

目 次

胚乳切割与置换对小麦种子萌发和幼苗生长的影响

..... 罗秋辞 沈华苑 李盈佳 张英华 杨承美 王志敏(1)

秸秆还田条件下中国农田土壤有机碳含量变化及其影响因素的 Meta 分析

..... 王旭东 庄俊杰 刘冰洋 李帅帅 赵鑫 刘洋 张海林(12)

基于 RGB 颜色空间的早稻氮素营养监测研究

..... 叶春 刘莹 李艳大 曹中盛 张丽娜 刘继忠(25)

猪笼草叶笼滑移区各向异性超疏水润湿特性表征与机理分析

..... 王立新 张琳琳 张硕研 周强(35)

基质深度及基质袋摆放方式对春季袋培番茄产量、品质和养分吸收的影响

..... 张佼 屈锋 杨甲甲 胡晓辉(43)

SCFAs 对奶牛瘤胃上皮细胞 Ca^{2+} 信号通路相关基因表达的影响

..... 宁丽丽 成健 詹康 杨天宇 姜茂成 赵国琦(54)

三调耕地分等中全国标准耕作制度体系的确定 安萍莉 陈思宇 孟丽君 江丽(61)

东北黑土区小流域耕地土壤重金属污染特征及健康风险评价：

以海沟河小流域为例 高凤杰 王鑫 韩晶 刘媚媚 郭欣欣(73)

浑善达克沙地植物适宜性研究——内蒙古自治区正蓝旗沙地区为例

..... 薛頤 史明昌 丁国栋 高广磊 安全喜(84)

内蒙古荒漠草原植被 NPP 时空变化及气候因子分析：

以四子王旗为例 高艺宁 王宏亮 赵萌莉(100)

川西平原全域土地综合整治前后耕地变化及其效益评价

..... 敦佳 张凤荣 李何超 吴玺 谢臻 李鹏山 张天柱(108)

黄土高原植被的时空变化及其驱动力分析研究

..... 董懿 尹冬勤 李渊 严泰来 王红说(120)

我国农田重金属污染生态补偿研究现状与展望

——基于 CiteSpace 知识图谱分析 侯丽 高阳 刘路路(132)

超声波-热泵联合干燥黄豆种子特性分析 余飞 杨昭 杨宗豫(144)

木耳菌渣稻苗基质化利用难点及解决技术

..... 程舒 王艺凝 傅民杰 刘雨佳 吴明根(154)

我国农村能源发展现状及开发利用模式

..... 孙若男 杨曼 苏娟 杜松怀 李鹏 郑永乐(163)

价格促销对消费者品牌农产品购买决策的影响

——基于 Double-Hurdle 模型的实证分析 王芸娟 马骥(174)

目标价格政策下新疆棉花供给反应研究 丁建国 穆月英 钱加荣(184)

中国国有农场化肥投入效率测度及其时空分异 蔡荣 陶素敏 汪紫钰(194)

中国农业企业全要素生产率区域比较及驱动因素分析

——基于 1126 家国家重点龙头企业 王丽明 孙小龙 贾伟(204)

CONTENTS

- Effects of endosperm cutting and replacement on the germination and seedling growth of wheat LUO Qiuci , SHEN Huayuan , LI Yingjia ,
ZHANG Yinghua , YANG Chengmei , WANG Zhimin(1)
- Residue returning induced changes in soil organic carbon and the influential factors in
China's croplands: A meta-analysis WANG Xudong , ZHUANG Junjie ,
LIU Bingyang , LI Shuaishuai , ZHAO Xin , LIU Yang , ZHANG Hailin(12)
- Monitoring the nitrogen nutrition of early rice based on RGB color space YE Chun , LIU Ying , LI Yanda , CAO Zhongsheng ,
ZHANG Lina , LIU Jizhong(25)
- Anisotropic superhydrophobic wettability measurement and mechanism
analysis of slippery zone in *Nepenthes* pitchers WANG Lixin , ZHANG Linlin , ZHANG Shuoyan , ZHOU Qiang(35)
- Effects of substrate depth and substrate bag arrangement on yield,
quality and nutrient absorption of bag cultured tomato in spring ZHANG Jiao , QU Feng , YANG Jiajia , HU Xiaohui(43)
- Effects of SCFAs on the mRNA expressions of related genes in Ca^{2+} signaling
pathways in the rumen epithelial cells of dairy cow NING Lili , CHENG Jian ,
ZHAN Kang , YANG Tianyu , JIANG Maocheng , ZHAO Guoqi(54)
- Determination of standard farming system in cultivated land classification
of the third national land survey AN Pingli , CHEN Siyu , MENG Lijun , JIANG Li(61)
- Heavy metal pollution characteristics and its health risk assessment in a mollisol
watershed of Northeast China: Taking Haigou watershed as study case GAO Fengjie , WANG Xin , HAN Jing , LIU Meimei , GUO Xinxin(73)
- Suitability of plants in Hunshandake sandy land:
Taking Zhenglanqi sandy land in Inner Mongolia Autonomous Region as an example XUE Di , SHI Mingchang , DING Guodong , GAO Guanglei , AN Quanxi(84)

- Spatio-temporal dynamics of vegetation net primary productivity and its response to
climate change in desert steppe, Inner Mongolia: A case study in Siziwang Banner
..... GAO Yining , WANG Hongliang , ZHAO Mengli(100)
- Changes and benefit evaluations of cultivated land before and after comprehensive
land consolidation in West Sichuan Plain AO Jia , ZHANG Fengrong ,
LI Hechao , WU Xi , XIE Zhen , LI Pengshan , ZHANG Tianzhu(108)
- Spatio-temporal patterns of vegetation change and driving forces in the Loess Plateau
..... DONG Yi , YIN Dongqin , LI Yuan , YAN Tailai , WANG Hongshuo(120)
- Current status and prospects of ecological compensation for heavy metal pollution in
farmland in China: Based on CiteSpace knowledge mapping
..... HOU Li , GAO Yang , LIU Lulu(132)
- Characteristics of heat pump combined with ultrasound for drying soybean seed
..... YU Fei , YANG Zhao , YANG Zongyu(144)
- Difficulties and solutions of substrate utilization of *Auricularia* fungus
resided wastes for rice seedling cultivation
..... CHENG Shu , WANG Yining , FU Minjie , LIU Yujia , WU Minggen(154)
- Current situation of rural energy development and its development and utilization modes in China
..... SUN Ruonan , YANG Man , SU Juan , DU Songhuai , LI Peng , ZHENG Yongle(163)
- Influence of price promotion on consumers' purchase decision of brand agricultural products:
An empirical study based on Double-Hurdle model WANG Yunjuan , MA Ji(174)
- Study on Xinjiang cotton supply response under the target price policy
..... DING Jianguo , MU Yueying , QIAN Jiarong(184)
- Time and space differences in fertilizer input efficiency of state-owned farms in China
..... CAI Rong , TAO Sumin , WANG Ziyu(194)
- Regional comparison and driving factors of total factor productivity of agriculture enterprises in China:
Based on 1 126 state-level agricultural leading enterprises
..... WANG Liming , SUN Xiaolong , JIA Wei(204)