

节水灌溉



201910

中国国家灌溉排水委员会 中国灌溉排水发展中心
武汉大学 国家节水灌溉北京工程技术研究中心

主办

WATER SAVING IRRIGATION



大禹节水
DAYU WATER-SAVING

股票简称：大禹节水 股票代码：300021
国际灌排委员会（ICID）第一家中国企业成员

「物联网+云技术」 智慧化控制平台

智慧水务



大禹节水集团股份有限公司
Dayu Water-saving Group Co.,Ltd

地址：天津市武清区京滨工业园民旺路10号
电话：022-59679301
传真：022-59679307
<http://www.dyjs.com>
E-mail:dyjs@dyjs.com

ISSN 1007-4929



目次

□试验研究□

蓄水坑灌下追肥时期对果园土壤氮挥发的影响	孙瑞峰 马娟娟 郭向红 等(1)
无人机多光谱遥感监测冬小麦拔节期根域土壤含水率	杨珺博 王 斌 黄嘉亮 等(6)
无人机多光谱遥感反演冬小麦植株含水率	魏 青 张宝忠 魏 征 等(11)
“耕农抗旱宝”在青海省农业生产中的应用效果研究——以湟水河乐都为例	邢永军 王霞玲 郭凯先(15)
不同基质下番茄根区土壤水盐分布规律试验研究	王 哲 夏 辉 袁 浩 等(20)
沟灌不同灌溉定额对盐渍土水盐分布及油葵和产量的影响	斯庆高娃(26)
地下渗灌对枣树生长、产量和水分利用效率的影响	韩懂懂 孙兆军 焦炳忠 等(31)
不同补充灌溉方式对降雨利用率及马铃薯农田蒸散特征的影响	张永胜(35)
冲洪积平原土壤低吸力阶段水分特征曲线影响因素研究	秦文静 樊贵盛(38)
化学联合调控对设施番茄生长和水分利用效率的影响	金建华 周青云 王仰仁 等(43)
宁夏引黄灌区丰水年型苜蓿草田生长季地下滴灌灌溉制度研究	杜建民 王占军 俞鸿千 等(47)
节水灌溉土壤水分扩散规律与布管方式研究	巩 炎 谢兴华 邱城春(55)

□水环境与水资源□

基于博弈论的可变模糊评价模型在水质评价中的应用	徐冬梅 邵 莉 徐梦臣 等(60)
基于组合赋权模型的小洪河流域生态补偿效果评价	孟 钰 张 宽 高富豪 等(64)
不同水质评价方法在滦河下游段的比较应用	王 竹 朱士江 刘 扬 等(68)
基于长短期记忆神经网络模型的地下水水位预测研究	汪 云 杨海博 徐 建 等(73)
基于 Spearman 秩相关的再生水利用量影响因素研究	余鹏明 管孝艳 陈俊英 等(78)
再生水滴灌对番茄光合、产量及品质的影响	徐桂红 田军仓 王璐璐 等(83)
粉绿狐尾藻对氮磷的去除速率模型研究	陆庆楠 贺宇欣 李龙国 等(89)

□工程管理□

塔河流域生态水权和可转让农用水权分配的经济转型效应研究	韩桂兰 孙建光(93)
基于 LH-OAT 方法的 VG 模型参数敏感性分析	秦 萍 王 正 孙兆军 等(97)
解放闸灌域裸土期土壤盐分拟合模型研究	陈 策 邱元霖 韩 佳 等(103)
植被覆盖条件下的解放闸灌域土壤盐分卫星遥感估算模型	邱元霖 陈 策 韩 佳 等(108)

□信 息□

《节水灌溉》投稿须知	(102)
------------------	--------

Water Saving Irrigation (Monthly)

Octobe 2019

No.10(2019) , Total No.290

Contents

Effects of Topdressing Period on Ammonia Volatilization in Orchard Soil under Water Storage Pit Irrigation	SUN Rui-feng, MA Juan-juan, GUO Xiang-hong, et al.(1)
Monitoring Soil Moisture Content in Root Zone of Winter Wheat at Jointing Stage by Multispectral Remote Sensing of UAV	YANG Jun-bo, WANG Bin, HUANG Jia-liang, et al.(6)
Inversion of Water Content of Winter Wheat Plants by Multi-spectral Remote Sensing of UAV	WEI Qing, ZHANG Bao-zhong, WEI Zheng, et al.(11)
Study on the Application Effect of “Geng-nong Drought-Resistant Bao” in Agricultural Production of Qinghai Province:A Case Study of Ledu District of Huangshui River	XING Yong-jun, WANG Xia-ling, GUO Kai-xian(15)
Experimental Study on Soil Water and Salt Distribution in Tomato Root Zone under Different Substrates	WANG Zhe, XIA Hui, YUAN Hao, et al.(20)
Effects of Different Irrigation Quota on Water and Salt Distribution in Saline Soil and Oil Sunflower Yield under Furrow Irrigation	Si qing gao wa(26)
Effects of Subsurface Infiltrate Irrigation on Growth, Yield and Water Use Efficiency of Jujube	HAN Dong-dong, SUN Zhao-jun, JIAO Bing-zhong, et al.(31)
Effects of Different Supplementary Irrigation Methods on Rainfall Utilization Rate and Evapotranspiration Characteristics of Potato Fields	ZHANG Yong-sheng(35)
Study on Influencing Factors of Water Characteristic Curve of Alluvial-diluvial Plain Soil at Low Suction Stage	QIN Wen-jing, FAN Gui-sheng(38)
Effects of Combined Chemical Regulation on Growth and Water Use Efficiency of Greenhouse Tomato Plants	JIN Jian-hua, ZHOU Qing-yun, WANG Yang-ren, et al.(43)
Research on Subsurface Drip irrigation Schedule for Growth Season Alfalfa Fields in Wet Year in Ningxia Yellow River Irrigation Area	DU Jian-min, WANG Zhan-jun, YU Hong-qian, et al.(47)
A Study on The Law of Soil Water Diffusion and Pipe Distribution in Water-saving Irrigation	GONG Yan, XIE Xing-hua, QIU Cheng-chun(55)
Application of Variable Fuzzy Assessment Model Based on Game Theory in Water Quality Evaluation	XU Dong-mei, SHAO Li, XU Meng-chen, et al.(60)
Comprehensive Evaluation of Ecological Compensation Effect in Xiaohong River Basin Based on Combination Weight Model	MENG Yu, ZHANG Kuan, GAO Fu-hao, et al.(64)
Comparative Application of Different Water Quality Evaluation Methods in The Downstream Section of Luanhe River	WANG Zhu, ZHU Shi-jiang, LIU Yang, et al.(68)
Groundwater Level Prediction Based on Long-short- term Memory Neural Network Model	WANG Yun, YANG Hai-bo, XU Jian, et al.(73)
Study on Factors Affecting Reclaimed Water Utilization Based on Spearman Rank Correlation	YU Peng-ming, GUAN Xiao-yan, CHEN Jun-ying, et al.(78)
Effects of Reclaimed Water drip Irrigation on Photosynthesis Yield and Quality of Tomato	XU Gui-hong, TIAN Jun-cang, WANG Lu-lu, et al.(83)
Study on Nitrogen and Phosphorus Removal Rate Model of Green Myriophyllum Verticillatum	LU Qing-nan, HE Yu-xin, LI Long-guo, et al.(89)
Research on the Effects of Oases Economic Transformation on Allocation of Ecological Water Rights and Transferable Agricultural Water Right in Tarim River Basin	HAN Gui-lan, SUN Jian-guang(93)
Sensitivity Analysis of VG Model Parameter Based on LH-OAT Method	QIN Ping, WANG Zheng, SUN Zhao-jun, et al.(97)
Study on Fitting Model of Soil Salt in Bare Soil Period of Jiefangzha Irrigation Area	CHEN Ce, QIU Yuan-ling, HAN Jia, et al.(103)
Satellite Remote Sensing Estimation Model of Soil Salinity in Jiefangzha Irrigation under Vegetation Coverage	QIU Yuan-lin, CHEN Ce, HAN Jia, et al.(108)

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)

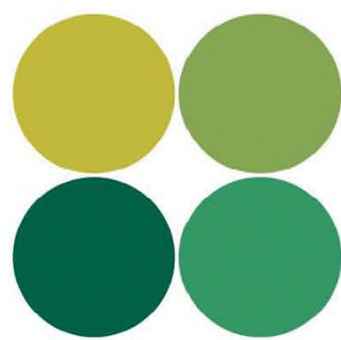
Editor in Chief: Cui Yuanlai **Distribute Scope:** Worldwide

Domestic Subscription: Every Post Office in China

E-mail: jieshuiguangai@188.com

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

专业必用 真的UMC



UMC

5年质保, 源于用心品质。



齿轮箱



电机



联轴器



扫一扫
即刻加入
UMC

UMC中国销售以及服务
电话: 010-64820076 | chinasales@umcproducts.cn

最终解释权归UMC所有

刊号
万方数据

ISSN1007-4929
CN42-1420/TV

国外代号: M3153 邮发代号: 38-17 订购处: 全国各地邮局 定价: 10.00元/册