

原书缺封面

农业工程

NONGYE GONGCHENG

2014年 第3期(第4卷)

目次

• 卷首语 •

农田污染亟待治理 王艳红 (前插10)

• 装备与机械化 •

新疆农业机械化发展水平评价体系 杨春雷 杨宛章 (1)

从2013年《农业机械学报》载文看农机科研发展 徐瑞清 胡桂兰 杨文丽 等 (6)

残膜机械化回收技术 高团结 马俊贵 坎杂 (10)

农机液压系污染度的合理控制 张永建 (14)

甘肃省保护性耕作模式及机具推广 黄涛 盛国成 (17)

液压提升器油缸拉缸原因及控制措施 张秀红 李凤娥 苏海龙 (19)

• 管理工程 •

新疆生产建设兵团机构编制管理法制化的主要途径和措施 耿钰峰 祖力菲亚 (21)

• 信息与电气化 •

食用菌生长智能控制研究现状及发展趋势 朱凤武 岳仕达 (24)

基于Web的水产养殖环境监控物联网系统 华芳芳 张伟 江莹旭 等 (27)

新农村背景下农业技术传播中的受众反馈机制 何璐 高珍冉 狄光智 等 (31)

基于虚拟仪器的应变测试静态标定系统 冯华 郑德聪 (34)

基于Web-MIS松耦合系统的林业调查信息共享平台设计 黄佳燕 (38)

• 生物环境与能源 •

绿色湖南与农田生态环境保护政策 肖敏 徐慧娟 汪琴 等 (41)

模辊式颗粒机在生物质燃料生产领域中的应用比较 罗斌 罗东飏 王进红 等 (44)

马铃薯生产燃料乙醇发展现状 常圣 王艳红 贾晶霞 等 (47)

新疆挤奶厅结构布局原则 郝麟 马俊贵 许庆军 (50)

• 农副产品加工与贮藏 •

贵州省凤冈县茶产业发展现状及对策 方英艺 杨军 (53)

• 食品科学与工程 •

食用天然香料的应用及研究进展 李春艳 冯爱国 (55)

氯化铁含量测定不确定度评定 陈羽菲 (58)

调味料生产线中粉碎系统改造设计 叶青松 刘毅君 (61)

• 水土工程 •

基于高分辨率遥感影像的灌排沟渠提取方法 顾振伟 张超 杨建宇 等 (64)

我国节水灌溉标准体系概述 贺城 廖娜 (68)

北京市域水资源格局异动及趋势 李婵娟 高秀清 焦有权 (73)

黑龙江省克山县地下水循环及动态分析 董超 李莹 (77)

混凝土渠道施工中常见问题及处理 高万晓 (80)

小型农田水利工程建设管理及改进措施	夏宝妮 (82)
农田水利工程建设与管理措施	孙阿妮 (84)

• 土地资源管理 •

遥感和 GIS 技术在耕地质量调查中的应用	李 瑜 刁淑娟 邢 宇 (86)
重庆市铜梁县粮食生产及耕地压力变化	辜李仁 陈桂斌 刘 娜 (89)
重庆市水利工程用地时空变化	陈 鑫 戴贻媛 葛 霖 (94)

• 设计制造及理论研究 •

新型葡萄埋藤机设计	尤 军 胡 洁 郭 辉 等 (100)
基于扩展 Kalman 滤波技术汽车状态参数的软测量	李 勇 杜 峰 邢清奇 等 (104)
气吸式红枣捡拾机设计与试验	史高昆 马少辉 (109)
苜蓿压扁收割机拨禾轮设计	代其春 裴新民 宋从文 等 (113)
天拖新工厂一期工程设计纲领	杜学祥 (118)
大功率轮式拖拉机辅助燃油系统设计	王 炜 王 琳 刘 超 (122)
玉米种子加工厂设备匹配计算	吴 涛 (125)

• 教学研究 •

PBL 教学模式在《食品安全与检测技术》课程中的研究与实践	张红波 尹国友 孙 婕 等 (127)
校企合作促进机电专业学生就业研究	张 敬 乔晓光 马峰柏 (129)
农机成人教育现状及发展思路	王永清 (131)
大学生安全教育现状及对策	战 鹰 (133)
农业机械专业“3+3”教学模式探索与实践	张晓龙 孙 鹏 张庆丰 (135)
大学生安全教育途径与措施	马 丽 周 艳 (137)

• 农学与生物技术 •

加工番茄生长、NPK 营养及产量对磁化水滴灌的响应	张凤娟 胡艳飞 张瑞喜 等 (140)
水稻穗期叶蝉发生情况与药剂防治试验	冯成玉 陆晓峰 (145)
玉米高光效休耕轮作技术与现代农业发展	郝宇佳 张含思 张 磊 等 (147)
水稻高产种植技术	喻兰新 李玉欣 袁晓伟 (149)

• 农业经济管理 •

委托代理博弈与支农资金监管	龙 菊 (151)
北京休闲农业文化的资源类型及开发	赵艳粉 李 华 (154)
粮食总产量变化影响因素的灰色关联分析	孙曦恋 郑文钟 (159)
林地规模经营模式案例分析	李朝柱 (163)
盘县“贵州黑山羊”养殖情况调查	陈历俊 (167)

• 国外研究 •

不同含水量下工具材料切向土壤黏附特性 (摘选)	Zhang Jinzheng Wang Xiulun Koji Kito 等 (169)
Valpadana 公司 6600 系列新型前后轮等直径拖拉机	吴清分 (172)

• 创新技术 •

2013 德国汉诺威国际农业机械展览会技术创新奖 (2)	武聪颖 (前插 4)
------------------------------------	------------

• 行业动态 •

国际农业与生物系统工程学会第 18 届世界大会将于 2014 年 9 月 16—19 日在北京召开	GIGR 第 18 届世界大会秘书处 (176)
发现科技创新 关注畜牧业发展	李金鑫 (179)
“2014 中国科学仪器发展年会”在京召开	仪器信息网 (180)

AGRICULTURAL ENGINEERING

Vol. 4 No. 3 2014

Contents

Equipment and Mechanization

- Evaluation System of Agricultural Mechanization Levels in Xinjiang Yang Chunlei et al (1)
- Research and Development of Agricultural Machinery from Published Papers of
'Transactions of the Chinese Society of Agricultural Machinery' in 2013 Xu Ruiqing et al (6)
- Mechanical Recovery Technology of Residual Film Gao Tuanjie et al (10)
- Reasonable Control of Pollution Degree for Agricultural Machinery Hydraulic System Zhang Yongjian (14)
- Conservation Tillage Mode and Implement Promotion of Gansu Province Huang Tao et al (17)
- Cylinder Reason and Control Measures of Hydraulic Lifter Hydro-cylinder Zhang Xiuhong et al (19)

Management Engineering

- Main Ways and Measures to Strengthen Staffing Administration Legalization of
Xinjiang Production and Construction Corps Geng Yufeng et al (21)

Information and Electrification

- Research Status Quo and Future Perspective of Intelligent Control for
Edible Fungus Growth Zhu Fengwu et al (24)
- IOT Surveillance System of Standard Environment of Aquaculture Based on Web Hua Fangfang et al (27)
- Feedback Mechanism of Receptors in Agricultural Technology Transmission under
Background of New Socialist Countryside He Lu et al (31)
- Static Calibration System for Strain Testing Based on Virtual Instrument Feng Hua et al (34)
- Design of Sharing Platform of Forestry Inventory Information Based on
Web- MIS Loose Coupling System Huang Jiayan (38)

Biological Environment and Energy

- Policy on Green Hunan and Farmland Ecological Protection Xiao Min et al (41)
- Application Comparison of Die Roller Pellet Machine in Biomass Fuel Production Luo Bin et al (44)
- Development Situation about Potato Fuel Ethylalcohol Chang Sheng et al (47)
- Structure and Layout Principle of Milking Parlour in Xinjiang Hao Lin et al (50)

Processing and Storage of Farm and Sideline Products

- Development Status Quo and Countermeasures of Tea Industry in
Fenggang County of Guizhou Province Fang Yingyi et al (53)

Food Science and Engineering

- Research Progress and Application of Edible Natural Spices Li Chunyan et al (55)
- Uncertainty Evaluation of Measurement on Ferric Chloride Content Chen Yufei (58)
- Reformation Design of Seasoning Production Line Crushing System Ye Qingsong et al (61)

Water-soil Engineering

- Method of Extracting Irrigation and Drainage Ditches Based on
High Remote Sensing Image Gu Zhenwei et al (64)
- Overview of Water-saving Irrigation Standards System in China He Cheng et al (68)
- Water Resources Movement Pattern and Trend of Beijing Li Chanjuan et al (73)
- Groundwater Circulation and Dynamic Analysis in Keshan County of
Heilongjiang Province Dong Chao et al (77)
- Common Problems and Treatment on Construction of Concrete Channel Gao Wanxiao (80)

Management and Improvement Measures for Construction of Rural Small Irrigation and Water Conservancy Projects	Xia Baoni (82)
Measures and Management of Farmland Water Conservancy Construction	Sun A'ni (84)

Land Resource Management

Application of Remote Sensing and GIS on Cultivated Land Quality Investigation	Li Yu et al (86)
Changes of Cultivate Land Pressure and Grain Product in Tongliang County of Chongqing ...	Gu Liren et al (89)
Temporal-spatial Changes of Water Conservancy Project Land in Chongqing	Chen Xin et al (94)

Design, Manufacture and Theoretical Research

Design on a New Type of Grape Vine Burying Machine	You Jun et al (100)
Soft-measurement for Vehicle State Parameters Based on Extended Kalman Filtering Technology	Li Yong et al (104)
Design and Experiment of Air-suction Red Dates Picking Machinery	Shi Gaokun et al (109)
Design on Dial Reel of Alfalfa Flattening Harvester	Dai Qichun et al (113)
Design Program on First-stage Project for New Factory of Tianjin Tractor Manufacturing Corporation Ltd.	Du Xuexiang (118)
Design of Auxiliary Fuel System for High Power Wheeled Tractor	Wang Wei et al (122)
Matching Calculation of Factory Equipment of Corn Seed	Wu Tao (125)

Research on Teaching

Research and Practice of PBL Teaching Mode in Course of 'Food Safety and Inspection Technology'	Zhang Hongbo et al (127)
Research of School Enterprise Cooperation to Promote Mechanical and Electrical Engineering Student Employment	Zhang Jing et al (129)
Status Quo and Development of Agricultural Mechanization Adult Education	Wang Yongqing (131)
Present Situation and Countermeasures of Safety Education for College Students	Zhan Ying (133)
Exploration and Practice on "3 + 3" Teaching Pattern of Agricultural Machinery Professional	Zhang Xiaolong et al (135)
Paths and Measures of Safety Education for College Students	Ma Li et al (137)

Agronomy and Biotechnology

Response of Processing Tomato Growth, NPK Nutrition and Yield to Magnetized Water in Drip Irrigation System	Zhang Fengjuan et al (140)
Occurrence and Control Test of Pesticide on Rice Leafhopper in Rice Heading Stage	Feng Chengyu et al (145)
Technology of High Light Efficiency Fallow Rotation Corn and Modern Agricultural Development	Hao Yujia et al (147)
Planting Technique for High Yield of Rice	Yu Lanxin et al (149)

Management of Agricultural Economy

Principal-agent Game and Supervision of Fiscal Fund for Assisting Agriculture	Long Ju (151)
Resource Types and Development of Leisure Agriculture in Beijing	Zhao Yanfen et al (154)
Grey Correlation Analysis of Total Grain Output Influencing Factors in Zhejiang Province	Sun Xilian et al (159)
Case Analysis of Land Scale Management Pattern	Li Chaozhu (163)
Investigation on Breeding Situation of 'Guizhou Black Goat' in Pan County	Chen Lijun (167)

Foreign Research

Characteristics of Tangential Soil Adhesion to Tool Material at Different Moisture Contents (Extracts)	Jinzheng Zhang et al (169)
6600 Series New Tractors of Front and Rear Wheel Equal Diameter of Valpadana Company	Wu Qingfen (172)

原书缺封底