

◆中国林业核心期刊 ◆中国核心期刊(遴选)数据库收录期刊
◆中国期刊全文数据库(CJFD)收录期刊 ◆黑龙江省优秀科技期刊

ISSN1005-5215
CN 23-1335/S

防护林科技

PROTECTION FOREST SCIENCE AND TECHNOLOGY

黑龙江省森林与环境科学研究院 国家林业局三北防护林建设局 黑龙江省三北林业建设指导站

防护林科技

二〇一八年

第五期(总一七六期)

二〇一八年五月



FANGHULIN
KEJI

万方数据

2018

5

目 次

●试验研究

- 1 福建龙岩米老排林分生长效果分析及优树选择
..... 林能庆,洪永辉,李杭生,陈友力,黄日奎
- 5 不同干旱环境对赤松、樟子松、彰武松生理的影响
..... 安宇宁
- 9 不同整地技术对黑龙江西部石质荒山抗旱造林效果的影响
..... 刘继锋,翁国盛,王力刚
- 12 3种生根剂对金叶复叶槭嫩枝扦插生根的影响..... 董晓文
- 14 造林密度对杉木幼林生长的影响..... 谢一鹏
- 16 “快招”等3种除草剂在针叶树育苗上的应用试验
..... 王咏梅,王斌
- 18 不同刻芽处理对文冠果芽内源激素含量及平衡的影响
..... 张国林
- 20 不同灵芝品种对种植地土壤物理性质的影响..... 高英旭
- 22 青海文冠果引种试验..... 何海燕
- 24 小兴安岭主要阔叶树种树干生物量模型研究..... 魏胜利
- 27 辽西大扁杏树盘覆膜技术试验..... 刘贺祥
- 29 辽东地区刺槐抚育间伐对林分生态环境的影响..... 卜军
- 33 重金属 Cu 胁迫对油松苗木生长的影响..... 任贵军
- 35 不同程度修枝和抚育间伐对红松生长量的影响..... 倪鹏跃
- 37 北票半干旱地区大扁杏整地施肥造林效果分析..... 杨秀丽

●综述评论

- 39 北方造林树种耗水特性及抗旱造林技术分析..... 安志东
- 41 平原地区杨树农田防护林生态功能评价..... 葛玉祥,毕广有
- 43 新疆阿尔泰山两河源自然保护区湿地资源评价
..... 叶勒波拉提,流汉
- 45 试析抚顺县油松人工林的科学经营..... 邢亮,刘瀛,邢锡桐
- 48 宽甸县防护林现状及保护对策..... 王鹤群
- 50 欧洲落叶松生态型及地理变异..... 张素清
- 52 试析青海省林地保护与利用战略布局..... 雷小平
- 54 防沙治沙模式的思考..... 赵实
- 56 论推进双季槐产业发展的有效途径
..... 李朝阳,秦国杰,费大丽

- 58 林业信息化建设对林业生态大数据应用的思考 樊文裕
- 60 飞机施药防治模毒蛾效果浅析 王海英
- 61 园林水生植物景观改造与种植技术分析 刘焕婷
- 63 浅谈兴安落叶松的播种育苗及苗期管理
..... 李朝晖,王丽敏,张玉柱
- 65 以新江实验林场为例分析实验型林场护林防火应对措施
..... 郭昭滨,翁国盛,王力刚
- 67 基于 C# + GMap.NET 实现营造林图斑坐标获取方法的研究
..... 梁志强
- 69 绘制拟占用征收林地现状图中 GIS 软件的应用 王冰
- 70 韩国速生枸杞在辽西地区的发展与展望
..... 赵明优,韩文忠,姜镇荣,刘丽娜,王鹏,李彬彬,田福军
- 72 沈阳市防护林现状与结构分析 张鸿宇
- 74 设施桃树生长习性及其适宜的优良品种 刘中双

●问题探讨

- 77 辽宁省主要造林树种抗火性能测定及抗火树种的选择探讨
..... 赵勇
- 78 黑龙江省西部地区小干松嫁接繁育技术探讨
..... 姜奎志,徐连峰,赵凌全,史绍林,许成启
- 80 林木组培工厂化育苗中增殖培养优化技术探讨
..... 滕秀兰,史绍林

●实用技术

- 81 红松幼树采挖移栽技术探讨 徐广海,李文占,于小野
- 82 长白山区生物柴油植物选择探讨 刘建军,刘俊华,刘玉波
- 85 吉林西部地区菜用枸杞露地栽培技术
..... 王漫,叶雅玲,陈淑华,任晓远,于静
- 87 大同地区沙棘经济林栽培技术 闫晋华
- 89 浅析青海省柃柳林下扦插育苗技术 丁生成
- 91 丘陵黑土区防护林下老山芹栽培技术
..... 谭继伟,史绍林,杨大伟,季晓慧,赵凌全
- 93 红松+水曲柳混交林营造及培育技术 刘长霞

28 郑重声明

封一 梦幻张家界 陈喜忠摄

封四 让绿色环绕地球

万方数据

期刊基本参数:CN23-1335/S*1983*m*A4*128*zh*P*¥16.00*1000*44*2018-05

FANGHULIN KEJI

1983年创刊
月刊 公开发行

主 编 张剑斌
副 主 编 毕广有 许成启 王福森
赵 岭 郑洪生
责任编辑 (以姓氏笔画为序)
王力刚 王红梅 王福森
刘 录 刘新宇 李 峰
郑洪生 赵 岭 赵凌全
曹志伟 温宝阳 戴玉伟

英文编译 王红梅
编 务 张鸣天
编辑出版 防护林科技编辑部

地址:161005 齐齐哈尔市龙沙区合意大街8号
电话:0452-8072309 8072329

印 刷 齐齐哈尔慧达印刷有限公司
订 阅 全国各地邮局(所)
国内发行 齐齐哈尔市邮政局
国内代号 14-244
国外发行 中国出版对外贸易总公司

(北京782信箱,邮编:100011)

国外代号 NT-1079
广告许可证号 齐工商广字039号
定 价 16.00元

<http://www.Chinajournal.net.cn>
[//FHLK.Chinajournal.net.cn](http://FHLK.Chinajournal.net.cn)

E-mail:FHL8072309@163.com

工作QQ:2387531201

本 刊 声 明

本刊已许可中国学术期刊(光盘版)电子杂志社、北京万方数据股份有限公司、维普资讯公司分别在中国知网、万方数据—数字化期刊群、中文科技期刊信息数据库及其系列数据库产品中以数字化方式复制、汇编、发行、信息网络传播本刊全文。著作权使用费与本刊稿酬一并支付。作者向本刊提交文章发表的行为即视为同意我刊上述声明。

CONTENTS

Protection Forest Science and Technology Monthly ,started in 1983 No.5 May 2018(Sum No.176)

Editor in Chief Zhang Jianbin
Associate Editor in Chief
Bi Guangyou Xu Chengqi
Wang Fusen Zhao Ling
Zheng Hongsheng
Administrated by
Forestry Dept. of Heilongjiang Province
Sponsored by
Academy of Forest and Environment
of Heilongjiang Prov .
The Three North Protection Forest
Administration of State Forestry Administration
The Three North Protection Forest
Station of Forestry Dept. of Heilongjiang Prov .
Edited and Published by
Editorial Dept. of Protection Forest
Science and Technology
(Address No.8 Heyi Avenue, Longsha District,
Qiqihar 161005, China, Tel. 0452-8072309)
Printed by Qiqihar Huida Printing
Limited Co .
Subscription All Local Post Offices in
China
Distributed by Qiqihar Post Office
Foreign Distr. by
China Publication Foreign Trade Co .
(P.O.Box 782, Beijing 100011, China)
Distri. No.
Dom.14-244 Foreign NT-1079
万方数据

Growth Effect and Optimum Tree Selection of <i>Mytilaria laosensis</i> in Longyan City of Fujian Province Lin Nengqing ,Hong Yonghui ,Li Hangsheng ,Chen Youli ,Huang Rikui(1)	Effects of Extreme Drought Environment on Physiology of <i>Pinus densiflora</i> , <i>Pinus sylvestris</i> var. <i>mongolica</i> and <i>Pinus densiflora</i> var. <i>zhanguensis</i> An Yuning(5)
Effects of Different Land Preparation Techniques on Drought-resistance and Afforestation in Western Liaoning Province Liu Jifeng ,Weng Guosheng ,Wang Ligang(9)	Effects of Three Rooting Agents on Rooting of <i>Acer negundo</i> Dong Xiaowen(12)
Effect of Planting Density on Growth of Young <i>Cunninghamia lanceolate</i> Plantation Xie Yipeng(14)	Application Test of Three Kinds of Herbicides such as "Kuaizhao" on Conifer Nursery Wang Yongmei ,Wang Bin(16)
Effects of Different Bud-notching Treatments on Endogenous Hormone Content and Balance in Buds of <i>Xanthoceras sorbifolias</i> Zhang Guolin(18)	Effects of Different <i>Ganoderma lucidum</i> Varieties on Soil Physical Properties in Planted Fields Gao Yingxu(20)
Introduction Experiment of <i>Xanthoceras sorbifolium</i> in Qinghai Province He Haiyan(22)	Stem Biomass Model of Major Broad-Leaved Tree Species in Xiaoxing'anling Mountains Wei Shengli(24)
Test on Technology of Tree-base Coating for <i>Armeniaca vulgaris</i> in Western Liaoning Province Liu Hexiang(27)	Effect of Thinning of <i>Robinia pseudoacacia</i> in Eastern Liaoning Province on Ecological Environment of Stand Bu Jun(29)
Influence of Heavy Metal Cu Stress on Growth of <i>Pinus tabulaeformis</i> Seedlings Ren Guijun(33)	Effects of Pruning and Thinning with Different Intensities on Growth of <i>Pinus koraiensis</i> Ni Pengyue(35)
Afforestation Effect of Site Preparation ,Fertilization of <i>Armeniaca vulgaris</i> in Semi-arid Area of Beipiao City Yang Xiuli(37)	Water Consumption Characteristics of Afforestation Tree Species in Northern China and Analysis of Drought-resistance Afforestation Techniques An Zhidong(39)
Evaluation of Ecological Function of Poplar Farmland Shelterbelt in Plain Area Ge Yuxiang ,Bi Guangyou(41)	Wetland Resources Evaluation of Liangheyuan Nature Reserve in Altai Mountains in Xinjiang Uyghur Autonomous Region Yelebolati ,Tuoliuhan(43)
Preliminary Study on Scientific Management of <i>Pinus tabulaeformis</i> Plantations in Fushun County Xing Liang ,Liu Ying ,Xing Xitong(45)	Present Situation and Protection Countermeasures of Shelterbelts in Kuandian County Wang Hequn(48)
Ecotypes and Geographical Variations of <i>Larix decidua</i> Zhang Suqing(50)	Strategic Layout of Forest Land Protection and its Utilization in Qinghai Province Lei Xiaoping(52)
Reflections on Sand Prevention Models Zhao Shi(54)	On the Effective Ways to Promote the Development of <i>Sophora japonica</i> which Can Produce <i>Flos Sophora</i> in Double-season Li Zhaoyang ,Qin Guojie ,Fei Dali(56)
Application of Forestry Informationization to Forestry Ecological Data Fan Wenyu(58)	Control Effect of Controlling Mould Moth by Aircraft Application Wang Haiying(60)
Landscape Transformation of Landscape Aquatic Plant and its Planting Technology Liu Huanting(61)	Planting Methods and Management of <i>Larix gmelinii</i> Li Zhaohui ,Wang Limin ,Zhang Yuzhu(63)
Fire Protection Countermeasures of Forest Protection in Xinjiang Experimental Forest Farm Guo Zhaobin ,Weng Guosheng ,Wang Ligang(65)	Based on C#+GMap.NET to Achieve Forest Map Spot Coordinate Acquisition Method Liang Zhiqiang(67)
Draw the Application of GIS Software in the Plan to Take up the Current State of Land Acquisition Wang Bing(69)	Development and Prospect of Korean Fast-growing <i>Lycium chinense</i> in Western Liaoning Province Zhao Mingyou ,Han Wenzhong ,Jiang Zhenrong ,Liu Lina ,Wang Peng ,Li Binbin ,Fan Fujun(70)
Status Quo and Structure Analysis of Shelterbelts in Shenyang City Zhang Hongyu(72)	Growth habits of <i>Amygdalus persica</i> in Greenhouse and its Suitable Fine Varieties Liu Zhongshuang(74)
Determination of Fire Resistance of Main Tree Species Planted in Liaoning Province and Selection of Fire-resistant Tree Species Zhao Yong(77)	Grafting and Breeding Techniques of Small Dry Pine in Western Region of Heilongjiang Province Jiang Kuizhi ,Xu Lianfeng ,Zhao Lingquan ,Shi Shaolin ,Xu Chengqi(78)
Optimization of Proliferation and Culture in Planting Seedlings of Forest Trees Tissue Culture Teng Xiulan ,Shi Shaolin(80)	Cutting and Transplanting Techniques of Young Trees of <i>Pinus koraiensis</i> Xu Guanghai ,Li Wenzhan ,Yu Xiaoye(81)
Selection of Biodiesel Plant in Changbai Mountains Liu Jianjun ,Liu Junhua ,Liu Yubo(82)	Cultivation Techniques for Vegetable <i>Lycium chinense</i> in Western Jilin Region Wang Man ,Ye Yaling ,Chen Shuhua ,Ren Xiaoyuan ,Yu Jing(85)
Cultivation Techniques of <i>Hippophae rhamnoides</i> Economic Forest in Datong District Yan Jinhua(87)	Cutting and Seedling Techniques of <i>Tamarix chinensis</i> under Qinghai Province Ding Shengcheng(89)
Cultivation Technology of <i>Heracleum baratum</i> under Shelter Forest in Black Soil Region in Hilly Region Tan Jiwei ,Shi Shaolin ,Yang Dawei ,Ji Xiaohui ,Zhao Lingquan(91)	Construction and Cultivation Techniques of Mixed Forest of <i>Pinus koraiensis</i> and <i>Fraxinus manschurica</i> Plantation Liu Changxia(93)