

中文科技期刊数据库全文收录期刊

农业科技与装备

AGRICULTURAL SCIENCE&TECHNOLOGY AND EQUIPMENT

2017年第6期

nongye keji yu zhuangbei



ISSN 1674-1161



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

万方数据



农业科技与装备

NONGYE KEJI YU ZHUANGBEI

2017 年第 6 期
(总第 276 期)
6 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
副 主 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 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

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

- 花生“果而不仁”现象的发生与防治
..... 钱 朗, 李 敏, 宫国安, 杨 辉, 马昌广(01)
- 不同整枝方法对大棚西瓜产量及品质的影响 唐海红(03)
- 播种期对辽阳市马铃薯产量的影响 冯茵菲(05)

土肥与环境

- 秸秆生物反应堆技术对黄瓜抗病性、产量及土壤肥力的影响
..... 胡俊峰(07)

农业工程

- 1KG-210 型旋耕机的设计与应用 何 丽(10)
- SolidWorks 软件在农业机械机构创新设计中的应用
..... 贾毕清, 韩绿化(12)
- 基于 PLC 的挤奶机器人三自由度机械臂控制方法研究
..... 郭 洋, 吴泽全, 蔡晓华, 侯云涛(15)
- 基于 MATLAB 的东辽县电网累年故障数据处理与分析 ... 杨 涛(18)
- 不同处理方法对玉米胚芽稳定性的影响 ... 刘 璐, 柴 媛, 曹慧英(22)
- 不同剂量 ^{60}Co γ 辐照对蓝莓果实抗氧化性及相关酶活性的影响
..... 佟俊生, 李晓平, 陶 焯, 姚 远, 王 琛(26)
- 水洗及水浴对秸秆燃料燃烧结渣特性的影响
..... 刘 兵, 李瑞华, 马孝琴, 逢明华, 陈彦新(30)
- 石墨炉原子吸收光谱法测定塑料食品包装材料中可迁移重金属铅
..... 徐亚民, 刘 阳, 魏天柱, 王 鹏(33)
- 钴源辐照对蓝莓果实贮藏品质的影响
..... 陶 焯, 王 琛, 高 雅, 崔智博, 李晓平(37)
- 超声波辅助提取灵芝三萜工艺研究
..... 康同辉, 张一凡, 解婉莹, 王 涵, 席春侠, 舒彦宇, 袁 媛(41)

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

技术推广

- 本溪县中药材生产全程机械化技术研究 包锡波(44)
辽宁省谷物干燥机应用现状及发展建议 崔向冬(47)
酸牛乳分类与加工工艺研究 叶春苗(49)
水果无损检测技术的研究与应用 刘明涛,刘亚,郭俊先(51)
粮食中农药残留量分析研究 韩笑(56)

论坛交流

- 玉米精密播种机质量问题分析与对策 李本帅(58)
铁岭市水稻生产全程机械化发展分析 张弘(60)
本溪市森林旅游发展现状与对策研究 徐迪(62)
云南省发展地理标志产品的启示
..... 李艳辉,宋广智,陈婷婷,焦忠恩,张智禄,路怀栋(65)
农产品质量安全网络舆情监测探讨 杨旭(67)
电力系统配电网络供电可靠性分析 于君(69)
电力营销稽查工作管理与建设研究 安超,姜军,史富明(71)
智能电网背景下的电力营销研究 姜彬(73)
农村电网调控微信公众平台建设与实践 孙婧妍,林飞(75)
基于4G技术的农业信息服务途径分析 闫元元,牛国强(77)
农业专业村空间变化与地理环境关系探析 胡尧,侯雨乐(80)
项目教学法在食品添加剂课程中应用研究
..... 任建军,张一凡,赵秀红,涂向辉,公勋(83)
兴趣教学在食品微生物学实验课程中的应用 董晓颖(86)
创新创业教育在应用型食品类专业教育中的有效融入研究
..... 路飞,肇立春,李哲,梁玮,夏晓林,魏唯唯(88)
特色化食品工程专业学位硕士培养模式研究
..... 史琳,李斌,魏宝东,张春红(90)

AGRICULTURAL SCIENCE & TECHNOLOGY AND EQUIPMENT

NO.6,2017
(Total NO.276)
June 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

Ddputy Editor in Chief

LIU Xin,WANG Shuai

Address

No.90,Dongling Road,Shenyang 110161

Telephone(Fax)

024-88416286

E-mail

nykzyb@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

- Phenomenon and Prevention on Peanuts "No Seed in Pods" ... *QIAN Lang, LI Min, GONG Guoan, YANG Hui, MA Changguang*(01)
 Effect of Different Pruning Method on Yield and Quality of Watermelon in Greenhouse *TANG Haihong*(03)
 Effect of Planting Time on the Output of Potato in Liaoyang City *FENG Yinfei*(05)

Soil-fertilizer and Environment

- Effects of Straw Bioreactor Technology on Cucumber Disease Resistance, Yield and Soil Fertility *HU Junfeng*(07)

Agricultural Engineering

- Design and Application of 1KG-210 Type Rotary Cultivators *HE Li*(10)
 Application of SolidWorks Software on Agricultural Machinery Innovation Design *JIA Biqing, HAN Lühua*(12)
 Research on Control Method of 3 – DOF Manipulator for Milking Robot based on PLC
 *GUO Yang, WU Zequan, CAI Xiaohua, HOU Yuntao*(15)
 Processing and Analysis on Power Grid Cumulative Annual Failure Date based on MATLAB in Dongliao Country *YANG Tao*(18)
 Effect of Different Treatment Methods on the Stability of Maize Germ *LIU Lu, CHAI Yuan, CAO Huiying*(22)
 Influence of Different ⁶⁰Co γ -irradiation Doses on Antioxidant and Relative Enzyme Activities of Blueberry Fruits
 *TONG Junsheng, LI Xiaoping, TAO Ye, YAO Yuan, WANG Chen*(26)
 Effects of Washing and Water Bath on Slagging Characteristics of Straw Fuel
 *LIU Bing, LI Ruihua, MA Xiaoqin, PANG Minghua, CHEN Yanxin*(30)
 Migratory Heavy Metal Lead in Plastic Packaging Material for Food Determined by GFAAS
 *XU Yamin, LIU Yang, WEI Tianzhu, WANG Peng*(33)
 Effect of Cobalt Source Irradiation on Storage Quality of Blueberry ... *TAO Ye, WANG Chen, GAO Ya, CUI Zhibo, LI Xiaoping*(37)
 Research on the Technology Extraction of the Ganoderma Triterpenoids by Ultrasonic-assisted
 *KANG Tonghui, ZHANG Yifan, XIE Wanying, WANG Han, XI Chunxia, SHU Yanyu, YUAN Yuan*(41)

Technology Extension

- Research on the Technology of Chinese Herbal Medicines Production Full Mechanization in Benxi Country *BAO Xibo*(44)
 Application Status and Development Suggestions of Grain Dryer in Liaoning Province *CUI Xiangdong*(47)
 Research on Classification and Processing Technology of Cultured Milk *YE Chunmiao*(49)
 Research and Application on Fruit Nondestructive Detection Technology *LIU Mingtao, LIU Ya, GUO Junxian*(51)
 Research on Pesticide Residue Analysis in Grain *HAN Xiao*(56)

Forum and Communication

- Analysis on the Quality Problems of Maize Precision Planter and Its Countermeasures *LI Benshuai*(58)
 Analysis on the Development of Rice Production Full Mechanization in Tieling City *ZHANG Hong*(60)
 Research on Development Status and Countermeasure of Forest Tourism in Benxi City *XU Di*(62)
 The Inspiration of Developing Products of Geographical Indication in Yunnan Province
 *LI Yanhui, SONG Guangzhi, CHEN Tingting, JIAO Zhongen, ZHANG Zhilu, LU Huaidong*(65)
 Discussion on Monitoring the Public Opinion on Internet for Quality Safety of Agricultural Products *YANG Xu*(67)
 Analysis on Power Supply Reliability of Distribution Network in Power System *YU Jun*(69)
 Research on Management and Construction of Electric Marketing Inspection *AN Chao, JIANG Jun, SHI Fuming*(71)
 Research on Power Marketing at the Background of Smart Grid *JIANG Bin*(73)
 Building and Practice of Wechat Public Platform for Rural Power Grid Regulation *SUN Jingyan, LIN Fei*(75)
 Analysis on the Agricultural Information Service Approach Based on 4G Technology *YAN Yuanyuan, NIU Guoqiang*(77)
 Exploration and Analysis on the Relationship of Space Variation and Geographical Environment in Agricultural Specialized Village
 *HU Yao, HOU Yule*(80)
 Research on the Application of Project Teaching Method in Food Additives Course
 *REN Jianjun, ZHANG Yifan, ZHAO Xiuhong, TU Xianghui, GONG Xun*(83)
 Application of Interest-oriented Teaching in Microbiological Experiments of Food *DONG Xiaoying*(86)
 Research on the Effective Integration of Innovative and Entrepreneurship Education In Practical Food Professional Education
 *LU Fei, ZHAO Lichun, LI Zhe, LIANG Wei, XIA Xiaolin, WEI Weiwei*(88)
 Study on Training Mode for Postgraduates with Professional Degree in Characteristic Food Engineering
 *SHI Lin, LI Bin, WEI Baodong, ZHANG Chunhong*(90)