

QK1704160

ISSN 0564-3945

CN 21-1172/S

土壤通报

CHINESE JOURNAL OF SOIL SCIENCE

第48卷 第2期 Vol.48 No.2

2017

ISSN 0564-3945



9 770564 394174

中国土壤学会 主办
科学出版社 出版

土壤通报

(Turang Tongbao)

第48卷 第2期 2017年4月

目 次

研究报告

- 武功县耕地质量空间变异分析 石玉琼, 李团胜 (257)
滇中高原不同起源华山松林地土壤质量分析 杨媛媛, 陈奇伯, 黎建强, 刘佩琪, 李霖航, 王红 (263)
吉林省春玉米土地生产潜力时空变化及其与气候因子的关系
..... 任景全, 郭春明, 刘玉汐, 陈立文, 李琪, 陈霞燕 (270)
沂蒙山区典型县土壤可蚀性K值空间变异研究
..... 荆莎莎, 张荣华, 张庆红, 刘霞, 邱冠军, 李欢, 于全波 (278)
环京津地区耕地利用系统健康评价研究 赵青, 于水潇, 夏书培, 许皞 (285)
基于BP神经网络的土壤墒情预测精度研究——以肥东县为例
..... 李小刚, 王静, 马友华, 林坡, 张益, 汪宗阳 (292)
那曲东部土壤水分MODIS遥感反演研究 陈涛, 卓嘎, 拉巴 (298)
生物炭颗粒在饱和多孔介质中的迁移与滞留 杨雯, 郝丹丹, 徐东昊, 商建英, 李保国 (304)
铬在含水介质中的迁移及释放规律 刘瑜, 王雨, 李银, 胡羽成 (313)
压砂地砂层持水特性研究 谭军利, 王西娜, 田军仓, 王玉龙, 朱勇静 (319)
半干旱黄土丘陵区雨季土壤水分动态分析
..... 艾宁, 强方方, 朱清科, 魏天兴, 秦伟, 葛根巴图, 王瑜 (326)
陕西省土壤温度和水分状况估算 刘姣姣, 齐雁冰, 陈洋, 张亮亮, 秦倩茹, 于晓杰 (335)
不同规格微型蒸渗仪测定土壤蒸发的试验研究 杨宪龙, 魏孝荣, 邵明安 (343)
连续秸秆还田对水稻土中钾素形态的影响 殷志遥, 黄丽, 薛斌, 黄雅楠, 李小坤, 鲁剑巍 (351)
复垦煤矸山不同土地利用类型土壤微生物群落分析 庞碧琳, 于亚军 (359)
秸秆覆盖免耕对土壤氨基糖在团聚体粒级中分布的影响
..... 苏淑芳, 于清军, 刘亚军, 宣然然, 解宏图, 何洪波, 王贵满, 张旭东 (365)
长三角地区农用地土壤肥力特征及综合评价——以朱林镇为例
..... 余泓, 潘剑君, 李加加, 隋传嘉, 王飞 (372)
我国旱地两熟区土壤养分时空变异的调查研究
..... 李鹏, 关强, 邬梦成, 康国栋, 刘满强, 李辉信, 胡锋, 焦加国 (380)
吉林省农田耕层土壤pH的时空变化特征 王寅, 张馨月, 高强, 李翠兰, 焉莉, 冯国忠 (387)
黄河三角洲典型人工林土壤碳氮磷化学计量特征 陈印平, 夏江宝, 赵西梅, 诸葛玉平 (392)
珠江三角洲平原农田土壤有机碳组分及剖面分布特征
..... 刘红宜, 陈冲, 卢瑛, 贾重建, 崔启超, 熊凡 (399)
我国东北寒温带湿地土壤碳氮分布及相关性 王诗乐, 宋立全, 高伟峰, 梁红, 高大文 (406)
艾比湖湿地七种植被类型土壤全氮分布特征研究 王勇辉 (413)
日光温室土壤养分含量及比例与种植年限的关系 刘岩, 周建斌, 刘占军, 李惠霞, 陈竹君 (420)
镁肥对小白菜产量、矿质元素吸收及土壤肥力的影响 黄东风, 王利民, 李卫华, 邱孝煊, 罗涛 (427)
水肥管理对带田土壤肥力和作物产量的影响 袁金华, 俄胜哲, 黄涛, 车宗贤, 包兴国, 曾希柏 (433)
秸秆气化产物对辣椒生长的影响
... 杜鹃, 马明, 王东升, 王蓓, 徐明喜, 李伟明, 陈莉莉, 刘庆叶, 陈奎礼, 孙雪花, 吴旭东 (441)
不同施肥管理措施对土壤物理性状及无机氮的影响

- 蔡红光, 袁静超, 闫孝贡, 刘剑钊, 张洪喜, 梁尧, 任军 (445)
生物炭和无机肥对盐碱滩涂围垦农田土壤性状的影响
- 孙运朋, 杨劲松, 姚荣江, 张新, 陈小兵, 王相平, 谢文萍 (454)
菌糠搭载硫酸铝对盐碱地稻田养分状况的影响研究
- 王帅, 王楠, 陈殿元, 姚凯, 徐俊平, 李玉玺, 任邵琦 (460)
施用猪粪条件下重金属对土壤氮素净转化的影响 李平, 郎漫, 李煜姗, 刘尔宁 (467)
贵州万山汞矿区某农田土壤重金属污染特征及来源解析
- 湛天丽, 黄阳, 滕应, 何腾兵, 石维, 候长林, 骆永明, 赵其国 (474)
西安市地表灰尘中重金属污染水平与健康风险评价 张文娟, 王利军, 王丽, 史兴民, 卢新卫 (481)
炉渣污泥合成陶瓷吸附剂去除饮用水中土臭素的研究 葛苏阳, 吴睿, 徐力刚 (488)

专题综述

- 盐碱地土壤酶活性研究进展和展望 张体彬, 展小云, 冯浩 (495)
作物残体应用性及稳定性研究进展 范围, 吴景贵 (501)
鳌合肥料在农业上的应用效果研究 何键, 聂兆广, 李玲玉, 黄明丽, 张凤魁, 徐荣臣, 颜冬云 (507)

CHINESE JOURNAL OF SOIL SCIENCE

Vol.48 No.2 Apr., 2017

CONTENTS

Research Articles

- Analysis of Spatial Variation of Arable Land Quality in Wugong County SHI Yu-qiong, LI Tuan-sheng (257)
- Soil Quality Analysis in Different Origin of Pinus Armandii in Central Yunnan Plateau, China
..... YANG Yuan-yuan, CHEN Qi-bo, LI Jian-qiang, LIU Pei-qi, LI Ji-hang, WANG Hong (263)
- Spatial and Temporal Changes of Land Potential Productivity of Spring Maize and Its Relationship with Climate Factors in Jilin Province
..... REN Jing-quan, GUO Chun-ming, LIU Yu-xi, CHEN Li-wen, LI Qi, CHEN Xia-yan (270)
- Spatial Variability on K Value of Soil Erodibility in Typical County of Yimeng Mountain Area
..... JING Sha-sha, ZHANG Rong-hua, ZHANG Qing-hong, LIU Xia, QIU Guan-jun, LI Huan, YU Quan-bo (278)
- Study on Health Evaluation of Cultivated Land Use System in the Area around Beijing and Tianjin based on Improved TOPSIS Method ZHAO Qing, YU Shui-xiao, XIA Shu-pei, XU Hao (285)
- Research on Soil moisture Forecast Model based on BP Neural Network—a Case Study at Feidong County
..... LI Xiao-gang, WANG Jing, MA You-hua, LIN Po, ZHANG Yi, WANG Zhong-yang (292)
- Study on Soil Moisture by Remote Sensing Retrieval based on MODIS Data in Eastern Naqu
..... CHEN Tao, ZHUO Ga, LA Ba (298)
- Transport and Retention of Biochar Particles in Saturated Porous Media
..... YANG Wen, HAO Dan-dan, Xu Dong-hao, SHANG Jian-ying, LI Bao-guo (304)
- Migration and Release of Chromium in Underground Aquifer Media
..... LIU Yu, WANG Yu, LI Yin, HU Yu-cheng (313)
- Water Retention Characteristics of Gravel-sand Stratum on the Gravel-sand Mulched Field
..... TAN Jun-li, WANG Xi-na, TIAN Jun-cang, WANG Yu-long, ZHU Yong-jing (319)
- Dynamic Analysis for Soil Moisture during the Rainy Season at Semiarid Loess Hilly Region
..... AI Ning, QIANG Fang-fang, ZHU Qing-ke, WEI Tian-xing, QIN Wei, GE Gen-ba-tu, WANG Yu (326)
- Assessment of Soil Moisture and Temperature Regime Classes in Shaanxi Province
..... LIU Jiao-jiao, Qi Yan-bing, CHEN Yang, ZHANG Liang-liang, QIN Qian-ru, YU Xiao-jie (335)
- Effect of Different Kinds of Micro-lysimeters on Soil Evaporation Measurement
..... YANG Xian-long, WEI Xiao-rong, SHAO Ming-an (343)
- Effect of Continuous Straw Incorporation on Forms of Potassium in the Paddy Soils
..... YIN Zhi-yao, HUANG Li, XUE Bin, HUANG Ya-nan, LI Xiao-kun, LU Jian-wei (351)
- Analysis on Soil Microbial Community in Different Land Use Types on Reclamation of Coal Waste Pile
..... PANG Bi-lin, YU Ya-jun (359)
- Effects of No-tillage with Stalk Mulching on Distribution of Amino Sugars in Soil Aggregate Fractions
..... SU Shu-fang, YU Qing-jun, LIU Ya-jun, XUAN Ran-ran, XIE Hong-tu, HE Hong-bo, WANG Gui-man, ZHANG Xu-dong (365)
- Characteristics of Soil Fertility and Comprehensive Evaluation on Agricultural Land in the Yangtze River Delta
—a Case Study of Zhulin Town YU Hong, PAN Jian-jun, LI Jia-jia, SUI Chuan-jia, WANG Fei (372)
- Investigation of Temporal and Spatial Variability of Soil Nutrients in Double Cropping Area of the Upland, China
..... LI Peng, GUAN Qiang, WU Meng-cheng, TANG Guo-dong, Liu Man-qiang, Li Hui-xin, Hu Feng, Jiao Jia-guo (380)
- Temporal and Spatial Variability of Soil pH in Cropland of Jilin Province
..... WANG Yin, ZHANG Xin-yue, GAO Qiang, LI Cui-lan, YAN Li, FENG Guo-zhong (387)
- Effect of Different Plantation Types on Soil Ecological Stoichiometry in Yellow Delta
.....

.....	CHEN Yin-ping, XIA Jiang-bao, ZHAO Xi-mei, ZHUGE Yu-ping (392)
Characteristics of Organic Carbon Fractions and its Distribution in Soil Profiles of Cultivated Land in Pearl River Delta Plain	LIU Hong-yi, CHEN Chong, LU Ying, JIA Chong-jian, CUI Qi-chao, Xiong Fan (399)
Distribution of Soil Carbon and Nitrogen and their Correlation in Boreal Wetland in the Cold Temperate Zone of Northeast China	WANG Shi-le, SONG Li-quan, GAO Wei-feng, LIANG Hong, GAO Da-wen (406)
Study on Soil Nitrogen Distribution in Ebinur Lake Wetland	WANG Yong-hui (413)
Relationships between Content and Ratio of Soil Nutrient and Cultivating Years in Solar Greenhouse
.....	LIU Yan, ZHOU Jian-bin, LIU Zhan-jun, LI Hui-xia, CHEN Zhu-jun (420)
Effects of Applying Magnesium Fertilizer on Chinese Cabbage Yield, Nutrient Element Uptake and Soil Fertility	HUANG Dong-feng, WANG Li-min, LI Wei-hua, QIU Xiao-xuan, LUO Tao (427)
Effects of Water and Fertilizer Management on Soil Fertility and Crop Yield in Wheat/Corn Intercropping System	YUAN Jin-hua, E Sheng-zhe, HUANG Tao, CHE Zong-xian, BAO Xing-guo, ZENG Xi-bai (433)
Influence of Straw Gasification Products on Pepper Growth	DU Juan, MA Ming, WANG Dong-sheng, WANG Bei, XU Ming-xi, LI Wei-ming, CHEN Li-li, LIU Qing-ye, CHEN Kui-li, SUN Xue-hua, WU Xu-dong (441)
Characteristics of Soil Physical Property and Mineral Nitrogen under Different Soil Fertility Managements CAI Hong-guang, YUAN Jing-chao, YAN Xiao-gong, LIU Jian-zhao, ZHANG Hong-xi, LIANG Yao, REN Jun (445)
Effects of Biochar and Chemical Fertilizer Application on Soil Properties in Farmland Reclaimed from Salinity Tidal Flat	SUN Yun-peng, YANG Jin-song, YAO Rong-jiang, ZHANG Xin, CHEN Xiao-bing, WANG Xiang-ping, XIE Wen-ping (454)
Ameliorated Effect of Fungus Dregs Combined with Aluminum Sulfate on the Nutrient Condition of Paddy Field in Saline-alkali Land WANG Shuai, WANG Nan, CHEN Dian-yuan, YAO Kai, XU Jun-ping, LI Yu-xi, REN Shao-qi (460)
Effects of Heavy Metals on Net Nitrogen Transformation in Soil with Pig Manure Applied LI Ping, LANG Man, LI Yu-shan, LIU Er-ning (467)
Pollution Characteristics and Sources of Heavy Metals in Farmland Soil in Wanshan Mining Areas, Guizhou ZHAN Tian-li, HUANG Yang, TENG Ying, HE Teng-bin, SHI Wei, HOU Chang-lin, LUO Yong-ming, ZHAO Qi-guo (474)
Assessment of Pollution Level and Health Risks of Heavy Metals in Surface Dust in Xi'an City, NW China ZHANG Wen-juan, WANG Li-jun, WANG Li, SHI Xing-min, LU Xin-wei (481)
Research on Geosmin Removal by Synthesized Ceramic Adsorbent from Bottom Slag and Sewage Sludge GE Su-yang, WU Rui, XU Li-gang (488)

Reviews and Comments

Research Advance and Prospect of Soil Enzyme Activities in Saline-alkali Soils ZHANG Ti-bin, ZHAN Xiao-yun, FENG Hao (495)
Crop Residue Application and Stabilization in Soil: A Review	FAN Wei, WU Jing-gui (501)
The Application Effects of Chelate Fertilizers in Agriculture	HE Jian, NIE Zhao-guang, LI Ling-yu, HUANG Ming-li, ZHANG Feng-kui, XU Rong-chen, YAN Dong-yun (507)

中文核心期刊
中国科学引文数据库(CSCD)来源期刊
中国学术期刊综合评价数据库(CAJCED)统计源期刊
中国期刊全文数据库(CJFD)全文收录期刊
《CAJ-CD 规范》执行优秀奖
《中国期刊网》、《中国学术期刊(光盘版)》全文收录期刊
《中国核心期刊(遴选)数据库》收录期刊
中国科技论文统计源期刊(中国科技核心期刊)
《中国生物学文摘》和生物学文献数据库收录期刊
辽宁省一级期刊
RCCSE 中国权威学术期刊

土壤通报
Turang Tongbao

(双月刊 1957 年创刊)

第 48 卷 第 2 期(总第 287 期) 2017 年 4 月

CHINESE JOURNAL
OF SOIL SCIENCE
(Bimonthly, Started in 1957)

Vol.48 No.2 Apr., 2017

主管单位 中国科学技术协会

Administered by China Association for Science and Technology

主办单位 中国土壤学会

Sponsored by Soil Science Society of China

承办单位 沈阳农业大学

Undertaken by Shenyang Agricultural University

编 辑 《土壤通报》编辑委员会

Edited by Editorial Committee of Chinese Journal of Soil Science

沈阳市沈河区东陵路 120 号, 邮政编码: 110866

Add: Dongling Road 120, Shenyang 110866, China

网址: <http://www.trtb.net>

Web: <http://www.trtb.net>

主 编 张玉龙

Editor in Chief ZHANG Yu-long

出 版 辽宁省出版社

Science Press

北京东黄城根北街 16 号, 邮政编码: 100717

16 Donghuangchenggen North Street, Beijing 100717, China

印刷单位 沈阳中科印刷有限责任公司

Shenyang Zhongke Printing Co.Ltd.

总 发 行 辽宁省邮政公司报刊发行公司

Post Company in Liaoning Province Newspaper

Distribution Companies

国内发行 全国各地邮局

Domestic Issue by All Local Post Offices in China

国外发行 中国国际图书贸易总公司

Oversea Issue by China International Book Trading Corporation

北京 399 信箱, 邮政编码: 100048

P.O.Box 399, Beijing 100048, China

刊号: ISSN 0564-3945
CN 21-1172/S

国内邮发代号: 8-15
国外发行代号: BM8088

2017 年 4 月 6 日出版 定价: 50.00 元