

寒旱农业科学

HANHAN NONGYE KEXUE

第4卷 第3期

目 次

专题论述

苹果园重茬障碍防治研究进展

- 尹晓宁, 刘芬, 马明, 王文丽, 牛军强, 董铁, 孙文泰, 杨泽华(197)
玉米单倍体育种技术的实践探索与成效 王长魁, 李志荣(210)
数字农业技术在马铃薯产业中的实践探索 陈小花, 赵维涛, 李继明, 姚乔花, 赵永萍(215)
大球盖菇生物学特性与栽培条件研究综述 孙颤宸, 杨宪忠, 薛毅, 严宗山, 王育才, 栾倩倩(220)

遗传育种

- 11份叶用莴苣种质资源表型性状多样性分析 王文珠, 刘明霞, 侯栋, 李军红, 罗涛(226)
庄浪县高标准农田冬小麦品种比试验 苏永红(233)
靖远县日光温室辣椒新品种引进筛选试验研究
李秀芬, 张建金, 侯栋, 张东琴, 李亚莉, 岳宏忠, 陈玉强(239)

旱地农业/节水农业

- 旱作区立式深旋耕作下马铃薯产量及水分利用效率对垄沟比变化的响应
尹嘉德, 侯慧芝, 方彦杰, 马明生, 柳燕兰, 雷康宁(244)
西北干旱半干旱区豌豆种质资源农艺性状的遗传多样性分析
白琳, 肖贵, 曹宁, 墨金萍, 连荣芳(250)

耕作栽培/生理生化

47个梨树品种生长特性及圆柱形树形培养分析与评价

- 王鑫, 赵连鑫, 郭艳兰, 张勤德, 李栋, 杨作奎, 牟德生(259)
不同处理下元帅系苹果果实香气差异分析 李帼英, 王花, 赵新红, 赵娜(266)

土壤肥料

- 生物炭基肥对马铃薯产量和品质的影响 赵欣楠, 杨君林, 谢丽华, 张旭临, 冯守疆(272)
宁夏中部干旱带马铃薯镁锌锰肥料应用效果分析 朱勇臣, 慕瑞瑞, 翟雪宁(278)

新品种新技术

旱作马铃薯复合式耕作栽培技术规程

- 方彦杰, 罗峰, 刘培旺, 董博, 朱永永, 韩微仁, 谭伟军(283)
兰州新区灌区粮饲兼用玉米优质高产栽培技术
薛莲, 谢成俊, 张芮, 薛亮, 张鹏, 闫宗芳, 陈延明(287)
黄河灌区半夏玉米间作生产技术规程 陈文庆, 魏莉霞, 张东佳, 李玉萍(291)

刊名题写: 李振声 院士

期刊基本参数: CN 62-1223/S * 2025 * m * A4 * 100 * zh * P * ¥ 8.00 * 1200 * 16 * 2025-3 * n

Journal of Cold-Arid Agricultural Sciences

Vol. 4 No. 3

CONTENTS

Review

Research Progress on the Prevention and Control of Replant Disease in Apple Orchards	YIN Xiaoning et al(197)
Practical Exploration and Achievements of Maize Haploid Breeding Technology	WANG Changkui et al(210)
Practical Exploration of Digital Agriculture Technology in the Potato Industry.....	CHEN Xiaohua et al(215)
Review on the Biological Characteristics and Cultivation Conditions of <i>Stropharia rugosoannulata</i>	SUN Haochen et al(220)

Genetics and Breeding

Preliminary Analysis on the Diversity of Phenotypic Traits of 11 Leaf Lettuce Germplasms.....	WANG Wenzhu et al(226)
Variety Comparison Experiment of Winter Wheat in High-standard Farmlands in Zhuanglang County	SU Yonghong(233)
Research on the Introduction and Screening of New Pepper Varieties in Solar Greenhouses of Jingyuan County ...	LI Xiufen et al(239)

Dryland Agriculture/Water-saving Agriculture

Responses of Water Utilization Efficiency and Yield of Potatoes to Ridge-furrow Ratio Variation under Vertically Rotary Sub-soiling Tillage in Dryland Areas	YIN Jiade et al(244)
Genetic Diversity Analysis of Agronomic Traits in Pea Germplasm Resources in the Arid and Semi-arid Regions of Northwest China	BAI Lin et al(250)

Tillage and Cultivation/Physiology and Biochemistry

Analysis and Evaluation of Growth Characteristics and Cylindrical Tree Culture of 47 Pear Varieties	WANG Xin et al(259)
Analysis of Aroma Differences in the Delicious Strain Apple Fruits under Different Treatments	LI Guoying et al(266)

Soil and Fertilizer

Effects of Biochar-based Fertilizer on Potato Yield and Quality	ZHAO Xinnan et al(272)
Analysis of the Application Effects of Magnesium, Zinc and Manganese Fertilizers on Potatoes in the Middle Arid Zone of Ningxia	ZHU Yongchen et al(278)

New Varietiy and New Technology

Technical Regulation for Compound Tillage of Potatoes in Drylands	FANG Yanjie et al(283)
High-yield and Quality Cultivation Techniques for Dual-purpose Grain and Forage Maize in the Irrigated Areas of Lanzhou New District	XUE Lian et al(287)
Technical Regulation for <i>Pinellia ternata</i> and Corn Intercropping in Irrigated Areas along the Yellow River	CHEN Wenqing et al(291)