



农业科技与装备

NONGYE KEJI YU ZHUANGBEI

2015 年第 10 期
(总第 256 期)
10 月 20 日出版
月刊
(1979 年 4 月创刊)

主管单位 辽宁省农村经济委员会
主办单位 辽宁省农业机械化研究所
出版发行 农业科技与装备杂志社
印刷单位 沈阳市东实印刷厂
主 编 高希君
责 编 刘 欣 王 帅
地 址 沈阳市东陵路 90 号
邮政编码 110161
电 话 024-88416286(传真)
电子邮箱 lnnj3@sohu.com
nykjyzb@163.com
网 址 <http://www.lnsnjs.com.cn>
国内统一出版物号 CN 21-1559/S
国际标准连续出版物号 ISSN 1674-1161
发行范围 国内公开发行
订 阅 全国各地邮局
邮发代号 8-211
每期定价 15.00 元

如需转载本刊文章及图片, 请注明摘自《农业科技与装备》杂志, 并寄样刊。

中国核心期刊(遴选)数据库全文收录期刊
中国学术期刊综合评价数据库统计源期刊

目 次

品种与栽培

宽甸县玉米密植高产新品种试验研究 刘英杰(01)

土肥与环境

大清河上中游山区河道生态治理研究 李忠全(03)

翅碱蓬应用于生态修复的研究进展 王金爽(05)

林学与植保

木兰属树种的形态观察研究 吴林勇(08)

农业工程

小型绿叶类蔬菜收获机的收获方案及切割装置设计
..... 张瑞华, 施俊侠, 张日红, 梁 坚, 胡杰文(11)

基于 Solid Works 的水果自动削皮机创新设计
..... 邓乐阳, 张 静, 张兵兵, 龚晓峰, 袁 磊(14)

秸秆还田机碎茬部件的优化设计 王 伟, 秦永辉(17)

车床动力输入轴辅助安装支架的设计
..... 雷福祥, 许晓东, 杨经平, 涂鹏飞, 王 杰(20)

3MT-5 型葡萄埋藤机的设计 刘仁广, 高希君(23)

基于 D-H 法的挤奶机器人机械臂运动学分析
..... 刘俊杰, 杨圣虎, 蔡晓华, 吴泽全(25)

基于数控加工的渐开线齿轮柔性制造技术研究 蒋灯财(29)

北斗农机自动导航系统的设计与应用 杨 方, 刘 华, 樊禹铭(31)

智能电网调度自动化基本问题分析 王青山, 李晶晶(35)

畜牧业废水水解酸化工艺的改进研究 赵晓光, 兴 岩(37)

大豆纳豆芽孢杆菌分离纯化及培养条件优化研究
..... 满朝坤, 张一凡, 赵闪闪, 高育哲, 李苏红, 闫钟燮(39)

黄芪甲苷提取与纯化工艺研究进展 田 洋(42)

欢 迎 订 阅

中国学术期刊(光盘版)全文收录期刊
中文科技期刊数据库全文收录期刊

MU CI

山药多糖提取与纯化工艺研究进展 杨 柳(44)

技术 推 广

秸秆还田联合整地机械化技术研究 孙 杰(47)

深松整地机械化作业技术要领 吕 斌(49)

辽宁省深松作业模式应用研究 范玉萍(52)

花生膜下滴灌节水栽培技术 李泽锋(54)

高位自流滴灌技术在果树灌溉中的应用 高占文,潘艳丽(57)

绥中县高效节水灌溉工程建设与发展研究 常玉强(59)

电子信息技术在现代农业领域的应用研究 班 瑞(61)

蓝莓深加工技术研究进展 叶春苗(63)

基于环境保护的农业温室气体减排途径分析 井 辉(65)

论 坛 交 流

凤城市特种玉米产业发展分析与技术研究 贾 颖(67)

凤城市软枣猕猴桃资源现状分析与发展对策 王显军(70)

营口地区农机维修业发展探讨 王 宽(72)

锦州市农机维修服务体系研究 王 庚(74)

新型农机社会化服务体系建设问题研究 邹春秀(76)

辽宁省农机购置补贴发展探讨 王 萍(79)

辽宁省农产品质量安全研究工作 智红涛(81)

加强辽宁省农产品质量安全检验检测体系项目建设管理的建议
..... 廉 杨(85)

大件物流陆运环节规划方案研究 宋谋超(88)

促进霍城县农产品加工企业发展的财政政策执行研究
..... 王 楠,刘向晖,苏丽丽,李开心(90)

AGRICULTURAL SCIENCE & TECHNOLOGY AND EQUIPMENT

NO.10,2015
(Total NO.256)
October 20
Monthly
(Started in April 1979)

Administered by

Liaoning Province Rural Economy
Committee

Sponsored by

Liaoning Province Agricultural
Mechanization Institute

Published and Distributed by

Journal of Agricultural S&T and
Equipment

Printed by

Shenyang DongShi Printing House

Editor in Chief

GAO Xijun

Executive Editor

LIU Xin,WANG Shuai

Address

No.90,Dongling Road,Shenyang 110161

Telephone(Fax)

024-88416286

E-mail

lnnj3@sohu.com

nykjybz@163.com

http://www.lnsnjs.com.cn

CN 21-1559/S

ISSN 1674-1161

For reproduction of any articles and pictures
from AGRICULTURAL SCIENCE&TECHNOLO-
GY AND EQUIPMENT, please indicate the
source and send us a sample book.

欢 迎 赐 稿



Contents

Variety and Cultivation

Study of Maize New Variety Test of Compact Planting with High Yield in Kuandian County *LIU Yingjie*(01)

Soil-fertilizer and Environment

Research on Waterway Ecological Management of Upstream and Midstream of Daqinghe River in Mountain Area ... *LI Zhongquan*(03)

Research Progress of Suaeda Heteroptera Applying on Ecological Restoration *WANG Jinshuang*(05)

Forestry and Plant Protection

Research on Morphology Observation of Magnolia Genus Tree Species *WU Linyong*(08)

Agricultural Engineering

Harvest Scheme and Cutter Design of Small Green Leafy Vegetables Harvester

..... *ZHANG Ruihua, SHI Junxia, ZHANG Rihong, LIANG Jian, HU Jiewen*(11)

Innovative Design of Automatic Fruit Peeler based on Solid Works

..... *DENG Leyang, ZHANG Jing, ZHANG Bingbing, GONG Xiaofeng, YUAN Lei*(14)

Optimization Design of Crushing Stubble Component of Stalk Returning to Field Machine *WANG Wei, QIN Yonghui*(17)

Design of Power Input Shaft Auxiliary Mounting Bracket of Lathe

..... *LEI Fuxiang, XU Xiaodong, YANG Jingping, TU Pengfei, WANG Jie*(20)

Design of Type 3MT-5 Machine for Burying Grape Vines *LIU Renguang, GAO Xijun*(23)

Analysis on Kinematics of Milking Robot Mechanical Arm based on D-H Method

..... *LIU Junjie, YANG Shenghu, CAI Xiaohua, WU Zequan*(25)

Research on Flexibility Manufacturing Technology of Involute Gear based on CNC *JIANG Dengcai*(29)

Design of Beidou Agricultural Machinery Automatic Navigation System and Its Application

..... *YANG Fang, LIU Hua, FAN Yuming*(31)

Basic Problems Analysis of Smart Grid Dispatching Automation *WANG Qingshan, LI Jingjing*(35)

Research on the Improvement of Waste Water Hydrolysis Acidification Technique of Animal Husbandry

..... *ZHAO Xiaoguang, XING Yan*(37)

Research on Separation and Purification of Soybean Bacillus Natto and Its Cultivated Conditions Optimization

..... *MAN Chaokun, ZHANG Yifan, ZHAO Shanshan, GAO Yuzhe, LI Suhong, MIN Zhongman*(39)

Research Progress on Extraction and Purification Technology of Astragaloside IV *TIAN Yang*(42)

Research Progress on Extraction and Purification Technology of Chinese Yam Polysaccharides *YANG Liu*(44)

Technology Extension

Research on the Technique of Combined Soil Preparation Mechanization for Stalk Returning to Field *SUN Jie*(47)

Technique Key Points of Deep Tillage Land Preparation Mechanization Operation *LÜ Bin*(49)

Research of Deep Tillage Operation Mode Application in Liaoning Province *FAN Yuping*(52)

Technique of Under Film Drip Irrigation for Peanut Cultivation *LI Zefeng*(54)

Application of High Stand Automatic Drip Irrigation Technique to Fruit Tree Irrigation *GAO Zhanwen, PAN Yanli*(57)

Research on Construction and Development of High Efficiency Water Saving Irrigation Project in Suizhong County

..... *CHANG Yuqiang*(59)

Research on the Application of Electronic Information Technology on Modern Agricultural Field *BAN Rui*(61)

Progress of Blueberry Deep Processing Technique Research *YE Chunmiao*(63)

Analysis on Ways of Agricultural Greenhouse Gas Emission Reduction based on Environmental Protection *JING Hui*(65)

Forum and Communication

Analysis and Technical Research on the Development of Special Corn Industry in Fengcheng City *JIA Ying*(67)

Analysis of Soft Dates Kiwi Resource and Its Development Countermeasures in Fengcheng City *WANG Xianjun*(70)

Discussion on the Development of Agricultural Machinery Maintenance Industry in Yingkou Area *WANG Kuan*(72)

Research on the Construction of Agricultural Machinery Appointed Maintenance Service System in Jinzhou City *WANG Geng*(74)

Research on Service System Construction of New Type Agriculture Machinery Socialization *ZOU Chunxiu*(76)

Discussion on the Development of Agricultural Machinery Purchasing Subsidy in Liaoning Province *WANG Ping*(79)

Research of Security Working of Agricultural Product Quality in Liaoning Province *ZHI Hongtao*(81)

Suggestions of Strengthening Security Detection System Development of Agricultural Products Quality in Liaoning Province

..... *LIAN Yang*(85)

Research on Plan of Bulky Logistics Land Transportation *SONG Mouchao*(88)

Research of Financial Policy Implementation for Promoting the Development of Agricultural Product Processing Enterprise in

Huocheng County *WANG Nan, LIU Xianghui, SU Lili, LI Kaixin*(90)