57)

微生物菌剂 Super ER · MI 对连作切花菊‘优香’生长和养分利用的影响

..... 王轲永 李春杰 赵宏伟 程强 温超 马男 赵梁军(66)

高效毛细管电泳法研究重瓣榆叶梅花中蛋白质的动态变化

..... 徐毅励 陈媛梅 郑彩霞(76)

河套灌区调亏畦灌对加工番茄生长发育、产量和果实品质的影响

..... 郑凤杰 杨培岭 任树梅 蒋光昱 贺新(83)

水分胁迫寄主植物对莲草直胸跳甲生长发育的影响

..... 付淑慧 申洁 原祥鹤 郝炯 马瑞燕(91)

nisin 和 EDTA 对牛源致病性大肠杆菌体外抑菌效果的研究

..... 张燕 敖日格乐 王纯洁 姜晶 赵称赫 曹晓波(98)

金针菇菇脚对肉鸡盲肠菌群及短链脂肪酸的影响

..... 曾巧莉 宋慧 郭慧慧 郭超 甄东 梁凤 张彤瑶(104)

安徽省粮食作物单产影响因子及气象灾害损失风险评估

..... 吴艳飞 徐羽 徐刚(115)

气吸式谷子精量排种器性能试验研究

..... 李娜 赵满全 刘飞 刘月琴 吕冰 张涛 董帅 陈晨(122)

田间便携式短喉槽的数值模拟 肖苡娟 王文娥 胡笑涛(129)

太阳能相变蓄热系统在温室加温中的应用 闫彦涛 邹志荣 李凯(139)

溴甲烷质量浓度检测系统的设计及试验研究

..... 龚绍润 邹兵 李柏树 张广平 李丽 谭阳 王跃进(147)

基于内部用地结构及其功能的农村居民点整理潜力辨析

..... 张凤荣 周建 张佰林(155)

要素价格变动影响农业能源效率的实证研究

..... 戴红军 孙涛 郭文 张坤 高明美(161)

劳动力转移、化肥过度使用与面源污染 史常亮 李贊 朱俊峰(169)

CONTENTS

- Biological characteristics and cytological studies on abortion of *Aegilops juvenalis* cytoplasmic male sterile line LIU Zi-han, MENG Li-ying, YAO Meng, SONG Xi-yue (1)
- Observation on doubling effects of immature haploid embryo in maize CHEN Bao-jian, LIU Li-wei, XU Li, MENG Yu-jie, GUI Guang-ju, XU Xiao-wei, JIN Wei-wei, CHEN Shao-jiang (10)
- Study of correlation between anther extrusion, anther size and pollen fertility in maize haploid CHEN Lin, LI Jian-sheng, YANG Xiao-hong (17)
- Resistance breeding and research status of rice blast in Heilongjiang Province LI Hong-liang, CHAI Yong-shan, SUN Yu-you, GAO Chun-yan, WEI Cai-qiang, XIE Zhong, ZHANG Wei-wei, LIU Dan, CHENG Du-juan, ZHAO Yun-tong (25)
- Research of ABP1 participating in iron-deficiency stress response in apple stocks ZHANG Meng-meng, XU Xue-feng, WU Ting, ZHANG Xin-zhong, HAN Zhen-hai, WANG Yi (34)
- Characterization of biomass and expression of genes involved in starch accumulation among different cassava varieties (lines) QIN Qiong-yao, LU Cheng, CHEN Xin, SUN Yu-fang, WANG Wen-quan (42)
- Development of the molecular marker cSNP associated with male sterile cytoplasm in kenaf ZHAO Yan-hong, LIAO Xiao-fang, LI Chu-ying, ZHAO Hong-tao, HUANG Qi-chun, YU Ming-li, ZHOU Rui-yang (51)
- Genetic diversity analysis of Gladiolus cultivars based on morphology and SRAP markers LIU Chen, GAO Ming-wei, LIU Chao, HE Jun-na, WU Jian, SENG Shan-shan, ZHONG Xiong-hui, WU Chen-yu, ZHANG Feng-qin, YI Ming-fang (57)
- Effects of microorganism Super ER • MI on chrysanthemum ‘Yuka’ growth and nutrient utilization under continuous cropping conditions WANG Ke-yong, LI Chun-jie, ZHAO Hong-wei, CHENG Qiang, WEN Chao, MA Nan, ZHAO Liang-jun (66)
- Study on dynamic changes of protein contents in the flower of *Amygdalus triloba* f. *multiplex* by HPCE XU Yi-li, CHEN Yuan-mei, ZHENG Cai-xia (76)

- Effect of regulated deficit irrigation on the plant growth, yield and quality of processing tomato under border irrigation in Hetao Irrigation District ZHENG Feng-jie, YANG Pei-ling, REN Shu-mei, JIANG Guang-yu, HE Xin (83)
- Effect of host plant under water stress on the growth and development of *Agasicles hygrophila* FU Shu-hui, SHEN Jie, YUAN Xiang-he, HAO Jiong, MA Rui-yan (91)
- Antibacterial effects of nisin and EDTA on bovine pathogenic *Escherichia coli* *in vitro* ZHANG Yan, AO-ri-ge-le, WANG Chun-jie, JIANG Jing, ZHAO Chen-he, CAO Xiao-bo (98)
- Effect of supplementation of *Flammulina velutipes* stembase on the caecal microflora, short chain fatty acid of broiler ZENG Qiao-li, SONG Hui1, GUO Hui-hui, GUO Chao, ZHEN Dong, LIANG Feng, ZHANG Tong-yao (104)
- Influential elements of per unit area grain yield and the meteorological disaster risk assessment in Anhui Province WU Yan-fei, XU Yu, XU Gang (115)
- Experimental study on the performance of pneumatic precision metering device for millet seeds LI Na, ZHAO Man-quan, LIU Fei, LIU Yue-qin, LV Bing, ZHANG Tao, DONG Shuai, CHEN Chen (122)
- Numerical simulation of portable short-throat flume in the field XIAO Yi-zhou, WANG Wen-e, HU Xiao-tao (129)
- Application of solar-phase change heat storage system in greenhouse YAN Yan-tao, ZOU Zhi-rong, LI Kai (139)
- Design and experimental study of methyl bromide mass concentration measuring system GONG Shao-run, ZOU Bing, LI Bai-shu, ZHANG Guang-ping, LI Li, TAN Yang, WANG Yue-jin (147)
- Construction land consolidation potential analysis for rural settlements from aspects of land use structure and their functions ZHANG Feng-rong, ZHOU Jian, ZHANG Bai-lin (155)
- An empirical research on the impact of factor price changes on agricultural energy efficiency DAI Hong-jun, SUN Tao, GUO Wen, ZHANG Kun, GAO Ming-mei (161)
- Rural labor transfer, excessive fertilizer use and agricultural non-point source pollution SHI Chang-liang, LI Emma, ZHU Jun-feng (169)