

1977 年创刊 全国中文核心期刊

北方园艺

北方园艺

Northern Horticulture

总第 226 期

2010 年第 19 期(10 月上)

1977 年创刊

◆半月刊◆ 2010 年第 19 期(10 月上)

总第 226 期

CONTENTS

【试验研究】

- 水氮互作对红枣光合特性与产量的影响 柴仲平,王雪梅,孙 霞,等(1)
菊花新品系对气态复合苯—甲苯去除效果测试 杨 华,刘智永,葛 红,等(5)
赤霞珠葡萄光合生理生态特性的研究 房 林,张振文,贾媛媛,等(8)
活性炭对大白菜游离小孢子成胚和成苗的影响 盛 鹏,岳艳玲,李 祥,等(13)

【研究简报】

- 七个新疆良种核桃品质评价分析 张 强,虎海防,李西萍(16)
不同种植年限樱桃树根际土壤酶活性的研究 张 强(18)
石榴果实生长与主要环境因子的相关性研究 申东虎,韩秀梅,朱晓义(20)
土壤性质及养分与深州蜜桃品质的关系 范玉贞(22)
缓控释长效剂对黄瓜苗质量影响研究 胡俊杰,金伊洙,郭树义,等(24)
强丰 7301 辣椒新品种在昆明的栽培试验 段玉云,龙荣华,罗红梅,等(26)
贵州鲜食甘薯栽培关键技术 李 云,黄 团,宋吉轩(28)
适宜西北地区栽培的甜叶菊品种引种研究初报 钱永康,赵永平,何庆祥,等(30)
紫外分光光度法测定小茴香不同器官中总黄酮 朱金霞,郭生虎,郑国保(33)
山东主产区生姜姜油树脂提取率对比研究 于大胜,孙翠玲,张美玲,等(35)
金塔地区外来植物调查研究 董 平,陈学林,张慕华,等(37)

主管单位

黑龙江省农业科学院

主办单位

黑龙江省园艺学会

黑龙江省农业科学院

编辑出版中心

《北方园艺》编辑部

编辑出版中心

主任 毕洪文

副主任 苗玉新 黄峰华

主编 毕洪文

责任编辑 贾枕萍 黄峰华

编 辑 刘 博 曲红云

李晓晨 王 雪

王红蕾

美术编辑 许 真

广告发行 白晓琳 李佩英

地 址 哈尔滨市南岗区
学府路 368 号

邮 编 150086

电 话 0451-86674276

电子信箱 bfyybjb@163.com

印 刷 哈尔滨博奇彩色印刷有限公司

国内发行 哈尔滨市邮局

邮发代号 14-150

订 阅 全国各地邮局

国外发行 中国国际图书贸易总公司
(北京 399 信箱)

国外代号 M 5011

中国标准连续出版号 ISSN 1001-0009
CN 23-1247/S

广告经营许可证号 2301070000009

出版日期 每月 15、30 日

定 价 6 元

目 次

【设施园艺】

- 日光温室青椒水分生产函数试验研究 王喜芹,李 波,王铁良,等(44)
冬、春季日光温室“两栽一收”油白菜高效生产技术 齐征宇,翟西君(47)
北京地区保护地大棚越夏西瓜高品质配套栽培技术 陈春秀,武 丹(48)
日光温室内套作栽培模式的现状及研究 王 丹(50)
高寒地区日光温室冬玉西葫芦越冬茬种植技术 张梅花(52)
冬玉西葫芦在青海高寒地区日光温室深冬栽培技术 陈玉财(54)
云南蒙自设施土壤养分、微生物及酶活性分析 刘艳红,张德刚,和丽生(55)
青海省设施蔬菜现状及发展对策 杜中平,聂书明,徐海勤(58)
大五星枇杷大棚栽培技术 何俊涛,江国良,陈 栋,等(60)

【栽培技术】

☆ 果园 ☆

- 榛子荒山造林技术 张 悅(62)
‘香花’樱桃应用及栽培技术 张庆良,赵 飞,陈秀红(63)
红太后草莓高产栽培技术 郁俊谊,张斌亮(65)

☆ 菜园 ☆

- 出口绿芦笋有机栽培技术 周 国(67)
新兴保健野菜白簕及栽培技术 杨辽生,梁玉勇(69)
黄花菜丰产栽培技术 周景福(71)

【园林花卉】

☆ 植物 ☆

- 新铁炮百合花芽分化及发育过程中氮磷钾含量变化的研究 李智辉,陈 鸿,李天来(72)
多效唑对大叶黄杨、金叶女贞、紫叶小檗的抗旱性影响研究 宋红梅,刘建凤,孙旭霞,等(75)
不同遮荫处理对几种扶芳藤光合特性影响的研究 刘广林,林 瑛,王 策(78)
不同营养液对野玫瑰无土栽培效果初报 李明银,丁艳丽,李孝辉(82)
宁夏黄灌区紫色矮樱容器育苗技术研究初探 王建宇,杨永山(84)
野生珍稀花卉翠雀、角蒿的引种栽培与园林应用 黄印冉,李银华,张均营,等(86)

- 不同生长期燕子掌 SOD 含量与环境因子的关系 魏淑珍,何铁柱,郭继平(89)
高羊茅草坪草抗热性生理研究 龚雪梅(91)
不同处理的稻秸基质对草坪抗旱特性的影响 蒙宇,周玉峰,张建波,等(94)
水分胁迫对宜昌楠苗期叶片光合特征的影响 贾德华,费永俊,戈祖国(98)
氮磷钾肥配施对金盏花产量的影响 朱亚,赵永平,周彦芳,等(101)
过程参数对玫瑰的真空冷冻干燥时间试验研究 秦红平,崔伟(103)
不同品种金盏花引种评比研究 何庆祥,赵永平,王致和,等(106)
遮光处理对金森女贞生长和光合特性的影响 张立才,臧德奎,韩瑞超(108)
金叶莸全光雾扦插育苗技术 王桂莲(111)
观花优良藤本月季性状研究 汉梅兰,杨永花,王世新,等(112)
九种景天植物在越冬期间生理生化指标的变化 王倩,冷平生,关雪莲,等(114)
简易风障对鸡爪槭越冬枝条生理特性影响的研究 李保平(118)
开花结果对重庆垫江药用牡丹丹皮产量与品质的影响 张祖荣,冉烈(121)
大丽菊花瓣衰老过程中保护酶活性变化的研究 阚雪芹,孙悦,苏媚,等(124)

☆ 景观 ☆

- 边坡植被恢复技术体系及应用模式 邻凤超,彭国涛,许小娟,等(127)
节约型现代农村新社区景观设计研究 胡云平,商建宏,胡秀娟(131)
浅析如何营造植物群落的优美林缘线 张晶晶,刘晓明(133)

【生物技术】

- 李低温酶促褐变机理的研究 史辉,龙超安(136)
枸杞 RAPD 反应体系的优化 任贤,张磊,罗才洁,等(140)
'黄金冠'桃组织培养的初步研究 郭伟伟,孟庆杰,黄勇,等(142)
杏叶片 DNA 提取和荧光 AFLP 反应体系的建立 张俊环,孙浩元,杨丽,等(145)
石榴 ISSR-PCR 反应体系的正交设计优化 赵丽华(148)
低温胁迫对两种丛生竹抗氧化剂活性影响的研究 易守理,雷霆,高素萍(153)
加拿大铁杉不定芽诱导及植株再生技术研究 刘宝光,田春雨,徐广云(157)
西花蓟马对安祖花组培苗及其移栽苗危害的初步研究 肖桔清,肖尊安,王春城(160)

【植物保护】

- 敌百虫对斜纹夜蛾的生物活性及田间应用 李东臣(163)
包头地区美洲斑潜蝇生活史的观察 张富荣,付和平,刘金泉,等(165)
大棚西芹的栽培及病虫害防治 王小梦,张路生,巴秀成,等(166)
日光温室秋延后黄瓜细菌性角斑病的发生原因与防治 秦丽(168)
保护地草莓白粉病田间药剂筛选试验 王中武,王楠(169)

- 乙氧氟草醚和吡氟氯禾灵在紫叶小檗苗圃中除草效果研究 秦现英(171)
不同诱捕器对小菜蛾诱集效果比较 康总江,魏书军,路虹,等(173)

【贮藏保鲜加工】

- 不同保鲜剂对香石竹切花保鲜效果的研究 刘伟,罗灯涛,刘久东(175)
含苯甲酸钠保鲜剂对菊鲜切花保鲜效果的影响 申玉华,赵丽颖(177)

【食用菌】

- 黑木耳菌糠复合基质对一串红生长发育的影响 于昕,姚方杰(179)
菌糠资源化技术 邹德勋,潘斯亮,黄芳,等(182)
稻草替代木屑栽培黑木耳研究 赵桂云,王伟功,刘岩(186)

【中草药】

- 枸杞呼吸特性研究 冯美,张宁(188)
不同品种金银花光合作用对干旱胁迫的响应 彭素琴,刘郁林(191)

【新品种选育】

- 彩色大白菜“龙园红1号”引种试验初报 宋亚平,周礼军,石秀莲(194)
台湾农友种苗辣椒新品种在云南的种植试验 邹海青,贾卫坤,黄敏(195)
辽菘五号大白菜的选育 苏君伟,王群,金嘉丰(196)

【产业论坛】

- 河北省花卉产业发展概况研究 刘志青,赵邦宏,张晓军(198)
我国园艺产业三十年的回顾与展望 李莉(201)

【专题综述】

- 兰科植物种子萌发研究进展 郑晓君,叶静,管常东,等(206)
我国华山松遗传改良研究进展 辛培尧,周军,段安安,等(210)
甜椒采后生理及保鲜技术研究进展 李家政,周延文,唐巨颖(214)
我国花椰菜种质资源及育种研究现状 刘运霞,王晓武(218)
草花混播发展历程研究 李冰华,高亦珂(220)
我国农村生活垃圾现状及管理对策研究 郑好,梁成华(223)
中国对马来西亚蔬菜出口国际竞争力的比较分析 刘怀桔(227)

Northern Horticulture

Main Contents

Experimentation and Research

- Influence on Yield and Fruit Quality of *Zizyphus jujube* under Interactions of Water and Nitrogen CHAI Zhong-ping, WANG Xue-mei, SUN Xia, et al(1)
Performance Testing in Removing Benzene-Toluene Binary Gas Using New Lines of *Chrysanthemum* YANG Hua, LIU Zhi-yong, GE Hong, et al(5)
Study of Photosynthetic Physiological Characteristics of *Vitis vinifera* FANG Lin, ZHANG Zhen-wen, JIA Yuan-yuan, et al(8)
Effect of Activated Carbon on Microspore-derived Embryos and Regenerated Plantlet of Chinese Cabbage SHENG Peng, YUE Yan-ling, LI Xiang, et al(13)

Research Notes

- The Evaluation and Analysis for the Seven Improved Varieties of the Walnut in Xinjiang ZHANG Qiang, HU Hai-fang, LI Xi-ping(16)
Study on Soil Enzyme Activity at Rhizosphere Region of Cherry in Different Growth Years ZHANG Tao (18)
Correlation Analysis of Fruit Growth and Main Environmental Factors of Pomegranate SHEN Dong-hu, HAN Xiu-mei, ZHU Xiao-ji(20)
The Relationship Between Quality of Shenzhou Peach Soil Properties and Nutrient FAN Yu-zhen(22)
Effect of the Controlled Release Long-acting Agent on the Quality of Cucumber Seedlings HU Jun-jie, JIN Yi-zhu, GUO Shu-ye, et al(24)
Research in Main Agronomic Traits of Pepper Qiangfeng 7301 Planted in Kunming DUAN Yu-yun, LONG Rong-hua, LUO Hong-mei, et al(26)
Key Cultivation Technologies for Fresh Sweet Potato of Guizhou Province LI Yun, HUANG Tuan, SONG Ji-xuan(28)
Primary Studies on Cultivars Introduction of *Stevia rebaudiana* for Northwest Area QIAN Yong-kang, ZHAO Yong-ping, HE Qing-xiang, et al(30)
Determination of the Total Flavonoids in Different Organs of *Foeniculum vulgare* Mill. by UV Spectrophotometry ZHU Jin-xia, GUO Sheng-hu, ZHENG Guo-bao(33)
Comparison of Ginger Oleoresins Extraction Rate in Main Ginger Producing Areas in Shandong YU Da-sheng, SUN Cui-ling, ZHANG Mei-ling, et al(35)
Investigation and Study on the Alien Plants Diversity of Jinta County in Gansu Province DONG Ping, CHEN Xue-lin, ZHANG Mu-hua, et al(37)

Facilities Horticulture

- Experimental Study on Water Production Function of Pepper in Greenhouse WANG Xi-qin, LI Bo, WANG Tie-liang, et al(44)
Feasibility and Research Progress of Intercropping in Greenhouse WANG Dan(50)
Soil Basic Nutrient, Microbial Community and Enzyme Activities in Greenhouse in Mengzi County of Yunnan Province LIU Yan-hong, ZHANG De-gang, HE Li-sheng (55)
Actual State and Development Measures on Protected Vegetable in Qinghai Province DU Zhong-ping, NIE Shu-ming, XU Hai-qin(58)

Garden Design and Garden Plants

- Changes in the Contents of N,P,K during the Initiation and Development of Flower Bud in *Lilium formolongi* LI Zhi-hui, CHEN Hong, LI Tian-lai(72)
Study on the Drought Resistance of Paclobutrazol on *Euonymus japonicus*, *Ligustrum lucidum* cv. and *Berberis thunbergii* cv. *atropurpurea* SONG Hong-mei, LIU Jian-feng, SUN Xu-xia, et al(75)
Effect of Shading Several Treatments of *Euonymus fortunei* (Turcz.) Hand.-Mazz. on Photosynthetic Character LIU Guang-jin, LIN Ying, WANG Ce(78)
Effects of Different Solutions on Soillessculture of *Rosa rugosa* Thunb LI Ming-yin, DING Yan-li, LI Xiao-hui(82)
Introduction and Cultivation and Garden Application of Excellent Wild Flowers *Delphinium randidiflorum* and *Incarvillea sinensis* HUANG Yin-ran, LI Yin-hua, ZHANG Jun-ying, et al(86)
Connection Between Environmental Factors and Content of SOD During the Growth of *Crassula portulacea* WEI Shu-zhen, HE Tie-zhu, GUO Ji-ping(89)
Study on Thermotoleranc Resistibility of *Festuca arundinacea* Scherb. Varieties GONG Xue-mei(91)
Effect of Different Treatment of Rice Straw Substrate on Drought Resistance of Turf MENG Yu, ZHOU Yu-feng, ZHANG Jian-bo, et al(94)
Effects of Water Stress on Photosynthetic Characteristics of Leaf *Phoebe shermani* Yichang Seedlings JIA De-hua, FEI Yong-jun, GE Zu-guo(98)
Effects of Different N,P,K Combined Application on Yield of Marigold ZHU Ya, ZHAO Yong-ping, ZHOU Yan-fang, et al(101)
Study of Process Parameters on the Vacuum Freeze-drying Time of the Rose QIN Hong-ping, CUI Wei(103)
Comparison and Appraisal Different Marigold Varieties Introduction HE Qing-xiang, ZHAO Yong-ping, WANG Zhi-he, et al(106)
Effects of Shading Treatment on the Growth and Photosynthesis Characteristic of *Ligustrum japonicum* 'Howardii' ZHANG Li-cai, ZANG De-kui, HAN Rui-chao(108)

responsible Institution

Heilongjiang Academy of Agricultural Sciences

sponsored by

Horticultural Institute of Heilongjiang

Heilongjiang Academy of Agricultural Sciences

edited & Published by

Editorial Department of NORTHERN HORTICULTURE

Editing and Publishing Center

Director BI Hong-wen

Vice-director MIAO Yu-xin HUANG Feng-hua

Address

368 Xuefu Road, Nangang District, Harbin, 150086, China

Tel 0451-86674276

Changes of Physiological and Biochemistry Characteristics 9 Varieties of <i>Sedum</i> during Autumn and Winter	WANG Qian, LENG Ping-sheng, GUAN Xue-lian, et al(114)
Effect of Simple Wind break Branches Physiological Characteristics of <i>Acer palmatum</i>	LI Bao-ping(118)
The Influence on Cortex Moutan Output and Quality of Medical Peony in Dianjiang Chongqing by Flowering and Fruiting	ZHANG Zu-rong, RAN Lie(121)
Analysis of Enzyme Activity of Protective System in <i>Dahlia pinnata</i> Cav Petals During Senescence	KAN Xue-qin, SUN Yue, SU Mei, et al(124)
Study of Technology System of Slope Vegetation Recovery and its Application Models	KUAI Feng-chao, PENG Guo-tao, XU Xiao-juan, et al(127)
Study on the Landscape Design of Saving Modern New Communities in Rural Areas	HU Yun-ping, SHANG Jian-hong, HU Xiu-juan(131)
Construction on Nice Forest Edge Line of Plant Community	ZHANG Jing-jing, LIU Xiao-ming(133)
Biotechnology	
Study on the Enzymatic Browning Mechanism of Plum During Low Temperature Storage	SHI Hui, LONG Chao-an(136)
The Optimization of RAPD Reaction System in <i>Lycium barbarum</i> L	REN Xian, ZHANG Lei, LUO Cai-jie, et al(140)
Preliminary Study on Tissue Culture of Peach 'Huangjinguan'	GUO Wei-wei, MENG Qing-jie, HUANG Yong, et al(142)
Extraction of DNA and Establishment of Fluorescent-AFLP Techniques in Leaves of Apricot	ZHANG Jun-huan, SUN Hao-yuan, YANG Li, et al(145)
Optimization of ISSR-PCR Reaction System for Pomegranate in Orthogonal Design	ZHAO Li-hua(148)
Change of SOD, CAT, POD Activity in Two Sympodial Bamboos under Low Temperature Stress	YI Shou-li, LEI Ting, GAO Su-ping(153)
Study on Induction of Adventitious Buds and Plantlet Regeneration of <i>Tsuga canadensis</i>	LIU Bao-guang, TIAN Chun-yu, XU Guang-yun(157)
Preliminary Investigation on Damage of <i>Anthurium andreanum</i> <i>in vitro</i> Shoots and Their Transplants by <i>Frankliniella occidentalis</i> Pergande	XIAO Ju-qing, XIAO Zun-an, WANG Chun-cheng(160)
Plant Protection	
Trichlorfon to Litura's Biological Activity and Field Application	LI Dong-chen(163)
Observation on Life History of <i>Liriomyza sativae</i> Blanchard in Baotou Area	ZHANG Fu-rong, FU He-ping, LIU Jin-quan, et al(165)
Selection of Medicaments for Controlling Powdery Mildew of Strawberry Planted in Protected Field	WANG Zhong-wu, WANG Nan(169)
Study on the Weeding with Haloxyfop and Oxyfluorfen in the Purple Leaf Barberry Nursery	QIN Xian-ying(171)
Storage and Processing	
Effect of Different Keeping Freshness Liquid on <i>Dianthus caryophyllus</i> Cut Flowers	LIU Wei, LUO Deng-tao, LIU Jiu-dong(175)
Effect of Sodium Benzoate on Cut <i>Dendranthema morifolium</i> Flower Fresh-keeping	SHEN Yu-hua, ZHAO Li-ying(177)
Edible Fungi	
Effect of Blackfungus Mushroom Bran Complex Substrate on the Growth of <i>Salvia splendens</i>	YU Xin, YAO Fang-jie(179)
Resource Recycling Technology of Spent Mushroom Substrate	ZOU De-xun, PAN Si-liang, HUANG Fang, et al(182)
Chinese Traditional Medicine	
Study on Respiration Characteristics of <i>Lycium barbarum</i>	FENG Mei, ZHANG Ning (188)
The Response of Photosynthesis to Drought Stress in Different Varieties of <i>Lonicera japonica</i> Thunb	PENG Su-qin, LIU Yu-lin(191)
Industry Forum	
Development of Flower Industry in Hebei Province	LIU Zhi-qing, ZHAO Bang-hong, ZHANG Xiao-jun(198)
Horticulture Industry Review and Outlook for 30 Years	LI Li(201)
Summarized	
Review on Recent Progress of Orchid Seeds Germination	ZHENG Xiao-jun, YE Jing, GUAN Chang-dong, et al(206)
Research Advance of Genetic Improvement on <i>Pinus armandii</i> in China	XIN Pei-yao, ZHOU Jun, DUAN An-an, et al(210)
Research Process on Postharvest Physiology and Preservation Technology of Sweet Pepper	LI Jia-zheng, ZHOU Yan-wen, TANG Ju-ying(214)
Study on Development History of Flower Meadow	LI Bing-hua, GAO Yi-ke (220)
Agricultural Relevant Issues	
Study of Status and Management Strategy of Rural Domestic waste	ZHENG Hao, LIANG Cheng-hua(223)
Comparative Analysis on the International Competitiveness of Chinese Vegetable in Malaysia	LIU Huai-ju(227)

Editor-in-chief BI Hong-wen

Chief Editor JIA Dan-ping HUANG Feng-hua

Editor LIU Bo QU Hong-yun
LI Xiao-chen WANG Xue
WANG Hong-lei

Artistic Editor XU Zhen

Advertising BAI Xiao-lin LI Pei-ying

E-mail bfyybjb@163.com

Printed by

Harbin Boqi Colour Printing Company Limited

Domestic Distributed by

Harbin Post Office

Oversea Distributed by

China International Book Trading Corporation(P.O.Box 399)

Publishing Date Monthly 15th,30th

Price 6 Yuan