



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
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

ISSN 1674-1161
CN 21-1559/S

农业科技与装备

AGRICULTURAL SCIENCE&TECHNOLOGY AND EQUIPMENT

2013年第4期

nongye keji yu zhuangbei



ISSN 1674-1161



04>

9 771674 116083

万方数据

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
协办单位: 辽宁省农机学会 辽宁省农学会
辽宁省农业工程学会



农业科技与装备

NONGYE KEJI YU ZHUANGBEI

2013 年第 4 期
(总第 226 期)
4 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
nykjyztb@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

声 明 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

- 对辽宁种子产业发展的思考 杨晓东(01)
辽宁地区花生高产栽培技术研究 王铁生(03)
栽培措施对三色堇花期的影响 栾 艳(05)
稻米品质遗传及分子标记辅助育种 沈新忠(07)

土肥与环境

- 施用硅酸盐和生物炭对土壤铅形态与含量的影响 王 鹤(10)
辽宁省畜禽粪便有机肥资源利用中的问题及对策 李 晗(13)
辽河三角洲芦苇湿地土壤改良措施探讨 王金爽(15)
对非法占用农用地罪中破坏耕地程度的探讨 安海蛟(17)

林学与植保

- 辽宁省粘虫发生与防控研究 曲昌明(19)
细菌素的发现、分类及在生物防治中的应用 白子金(21)
蔬菜农药残留现场速测方法研究 高 岐(23)
荧光法与紫外法检测水产品中磺胺类药物的比较研究
..... 曲 娜, 马文菊(25)

农业工程

- 承受竖向荷载的框架结构模型设计
..... 孙长青, 张 凯, 肖 楠, 刘劲涛(27)
1MC-1200 型两行灭茬机的设计研究 包锡波(29)
燃油加油机计量检定研究 梁立超, 赵东翔, 丙孟芬, 于良宝(31)
潮间带贝类耐磨性能研究与分析 崔跃峰, 闫 涛, 刘文杰(33)
马铃薯残地膜回收装置的研制 王福义(35)
现代物理农业集成技术体系及生产模式探讨 韩志斌(37)
安全仪表控制系统在大型化工厂中的应用与发展 杨宝田(39)
水库生态调度模式研究 牛金洲(41)
浑南新城白塔河支流改线规划设计 付 琳(43)

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

我国水资源现状与节水农业发展探讨 刘顺国(45)

大伙房水库水体富营养化防治对策

..... 陈发先,强丽峰,肖启栋,刘 涛,李春阳,纪 伟(47)

“沙律百花酿香芋”菜肴的工艺优化及营养评价 刘显波,樊祥富(49)

技术推广

辽宁省粮油作物地膜覆盖技术推广应用研究 孙延红(51)

水稻机械化新技术在丹东地区的应用 宫云涛(53)

盘锦地区水稻插秧机用育苗技术要点 崔世勇(55)

我国设施农业发展现状与对策分析 刘 蕾(57)

设施蔬菜提早栽培对蔬菜品种及技术模式的优化选择 闫书杰(59)

彰武县保护性耕作推广成效与经验探讨 周士丽(61)

玉米种子纯度鉴定方法比较 解明伟(63)

论坛交流

农业机械化在农业产业结构调整中的应用及作用 于 妍(65)

论农业机械化与土地规模化 王 萍(67)

朝阳丘陵山区农业机械化发展研究 马国权(69)

农机生产企业质量管理探析 秦永辉,段洪军(71)

辽宁省农业机械化信息网络建设研究 曲文涛(73)

辽宁省农业机械化发展探讨 廉 杨,蒋 欢(75)

做好新形势下公益性农业技术服务的思考 王 晖(77)

我国种业发展现状及趋势分析 施 骥,刘延斌(79)

辽阳市农机专业合作社发展经验探讨 王殿友(81)

解决国内外价差导致我国粮食进口激增的对策 赵永红(83)

农机实用技术培训工作思路探讨 赵林生,徐大志(85)

辽宁省农民职业教育培训问题研究 薛 静(87)

多媒体在农机教学实践中的使用误区 简 萍(89)

电工电子理实一体化实验室的构建 李延琴(91)

AGRICULTURAL SCIENCE & TECHNOLOGY AND EQUIPMENT

NO.4,2013
(Total NO.226)

April 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

nykjyzb@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

- Reflections on the Development of Liaoning Seed Industry YANG Xiaodong(01)
Study on High-yield Cultivation Techniques of Peanut in Liaoning Area WANG Tiesheng(03)
Effect of Cultivation Measures on Pansy Flower LUAN Yan(05)
Rice Quality Genetic and Molecular Marker Assisted Breeding SHEN Xinzhong(07)

Soil-fertilizer and Environment

- Effects of Applying Silicate and Biochar on the Changes of Soil Plumbum Morphology WANG He(10)
Utilization of Organic Fertilizer Resources of Poultry and Animal Feces in Liaoning LI Han(13)
Discussion on Measures to Improve Wetland Soil at the Liaoh River Delta WANG Jinshuang(15)
Discussion on the Identification of Farmland Damage in the Illegal Occupation of Agricultural Land Crime AN Haijiao(17)

Forestry and Plant Protection

- Research on Prevention and Control of Armyworm in Liaoning Province QU Changming(19)
Discovery and Classification of Bacteriocin and Its Application in Biological Control BAI Zijin(21)
Study on Fast Determination Method of Pesticide Residues in Vegetables GAO Qi(23)
Comparative Study on the Detection of Sulfonamides in Aquatic Products by Fluorescence and Ultraviolet Method QU Na, MA Wenju(25)

Agricultural Engineering

- Model Design of Frame Structure under Vertical Load SUN Changqing, ZHANG Kai, XIAO Nan, LIU Jintao(27)
Design on IMC-1200 Two Lines Stubble Cleaner BAO Xibo(29)
Research on Metrological Verification of Fuel Dispenser LIANG Lichao, ZHAO Dongxiang, BING Mengfen, YU Liangbao(31)
Research and Analysis of Wear-resisting Performance of Intertidal Shellfish CUI Yuefeng, YAN Tao, LIU Wenjie(33)
Design of Potato Residue Plastic Film Recycling Device WANG Fuyi(35)
Study on the Integrated Technology System and Production Mode of Modern Physical Agriculture HAN Zhibin(37)
Application and Development of Safety Instrumentation and Control System in Large Chemical Plants YANG Baotian(39)
Research on the Ecological Regulation Model of Reservoir NIU Jinzhou(41)
Design on the River Course Change of Baita River Tributary in Huannan New District FU Lin(43)
Current Situation of China's Water Resources and Water-saving Agriculture LIU Shunguo(45)
Eutrophication Control Measures for Dahuofang Reservoir CHEN Faxian, QIANG Lifeng, XIAO Qidong, LIU Tao, LI Chunyang, JI Wei(47)
Technology Optimization and Nutrition Evaluation of "Salad Stuffed Taro as Flowers" LIU Xianbo, FAN Xiangfu(49)

Technology Extension

- Research on Application of Mulching Technology in Grain and Oil Crops in Liaoning SUN Yanhong(51)
Application of New Rice Mechanization Technology in Dandong Area GONG Yuntao(53)
Essentials of Mechanized Rice Transplanting Seedling Technology in Panjin Area CUI Shiyong(55)
Present Development of Facility Agriculture in China and Countermeasures LIU Lei(57)
Optimization Selection of Vegetable Varieties and Technology Modes for Early Cultivated Facility Vegetables YAN Shujie(59)
Reflection on the Promotion of Conservation Tillage in Zhangwu County ZHOU Shili(61)
Comparison of Approaches to Identifying Maize Seed Purity XIE Mingwei(63)

Forum and Communication

- Application of Agricultural Mechanization and the Role in the Industrial Structure Adjustment of Agriculture YU Yan(65)
Agricultural Mechanization and Large-scale Land Management WANG Ping(67)
Research on the Development of Agricultural Mechanization in the Mountain Areas of Chaoyang MA Guoquan(69)
Quality Management of High Performance Agricultural Machinery Manufacturing Enterprises QIN Yonghui, DUAN Hongjun(71)
Research on Information Network Construction for Liaoning Agricultural Mechanization QU Wentao(73)
Discussion on the Development of Agricultural Mechanization in Liaoning Province LIAN Yang, JIANG Huan(75)
Reflections on the Public Agricultural Technology Service under the New Situation Wang Hui(77)
Analysis on the Present Situation and Development Trend of Chinese Seed Industry SHI Ji, LIU Yanbin(79)
Reflection on the Development of Agricultural Machinery Cooperatives in Liaoyang WANG Dianyou(81)
Solutions to the Surging Food Imports Caused by Price Difference at Home and Abroad ZHAO Yonghong(83)
Discussion on Agricultural Practical Techniques Training Work ZHAO Linsheng, XU Dazhi(85)
Research on Farmers' Occupation Education Training in Liaoning Province XUE Jing(87)
Misuse of Multimedia in Teaching Agricultural Mechanization JIAN Ping(89)
Construction of Electrical and Electronic Laboratory of Integration of Theory and Practice LI Yanqin(91)