

ISSN 1007-4929

A standard linear barcode is positioned vertically. It consists of vertical black bars of varying widths on a white background. To the right of the barcode, the number "06>" is printed.

9 771007 492082

万方数据

节 水 灌 溉

2021年第6期 总第310期

目 次

犁底层容重对微咸水膜下滴灌土壤水盐运移分布的影响	胡文同 栗现文 江思珉(1)
生育期干旱-复水对夏玉米生化指标的影响	赵 龙 蔡焕杰 曹玉鑫(9)
气候变化下新疆棉花调亏灌溉的节水效果评估	王灵猛 周泽羽 刘 健 等(17)
基于SUFI-2参数最适置信区间的参数优化方法结果对比分析	陈海涛 曹向真(24)
广西喀斯特地区耕作对土壤水分及降雨响应机制的影响	李 帅 邓婉珍 李 健 等(31)
不同滴灌施氮模式对甜糯玉米碳利用的影响	程 浩 傅丰贝 李伏生(37)
苹果幼树生理指标对土壤水分调控的响应研究	郭 华 秦 聪 石美娟 等(43)
黑龙江省不同规模与水源类型典型样点灌区用水评价	孙雪梅 李梦玲 谢世尧 等(48)
黄河流域农业节水绿色信用体系研究	谷红梅 张培雯 来和鑫 等(53)
秦菜盆地地下水傍河水源地准保护区形态研究	杨海博 朱文峰 徐 建 等(58)
限额补灌对黄淮平原夏玉米水分利用及产量的影响	邱新强 张明智 张玉顺 等(64)
基于和谐目标优化的区域水权分配研究	张 丹 张翔宇 刘姝芳 等(69)
河北省农业水资源利用效率时空分异特征及影响因素研究	杜 书 梁彦庆 张 梦 等(74)
农业发展对东北地区参考作物蒸散发量变化趋势的影响	李玖颖 陈皓锐 韩松俊(81)
灌区农业平衡水价理论及实证分析	孔 强 谢晓彤(87)
灌溉杀菌用旋涡螺旋式臭氧混合泵装置	张爱习 赵丽茶 张彦奇 等(93)
□信 息□	
欢迎订阅《节水灌溉》杂志	(86)

Water Saving Irrigation

(Monthly)

June 2021

No.6(2021), Total No.310

Contents

Effect of Bulk Density of Plow Pan on Soil Water and Salt Transport and Distribution Under Mulched Drip Irrigation with Brackish Water	HU Wen-tong, LI Xian-wen, JIANG Si-min(1)
Effect of Drought Stress and Re-watering on Biochemical Indexes of Summer Maize During Growth Period	ZHAO Long, CAI Huan-jie, CAO Yu-xin(9)
Evaluation of Water-saving Effect of Cotton Regulated Deficit Irrigation Under Climate Change in Xinjiang	WANG Ling-meng, ZHOU Ze-yu, LIU Jian, et al.(17)
Comparative Analysis of the Results of Parameter Optimization Methods Based on the Optimal Confidence Interval of SUFI-2 Parameters	CHEN Hai-tao, CAO Xiang-zhen(24)
Effect of Tillage on Soil Moisture and Rainfall Response Mechanism in Karst Areas of Guangxi	LI Shuai, DENG Wang-zhen, LI Jian, et al.(31)
Effects of Different Drip Irrigation and Nitrogen Application Modes on Water and Carbon Utilization of Sweet Waxy Corn	CHENG Hao, FU Feng-bei, LI Fu-sheng(37)
Response of Physiological Indexes of Young Apple Trees to Soil Moisture Regulation	GUO Hua, QIN Cong, SHI Mei-juan, et al.(43)
Water Use Evaluation of Typical Irrigation District with Different Scale and Water Source Types in Heilongjiang Province	SUN Xue-mei, LI Meng-ling, XIE Shi-yao, et al.(48)
Study on Green Credit System of Agricultural Water Saving in Yellow River Basin	GU Hong-mei, ZHANG Pei-wen, LAI He-xin, et al.(53)
Study on the Quasi-protected Zone Morphology of Groundwater Sources Near Rivers Division in the Tailai Basin	YANG Hai-bo, ZHU Wen-feng, XU Jian, et al.(58)
Effects of Low Quotas Irrigation on Water use and Yield of Summer Maize in Huanghuai Plain	QIU Xin-qiang, ZHANG Ming-zhi, ZHANG Yu-shun, et al.(64)
Regional Water Rights Allocation Based on Harmonious Objectives Optimization	ZHANG Dan, ZHANG Xiang-yu, LIU Shu-fang, et al.(69)
A Study on Spatio-temporal Differentiation Characteristic and Influencing Factors of Agricultural Water Resource Utilization Efficiency in Hebei Province	DU Shu, LIANG Yan-qing, ZHANG Meng, et al.(74)
Effects of Agricultural Development on the Trends in Reference Evapotranspiration over Northeast China	LI Jiu-ying, CHEN Hao-rui, HAN Song-jun(81)
Theory and Empirical Analysis of Agricultural Equilibrium Water Price in Irrigation District	KONG Qiang, XIE Xiao-tong(87)
A Vortex Spiral Ozone Mixing Pump for Irrigation Sterilization	ZHANG Ai-xi, ZHAO Li-cha, ZHANG Yan-qi, et al.(93)

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:// jsgu.cbpt.cnki.net](http://jsgu.cbpt.cnki.net)
