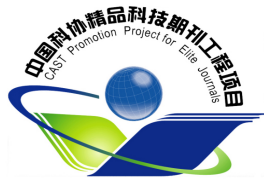


植物营养与肥料



4



植物营养与肥料学报

Zhiwu Yingyang Yu Feiliao Xuebao

第 28 卷 第 4 期

目 次

- 575 钾肥减施对稻麦轮作区作物产量和品质的影响 张鑫尧 王箫璇 陈磊 张敏 惠晓丽
柴如山 郜红建 罗来超
- 589 长期秸秆还田提升稻麦轮作系统土壤供钾容量和强度 杨雅 夏贤格 范先鹏 夏颖 张富林
刘冬碧 吴茂前 张志毅
- 598 不同减氮栽培模式对杂交水稻氮素吸收利用及产量的影响 李敏 罗德强 蒋明金 江学海 姬广梅
李立江 周维佳
- 611 根性状的共变性和可塑性驱动不同水稻基因型对氮环境的适应性 高剑飞 韩飞 张家铤 夏蕾 吉卉
李洪波 刘碧桃
- 622 不同筋型小麦干物质和氮素积累对追施氮量的响应 马瑞琦 王德梅 陶志强 王艳杰 杨玉双
赵广才 王振林 常旭虹
- 632 氮肥用量和喷施锌钾肥对小麦籽粒锌含量及生物有效性的影响 李萌 谢平 黄应平 王亚林 田霄鸿
- 643 磷对盐碱胁迫下棉花离子平衡及相关调控基因的影响 孙嘉璘 侯振安
- 654 土壤微生物在枸橼溶性和聚合态磷肥活化利用中的作用 杨紫杭 张林 冯固
- 664 利用稻壳炭提高复合肥料在土壤中的磷素有效性 白玉超 朱婧 王宗抗 崔国贤 余玮
王辉
- 675 有机肥替代化肥比例对椪柑生长发育、产量和土壤生物学特性的影响 万连杰 何满 田洋 郑永强 吕强
谢让金 马岩岩 邓烈 易时来 李建
- 688 养分优化管理实现蜜柚高产高效和降低碳排放 罗自威 陶晶霞 侯凯捷 张利军 陈晓辉
王玉雯 廖文强 吴良泉 李延 郭九信
- 701 50 份毛叶苕子品种(系)在青海作秋绿肥的能力评价 陈子英 常单娜 韩梅 李正鹏 严清彪
周国朋 孙小凤 曹卫东
- 715 重庆市食用菌菌渣养分与重金属含量分析 梁涛 胡留杰 张涛 王帅 赵敬坤
胡玮 卢文才 任鹏飞 王孝忠 廖敦秀

专题综述

- 726 化肥产品创新驱动产业转型升级 赵秉强 袁亮
- 732 植物响应低硫胁迫的分子生物学机制研究进展 黄丽雅 李方剑 张亚楠 麦翠珊 王金祥

研究简报

- 743 利用无人机多光谱数据监测玉米对不同灌溉模式的响应差异 马龙飞 胡乃月 李伟 秦伟龙 黄收兵
王志敏 李斐 于康
- 754 青海高原小麦秸秆-毛叶苕子混合腐解特征 谢帅 梁鑫宇 宋明丹 韩梅 李正鹏

JOURNAL OF PLANT NUTRITION AND FERTILIZERS

Vol. 28 No. 4

CONTENTS

- 575 Effects of potassium fertilizer reduction on crop grain yield and quality under rice–wheat rotation
ZHANG Xin-yao WANG Xiao-xuan
CHEN Lei ZHANG Min HUI Xiao-li
CHAI Ru-shan GAO Hong-jian
LUO Lai-chao
- 589 Long-term straw returning increase the capacity and intensity of soil potassium supply in a rice and wheat rotation system
YANG Ya XIA Xian-ge FAN Xian-peng
XIA Ying ZHANG Fu-lin LIU Dong-bi
WU Mao-qian ZHANG Zhi-yi
- 598 Effects of nitrogen-reduction cultivation models on nitrogen accumulation and yield of hybrid indica rice
LI Min LUO De-qiang JIANG Ming-jin
JIANG Xue-hai JI Guang-mei LI Li-jiang
ZHOU Wei-jia
- 611 The covariation and plasticity of root traits drive different rice genotypes to adapt to the nitrogen environment
GAO Jian-fei HAN Fei ZHANG Jia-yi
XIA Lei JI Hui LI Hong-bo LIU Bi-tao
- 622 Response of dry matter and nitrogen accumulation of wheats with different gluten contents to topdressing rate of nitrogen fertilizer
MA Rui-qi WANG De-mei TAO Zhi-qiang
WANG Yan-jie YANG Yu-shuang
ZHAO Guang-cai WANG Zhen-lin
CHANG Xu-hong
- 632 Effects of soil N application rate and foliar application of Zn and K on Zn concentration and its bioavailability in wheat grains
LI Meng XIE Ping HUANG Ying-ping
WANG Ya-lin TIAN Xiao-hong
- 643 Effect of phosphorus on ionic balance and expression of related regulatory genes of cotton under salt and alkali stresses
SUN Jia-lin HOU Zhen-an
- 654 Effects of soil microorganisms on the utilization of citrate soluble and polymerized phosphorus fertilizers
YANG Zi-hang ZHANG Lin FENG Gu
- 664 Use of rice husk biochar to improve phosphorus availability of compound fertilizer in soil
BAI Yu-chao ZHU Jing WANG Zong-kang
CUI Guo-xian SHE Wei WANG Hui
- 675 Effects of partial substitution of chemical fertilizer with organic fertilizer on Ponkan growth and yield and soil biological properties
WAN Lian-jie HE Man TIAN Yang
ZHENG Yong-qiang LÜ Qiang
XIE Rang-jin MA Yan-yan DENG Lie
YI Shi-lai LI Jian
- 688 Optimized nutrient management improves fruit yield and fertilizer use efficiency and reduces carbon emissions in pomelo production
LUO Zi-wei TAO Jing-xia HOU Kai-jie
ZHANG Li-jun CHEN Xiao-hui
WANG Yu-wen LIAO Wen-qiang
WU Liang-quan LI Yan GUO Jiu-xin
- 701 Capability evaluation of 50 hairy vetch cultivars (lines) as autumn green manure in Qinghai Province, Northwest China
CHEN Zi-ying CHANG Dan-na HAN Mei
LI Zheng-peng YAN Qing-biao
ZHOU Guo-peng SUN Xiao-feng
CAO Wei-dong

- 715 Nutrient and heavy metal contents in edible fungus residues in Chongqing
LIANG Tao HU Liu-jie ZHANG Tao
WANG Shuai ZHAO Jing-kun HU Wei
LU Wen-cai REN Peng-fei
WANG Xiao-zhong LIAO Dun-xiu

Comment on special topic

- 726 Innovation in chemical fertilizer products driving industrial transformation and evolution
ZHAO Bing-qiang YUAN Liang
- 732 Advances on molecular mechanisms of plants in response to low sulfur stress
HUANG Li-ya LI Fang-jian
ZHANG Ya-nan MAI Cui-shan
WANG Jin-xiang

Short communication

- 743 Using multispectral drone data to monitor maize's response to various irrigation modes
MA Long-fei HU Nai-yue LI Wei
QIN Wei-long HUANG Shou-bing
WANG Zhi-min LI Fei YU Kang
- 754 Characteristics of mixed decay of wheat straw-hairy vetch on the Qinghai plateau
XIE Shuai LIANG Xin-yu SONG Ming-dan
HAN Mei LI Zheng-peng