

目次

□试验研究□

- 温室滴灌系统支管水力性能及简化计算研究 丁法龙 王文娥 胡笑涛 等(1)
- 滴灌条件下地膜覆盖对玉米田间土壤水热效应的影响 赵靖丹 李瑞平 史海滨 等(6)
- 调亏灌溉对粤北烤烟农艺性状及耗水规律的影响 姜俊红 汪 军 劳同浩 等(10)
- 不同灌水量对饲料玉米耗水特性和生物量的影响 曹雪松 李和平 郑和祥 等(16)
- 灰色 GM(0,N)模型在土壤田间持水量预测中的应用 岳海晶 樊贵盛(19)
- 无压灌溉条件下不同滴灌施氮量对樱桃生长发育及产量的影响 李 蕊 张宽地 陈俊英(23)
- 不同滴灌施肥装置施肥对棉花植株生长及产量的影响 朱 鹏 王 飞 温鹏飞 等(27)
- 膜下滴灌旱种下寒地水稻品质与产量关系的研究 郭晓红 孙立明 姜玉伟 等(30)
- 保水剂对土壤持水性影响及在不同土壤中效果比较 闫永利 魏占民 任秀苹 等(34)
- 规模化节水滴灌对灌水量和植株性状影响的分析与研究 何 幸 陈小强 马显莹 等(39)
- 河西典型灌区沟畦节水模式试验研究 徐宝山 赵文洪 张朝晖 等(43)
- 旱区压砂地甜瓜水分生产函数试验研究 沈 晖 田军仓 马 波(47)

□水环境与水资源□

- 基于因子分析的 TOPSIS 法改进对浅层地下水综合评价 苏建云 黄耀裔 李子蓉(50)
- 人工湿地对矿业污染物净化效果评价与分析 周林飞 张明含 王鹤翔 等(55)
- 井渠结合灌区地下水开采方案设计研究——以泾惠渠灌区试验区为例 董起广 韩霖昌 张卫华 等(59)
- 新疆农业水资源利用效率测度及其影响因素分析 王洁萍 刘国勇 朱美玲(63)
- 基于改进 TOPSIS 法的通辽市水土资源利用效益评价 王志新 何俊仕(68)

□工程管理□

- 基于熵权系数评价模型的烟田灌排工程综合效益分析 王 燕 彭 勃(73)
- 考虑水资源优化配置的作物种植结构的调整——以河北省邢台市为例 胡 佳 商彦蕊 史晓瑞 等(76)
- 基于畦灌灌水效果的土壤入渗参数预测精度控制研究 雷国庆 樊贵盛(81)
- 基于 BSC 的农业节水技术公司化服务模式绩效评价指标体系研究 范 婷 朱美玲(85)

□工程技术□

- 基于太阳能光伏发电提水微润管自动灌溉发展模式 金建新 桂林国 何进勤 等(89)
- 微润灌溉技术自动控制的研究 程 岩 王新坤 朱燕翔 等(91)

□信 息□

- 摘要编写须知 (67)
- 喷灌喷泉百家合作专业市场 (88)
- 欢迎订阅 2016 年《节水灌溉》 (94)

Water Saving Irrigation (Monthly)

January 2016

No.1(2016), Total No.245

Contents

A Study on the Hydraulic Performance and Simplified Calculation of Branch Line in Drip Irrigation System	DING Far-long, WANG Wen-e, HU Xiao-tao, et al.(1)
Effects of Plastic Mulching of Maize on Soil Water and Temperature under Drip Irrigation	ZHAO Jing-dan, LI Rui-ping, SHI Hai-bing, et al.(6)
Effect of RDI on Agronomic Traits and Water Consumption Law of Flue-cured Tobacco in Northern Guangdong	JIANG Jun-hong, WANG Jun, LAO Tong-hao, et al.(10)
Effects of Different Irrigation Amount on Water Consumption Characteristics and Biomass of Forage Maize	CAO Xue-song, LI He-ping, ZHENG He-xiang, et al.(16)
Application of Grey GM (0, N) Model in Soil Field Moisture Capacity Prediction	YUE Hai-jing, FAN Gui-sheng(19)
Influence of Different Fertigation Quantity on Growth and Yield of Cherry under Non-pressure Irrigation	LI Rui, ZHANG Kuan-di, CHEN Jun-ying(23)
Effects of Different Drip Irrigation Fertilization Device on Plant Growth and Yield of Cotton	ZHU Peng, WANG Fei, WEN Peng-fei, et al.(27)
Influence of Water Retaining Agent on Soil Water Holding Capacity and its Effect Comparison in Different Soils	YAN Yong-li, WEI Zhan-min, REN Xiu-ping, et al.(34)
Analysis and Research of Effects of Scale Water Saving Drip Irrigation on Irrigation Quantity and Plant Traits	HE Xing, CHEN Xiao-Qiang, MA Xian-Ying, et al.(39)
Experimental Research on Water Production Function for Melon in Gravel-mulched Field of Arid Area	SHEN Hui, TIAN Jun-cang, MA Bo(47)
Comprehensive Evaluation of Shallow Groundwater Using Improved TOPSIS Method Based on Factor Analysis	SU Jian-yun, HUANG Yao-yi, LI Zi-rong(50)
Assessment and Analysis of Purification Effect of Constructed Wetland to Mining Pollutants	ZHOU Lin-fei, ZHANG Ming-han, WANG He-xiang, et al.(55)
Design of Groundwater Exploitation Scheme in Well-canal Combined Irrigated Area —— A Case Study of Test Area in Jinghui Irrigation District	DONG Qi-guang, HAN Ji-chang, ZHANG Wei-hua, et al.(59)
Measurement and Influential Factors of Irrigation Water Use Efficiency in Xinjiang	WANG Jie-ping, LIU Guo-yong, ZHU Mei-ling(63)
Benefit Evaluation of Water and Soil Resources Utilization in Tongliao Based on Improved TOPSIS Method	WANG Zhi-xin, HE Jun-shi(68)
Comprehensive Benefit Analysis of Flue-cured Tobacco Fields Irrigation and Drainage Project Based on Entropy Weight Coefficient Evaluation Model	WANG-Yan, PENG-Jie(73)
Research on the Soil Infiltration Parameters Prediction Accuracy Control Based on Irrigation Effect of Border Irrigation	LEI Guo-qing, FAN Gui-sheng(81)
Performance Evaluation Index System for Agricultural Water-saving Technology Company Service Mode Based on BSC	FAN Ting, ZHU Mei-ling(85)
A Study on Automatic Control of Micro-moist Irrigation Technology	CHENG Yan, WANG Xin-kun, ZHU Yan-xiang, et al.(91)

Competent Authorities : Ministry of Water Resources

Sponsor : Chinese National Committee on Irrigation and Drainage

China Irrigation and Drainage Development Centre

Wuhan University

National Center of Efficient Irrigation Engineering and Technology Research -Beijing

Publisher and editor : Editorial Department of Water Saving Irrigation

(Wuhan University, Wuhan, 430072, China)

Editor in Chief : Li Yuanhua

Distribute Scope : Worldwide

Domestic Subscription : Every Post Office in China

E-mail : jieshuiguanga@188.com

Homepage : [http:// www .irrigate .com .cn](http://www.irrigate.com.cn)