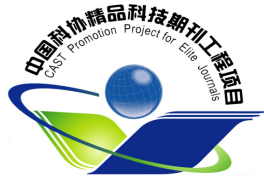


植物营养与肥料





植物营养与肥料学报

Zhiwu Yingyang Yu Feiliao Xuebao

第 27 卷 第 9 期

目 次

- 1487 我国有机肥原料及商品有机肥中四环素类抗生素的检出率及含量 杨 威 狄彩霞 李 季 田有国 史凯丽
赵 迪 王甲辰 谭启玲
- 1496 新型肥料对全球三大粮食作物产量和土壤生物学活性影响的 Meta 分析 郝胜磊 蔡廷瑶 冯小杰 油伦成 杨 雪
黄成东 陈永亮 崔振岭
- 1506 施硅提高玉米抗蚜性的组成型和诱导型生理代谢机制 戚秀秀 刘艺凝 魏 畅 王 祎 姜 瑛
韩燕来
- 1523 小麦开花期适量灌溉提高水氮利用效率减少土壤硝态氮淋洗的机理 唐兴旺 石 玉 于振文 张永丽
- 1534 中、高产型小麦干物质和氮素累积转运对水氮的响应 吕广德 亓晓蕾 张继波 牟秋焕 吴 科
钱兆国
- 1548 关中平原夏玉米临界磷浓度稀释曲线构建与磷营养诊断 刘 苗 刘朋召 师祖姣 王小利 王 瑞
李 军
- 1560 不同氮肥减施量下玉米针叶豌豆间作体系的产量及效益 卢秉林 车宗贤 包兴国 张久东 曹卫东
吴科生 杨蕊莉 崔 恒
- 1571 玉米-绿肥轮作体系下光叶紫花苜蓿的氮肥替代和土壤肥力提升效应 陈检锋 梁 海 王 伟 陈 华 尹 梅
王志远 刘 俊 陈 军 高嵩涓 曹卫东
付利波
- 1581 减氮配施抑制剂及鸡粪提高尿素氮在稻田土壤中的转化及利用 于春晓 张丽莉 杨立杰 武开阔 李文涛
宋玉超 李东坡 武志杰
- 1592 黄土高原生物结皮对土壤养分的表层聚集与吸附固持效应 王芳芳 肖 波 李胜龙 孙福海
- 1603 磷肥用量对马铃薯淀粉理化性质及产量的影响 程 瑶 孙 磊 原 琳 聂 鑫
- 1614 锌与磷肥混合方式对土壤中磷、锌有效性的影响 赵丽芳 袁 亮 张水勤 赵秉强 林治安
熊启中 李燕婷
- 1627 绿肥腐解液中有机酸组成对铝磷和铁磷活化能力的影响 顾炽明 李 越 李银水 谢立华 沈欣杰
李小勇 秦 璐 廖 星
- 专题综述
- 1636 低植酸作物遗传改良途径与磷资源高效利用 蒋 鹏 李家庆 郭竞选 赵 政 袁力行
- 研究简报
- 1648 基于 GIS 和丰缺指标法的区域施肥管理体系的构建 高宏艳 索全义 郑海春 郜翻身
- 1656 海藻提取物复合制剂适宜用量提高桃果实产量、品质及养分吸收量 于会丽 徐变变 徐国益 邵 微 刘慧敏
张子华 乔宪生 司 鹏
- 1665 基于蕲艾产量和品质的氮肥适宜施用量研究 马 琳 陈昌婕 苗玉焕 郭兰萍 刘大会

JOURNAL OF PLANT NUTRITION AND FERTILIZERS

Vol. 27 No. 9

CONTENTS

- 1487 Detection rate and concentration of tetracycline antibiotics in organic fertilizers raw materials and commercial products in China
YANG Wei DI Cai-xia LI Ji TIAN You-guo
SHI Kai-li ZHAO Di WANG Jia-chen
TAN Qi-ling
- 1496 Effects of new fertilizers on the yield and soil biological activity of three major food crops: A global meta-analysis
HAO Sheng-lei CAI Ting-yao
FENG Xiao-jie YOU Lun-cheng YANG Xue
HUANG Cheng-dong CHEN Yong-liang
CUI Zhen-ling
- 1506 Mechanism of silicon application to improve constitutive and inducible resistance to aphid during physiological metabolism of maize
QI Xiu-xiu LIU Yi-ning WEI Chang
WANG Yi JIANG Ying HAN Yan-lai
- 1523 Mechanism of improving water and nitrogen use efficiency and reducing soil nitrate leaching by suitable irrigation during the anthesis stage of wheat
TANG Xing-wang SHI Yu YU Zhen-wen
ZHANG Yong-li
- 1534 Response of nitrogen and dry matter accumulation in middle and high yield wheat cultivars to water and nitrogen supply
LÜ Guang-de QI Xiao-lei ZHANG Ji-bo
MU Qiu-huan WU Ke QIAN Zhao-guo
- 1548 Critical phosphorus dilution curve and phosphorus nutrition diagnosis of summer maize in Guanzhong Plain
LIU Miao LIU Peng-zhao SHI Zu-jiao
WANG Xiao-li WANG Rui LI Jun
- 1560 Yield and economic benefit of corn/needle leaf pea intercropping system under different nitrogen fertilizer reduction rates
LU Bing-lin CHE Zong-xian BAO Xing-guo
ZHANG Jiu-dong CAO Wei-dong
WU Ke-sheng YANG Rui-ju CUI Heng
- 1571 Effects of smooth vetch (*Vicia villosa* Roth var. *glabrescens*) incorporation on nitrogen fertilizer replacement and soil fertility improvement in a maize-green manure rotation system
CHEN Jian-feng LIANG Hai WANG Wei
CHEN Hua YIN Mei WANG Zhi-yuan
LIU Jun CHEN Jun GAO Song-juan
CAO Wei-dong FU Li-bo
- 1581 Combining N-inhibitor and chicken manure with reduced N fertilizer to improve the conversion and utilization of fertilizer N in a paddy soil
YU Chun-xiao ZHANG Li-li YANG Li-jie
WU Kai-kuo LI Wen-tao SONG Yu-chao
LI Dong-po WU Zhi-jie
- 1592 Biocrusts increase soil nutrient levels by increasing the nutrient retention ability of surface soil on the Loess Plateau
WANG Fang-fang XIAO Bo LI Sheng-long
SUN Fu-hai
- 1603 Effects of phosphorus fertilizer application rates on physicochemical properties and yield of potato starch
CHENG Yao SUN Lei YUAN Lin NIE Xin
- 1614 Effects of combining zinc and phosphate fertilizers using different methods on the availability of zinc and phosphorus in soil
ZHAO Li-fang YUAN Liang
ZHANG Shui-qin ZHAO Bing-qiang
LIN Zhi-an XIONG Qi-zhong LI Yan-ting
- 1627 Effects of organic acid composition in the decomposed liquid of green manure crops on the activation level of $AlPO_4$ and $FePO_4 \cdot 2H_2O$
GU Chi-ming LI Yue LI Yin-shui
XIE Li-hua SHEN Xin-jie LI Xiao-yong
QIN Lu LIAO Xing

Comment on special topic

1636 Genetic approaches to lower grain phytic acid for high phosphorus use efficiency in crops

JIANG Peng LI Jia-qing GUO Jing-xuan
ZHAO Zheng YUAN Li-xing

Short communication

1648 Construction of regional fertilization system based on GIS and nutrient abundance index

GAO Hong-yan SUO Quan-yi
ZHENG Hai-chun GAO Fan-shen

1656 Optimum application of seaweed extracts promote the yield, quality and nutrient absorption of peach fruit

YU Hui-li XU Bian-bian XU Guo-yi
SHAO Wei LIU Hui-min ZHANG Zi-hua
QIAO Xian-sheng SI Peng

1665 The appropriate nitrogen fertilization rate to enhance *Artemisia argyi* yield and quality

MA Lin CHEN Chang-jie MIAO Yu-huan
GUO Lan-ping LIU Da-hui