

# 北方园艺

(1977年创刊·半月刊)

BEI FANG YUAN YI

总第 238 期      2011 年第 7 期      4 月(上)

## 目 次

### ◆ 试验研究 ◆

- LaCl<sub>3</sub> 和 CPZ 对磷饥饿番茄液泡膜 H<sup>+</sup>-ATPase 和 H<sup>+</sup>-PPase 活性的影响 ..... 徐函兵, 曾 镭, 单树花, 等(1)
- 压砂地不同间作模式下土壤水分变化研究 ..... 张战胜, 付 晓, 康建宏, 等(4)
- 不同茄子品种在青海地区引种比较 ..... 杜中平, 聂书明, 田晓丽(8)
- 复合盐、MgSO<sub>4</sub> 胁迫下三种叶菜幼苗的生理特性的影响 ..... 原红娟, 陈 丽(11)
- 香菇菌糠作栽培基质对番茄幼苗生长的影响 ..... 陈建州, 何建玲, 易 敏, 等(15)
- 山东省葡萄几种主要病毒病调查及检测研究 ..... 王升吉, 赵玖华, 尚佑芬, 等(20)

### ◆ 研究简报 ◆

- 新疆玛纳斯河流域葡萄霜冻发生规律研究 ..... 张振文, 陈 武(24)
- 野生山楂种子休眠特性及破除方法探讨 ..... 苗卫东, 扈惠灵, 周瑞金, 等(27)
- 宁夏设施“红地球”葡萄促成栽培种植结构和花芽分化 ..... 张 娟, 张海军, 杨建宁, 等(29)
- 废弃物发酵产物在黄瓜育苗上的应用研究 ..... 梁金凤, 黄 磊, 王胜涛, 等(32)
- 茗葱种子萌发的生态学特性研究 ..... 王明焱, 徐连杰, 杨利民(35)
- 球色对大白菜 VC 和可溶性固形物分布的影响 ..... 史庆馨, 聂 凯, 张军民, 等(38)
- 五个甘蓝自交系种株发育与开花结实特性研究 ..... 张 芳(40)
- 保加利亚辣椒新品种引种试验 ..... 赵 丹, 林 密, 曲红云, 等(43)
- 猪粪堆肥对不同种子发芽指数的影响 ..... 胡克伟, 贾冬艳, 郝长红, 等(45)

- 免耕生草对云南高原魔芋地温时空变化的影响 ..... 董广平,卢俊,彭磊(48)
- 樟树叶蛋白提取工艺及四季含量动态分析 ..... 王娜,褚衍亮,李静,等(51)

## ◆设施园艺◆

- 不同浓度营养液浸泡保水剂对黄瓜幼苗生长和光合作用的影响 ..... 夏庆平,吴晓蕾,宫彬彬,等(54)
- 温室甜樱桃采后叶片矿质营养含量变化 ..... 刘坤,赵岩,于克辉,等(57)
- 高寒区鲜枣设施促早栽培技术 ..... 陈奇凌,花东来,王东健,等(59)

## ◆栽培技术◆

### ☆菜园☆

- 娃娃菜覆膜栽培技术 ..... 马芳莉(61)
- 桔梗盆栽技术 ..... 石福高,王渭玲(62)
- 北京地区猫薄荷与有机葡萄间作高效栽培新技术 ..... 吴晓云,程建军,姚林啟(63)
- 沿祁连山冷凉地区花椰菜高效栽培技术 ..... 张俊峰,王志伟,张玉鑫(65)

### ☆果园☆

- 蓝莓缺失失绿症产生原因与防治技术 ..... 于强波,苏丹,孟凡丽,等(67)
- 李树矮化密植丰产栽培技术 ..... 张彦学(70)
- 西伯利亚白刺播种育苗技术 ..... 李振洲,陈真,刘晓慧,等(71)

### ☆瓜园☆

- 薄皮甜瓜主要缺素症的诊断与防治 ..... 贾健,杨兴福,杨兴安,等(68)

## ◆园林花卉◆

### ☆植物☆

- 芍药花芽分化期间营养物质与酶活性的变化 ..... 李静,郭绍霞(73)
- 不同栽培方式对高枝嫁接含笑开花的影响 ..... 王长龙,杨培新,林凯芳,等(76)
- 北方城市行道树电导率变化的研究 ..... 陈建中,葛水莲,袁微微,等(78)
- 植物生长调节剂对北美香柏木质化效果比较研究 ..... 张璐,崔文山,汪成成,等(81)
- 喷施赤霉素对野生马缨杜鹃光合作用日变化的影响 ..... 洪鲲,张习敏,乙引,等(84)

准噶尔盆地植被群落物种多样性与沙漠化防治 .....	占东霞,庄丽,田中平,等(87)
长沙市立交桥区环境对植物生长影响研究 .....	周君丽,张家洋,周勇(90)
盐胁迫对锦带花生长及光合特性的影响 .....	任志彬,聂庆娟,王志刚,等(93)

☆景观☆

水生植物在园林水景中的应用研究 .....	辛爽,王先杰(97)
渭河大荔段苏村生态景观规划设计 .....	彭雪林,弓弼,韩宏(101)
青藏高原东缘铁线莲属藏药植物资源调查 .....	巩红冬(104)
海岛矿山生态修复边坡植物多样性分析 .....	许小娟,朱凯华,尹金珠,等(106)
赣江源自然保护区药用观赏植物资源及其园林应用 .....	徐艳琴,刘勇,胡生福,等(110)

◆生物技术◆

油松成熟胚子叶-胚轴段的离体培养与不定芽诱导 .....	马佩,唐德瑞,王永波(114)
不同分组取样方法初步构建山葡萄核心种质的研究 .....	吴子龙,王军,沈育杰,等(117)
蝴蝶兰组培苗出瓶的研究 .....	谭巍(123)
碳源浓度对丽石黄衣组织培养的影响 .....	李昆朋,周广柱,年玉欣,等(125)
五种新品种多倍体萱草离体快繁技术研究 .....	宋雪莲,董然,赵和祥,等(127)
花椒 DNA 提取方法的研究 .....	李晓,杨途熙,魏安智,等(130)

◆植物保护◆

瑞香狼毒不同提取物防治油菜蚜虫室内试验 .....	孙奎(133)
桃小食心虫的发生与防治 .....	刘万达,赵伟(135)
番茄晚疫病抗性遗传规律研究 .....	张子君,邹庆道,李海涛,等(137)
45%多·福 WP 防治梨树黑星病效果研究 .....	单文荣,祁芳,霍春玲,等(139)

◆贮藏保鲜加工◆

1-MCP 处理对不同采收成熟度‘徐香’猕猴桃保鲜效果的影响 .....	辛付存,饶景萍,赵明慧,等(141)
氯吡苯脲处理对青花菜贮藏品质的影响 .....	吴三林,刘芳,陈秋如(145)
冷藏与辐照对山药保鲜效果的比较研究 .....	李长看,杨宗渠,曲金柱,等(148)

‘曼尼萨’百合保鲜研究..... 赵丽荣,吴 迪,王玉丽,等(151)

## ◆食用菌◆

草菇菌丝体液体培养条件的优化研究..... 金卫根(154)

## ◆中草药◆

十五味中草药醇提液的抗真菌活性研究..... 袁贵英,姬长新,焦 镭,等(156)

新型植物生长调节剂对北五味子农艺性状及生理指标的影响..... 郑永春,杨 铮(160)

不同种植密度对藏木香产量和品质的影响..... 包富贵,何淑玲(163)

广西佛手扦插苗分级标准的初步研究..... 黄雪彦,潘春柳,韦艳梅,等(165)

## ◆新品种选育◆

夏秋茬抗根结线虫番茄砧木“科砧2号”的选育..... 王学颖,王明耀,张桂海,等(169)

## ◆专题综述◆

玫瑰精油的开发利用..... 滕祥金,郝再彬,孟 滕(172)

大花蕙兰组织培养的研究进展及应用..... 常美花,王 莉,李文红(174)

我国花卉蓟马研究进展..... 黄 宇,鄧军锐,曹 平,等(178)

西瓜细菌性果斑病菌检测技术研究进展..... 郭立新(181)

## ◆农业经纬◆

“合村并建”背景下的德州花卉业发展思路..... 薛玉剑(184)

我国柑生产效率的数据包络分析..... 王志彬,汤荣丽,郭 斌(187)

浅谈我国目前农业传播中知沟理论的体现..... 袁 媛(191)

# NORTHERN HORTICULTURE

(Started in 1977, Half Monthly)

Total NO. 238, NO. 7(2011), The First Half of April

## Contents

### ◆Experimentation and Research◆

- Effects of  $\text{LaCl}_3$  and CPZ on Tonoplast  $\text{H}^+$ -ATPase and  $\text{H}^+$ -PPase Activities in Tomato Seedlings During Phosphate Ptarvation ..... XU Han-bing, ZENG Lei, SHAN Shu-hua, et al(1)
- Research on Dynamics of Soil Moisture Under Different Plant Pattern of Gravel-mulched Land ..... ZHANG Zhan-sheng, FU Xiao, KANG Jian-hong, et al(4)
- Compare of Introducing Different Eggplant Cultivar in Qinghai Province ..... DU Zhong-ping, NIE Shu-ming, TIAN Xiao-li(8)
- Effect on Physiological Characteristics of Three Varieties of Vegetables Seedling under  $\text{MgSO}_4$  and Composite Salt Coercion ..... YUAN Hong-juan, CHEN Li(11)
- Effect of Cultivation Medium of Spent Mushroom Compost of *Lentinus edodes* on Growth of Tomato Seedling ..... CHEN Jian-zhou, HE Jian-ling, YI Min, et al(15)
- Research on the Survey and Detection of Several Kinds of Main Grapevine Viruses in Shandong Province ..... WANG Sheng-ji, ZHAO Jiu-hua, SHANG You-fen, et al(20)

### ◆Research Notes◆

- Research on Occurrence Regularity of Frost on Vine in Manasi River Valley in Xinjiang ..... ZHANG Zhen-wen, CHEN Wu(24)
- Study on Seed Dormancy Characteristic and Eradication Method of the Wild Chinese Hawthorn ..... MIAO Wei-dong, HU Hui-ling, ZHOU Rui-jin, et al(27)
- Planting Structure and Flower Bud Differentiation of Forcing Culture for Ningxia Facility Red Globe Grape ..... ZHANG Juan, ZHANG Hai-jun, YANG Jian-ning, et al(29)
- Study on the Effect of Biodegradable Organic Wastes in Raise Seedling of Cucumber ..... LIANG Jin-feng, HUANG Lei, WANG Sheng-tao, et al(32)
- Study on the Ecological Characristics of Seed Germination of *Allium victorialis* L. .... WANG Ming-yan, XU Lian-jie, YANG Li-ming(35)
- Effects of Color Chinese Cabbage on Distribution of Vitamin C and Soluble Solids ..... SHI Qing-xin, NIE Kai, ZHANG Jun-min, et al(38)
- Study of Characteristics of Strong Growth and Flowering about Five Cabbage Plants ..... ZHANG Fang(40)
- Introduction Experiment of Bulgaria Pepper Varieties ..... ZHAO Dan, LIN Mi, QU Hong-yun, et al(43)
- Effect of Pig Manure during Composting on Germination Index of Different Seed ..... HU Ke-wei, JIA Dong-yan, HAO Chang-hong, et al(45)
- Effects of Natural Weedsing on Temporal Spatial Variation of Soil Temperature in Konjac Plantation in Yunnan Highland Region ..... DONG Guang-ping, LU Jun, PENG Lei(48)
- Dynamic Analysis on Extraction Technique and Four Seasons Content of Leaf Protein Concentrate from Camphor Trees ..... WANG Na, CHU Yan-liang, LI Jing, et al(51)

### ◆Facilities Horticulture◆

- Effects of Soaked CAA of Different Nutrient Solution on Growth and Photosynthesis of Cucumber Plug Seedlings ..... XIA Qing-ping, WU Xiao-lei, GONG Bin-bin, et al(54)
- Variation of Mineral Nutrient Elements for Postharvest Greenhouse Sweet Cherry Leaves ..... LIU Kun, ZHAO Yan, YU Ke-hui, et al(57)

### ◆Garden Design and Garden Plants◆

- Changes of Nutrient and Enzyme Activity during Flower Bud Differentiation in *Paeonia lactiflora* Pall. .... LI Jing, GUO Shao-xia (73)
- Effects of Different Cultivation methods on Flowering Habits of High Branch Grafting *Michelia figo* Spreng ..... WANG Chang-long, YANG Pei-xin, LIN kai-fang, et al(76)
- Study on the Change of Electrical Conductivity of Roadside Trees in the North of China ..... CHEN Jian-zhong, GE Shui-lian, YUAN Wei-wei, et al(78)
- Effect of Plant Growth Regulators on Lignification of *Thuja occidentalis* ..... ZHANG Lu, CUI Wen-shan, WANG Cheng-cheng, et al(81)
- Spraying Gibberellin<sub>3</sub> Affects Diurnal Courses of Photosynthesis of Wild *Rhododendron delavayi* ..... HONG Kun, ZHANG Xi-min, YI Yin, et al(84)

Species Diversity and Desertification Control of Desert Vegetation in the Southern Edge of Junggar Basin

..... ZHAN Dong-xia,ZHUANG Li,TIAN Zhong-ping,et al(87)

Influence of Ecological Environment for Plant of Overpass Space in Changsha ..... ZHOU Jun-li,ZHANG Jia-yang,ZHOU Yong(90)

Effect of Salt Stress on the Growth and Photosynthetic Characteristics of *Weigela florida* ..... REN Zhi-bin,NIE Qing-juan,WANG Zhi-gang,et al(93)

Research on the Application of the Aquatic Plants in the Waterscape ..... XIN Shuang,WANG Xian-jie(97)

Ecological Landscape Planning and Design of the Su Village in Dali Reach of Weihe River ..... PENG Xue-lin,GONG Bi,HAN Hong(101)

Investigation on Traditional Tibetan Medicine Plant Resources of *Clematis* in the Eastern of Qinghai-Tibet Plateau ..... GONG Hong-dong(104)

Plant Diversity Analysis on Repaired Side-slope of Mine in Islands ..... XU Xiao-juan,ZHU Kai-hua,YIN Jin-zhu,et al(106)

Investigation and Landscape Application of Medicinal and Ornamental Plants in Ganjiang River Source Nature Reserve  
..... XU Yan-qin,LIU Yong,HU Sheng-fu,et al(110)

◆Biotechnology◆

*In Vitro* Formation of Adventitious Buds From the Embryos' Cotyledon-epicotyl of *Pinus tabulaeformis* and Adventitious Buds Culture  
..... MA Pei,TANG De-rui,WANG Yong-bo(114)

Pilot Study on Establishment of Core Germplasm of *Vitis amurensis* by Different Grouping Method ..... WU Zi-long,WANG Jun,SHEN Yu-jie,et al(117)

Study on Tissue Culture Seedling of *Phalaenopsis amabilis* Outside of Bottle ..... TAN Wei(123)

Effects of Carbon Source Concentration to the Tissue Culture of *Xanthoria elegans* (link) Th. Fr  
..... LI kun-peng,ZHOU Guang-zhu,NIAN Yu-xin,et al(125)

Research on Rapid Propagation Technique of *Hemerocallis hybrida* Polyploid of 5 New Species ... SONG Xue-lian, DONG Ran,ZHAO He-xiang,et al(127)

Explore about the Method for Extracting DNA of *Zanthoxylum* L. .... LI Xiao,YANG Tu-xi,WEI An-zhi,et al(130)

◆Plant Protection◆

Indoor Tests Against Aphid Prevention by Isolation of Different *Stellera chamaejasme* Root Extracts ..... SUN Kui(133)

Inheritance of Resistance to Tomato Late Blight ..... ZHANG Zi-jun,ZOU Qing-dao,LI Hai-tao,et al(137)

◆Storage and Processing◆

Effects of 1-MCP Treatment on Preservation of 'Xuxiang' Kiwifruit with Different Maturity ..... XIN Fu-cun,RAO Jing-ping,ZHAO Ming-hui,et al(141)

Effects of CPPU on the Quality of *Brassica oleracea* L. ver. *Italica* Plenck ..... WU San-lin,CHEN Qiu-ru,LIU Fang(145)

Comparison on the Preservation Effect of Cold Storage and Irradiation of *Dioscorea opposita* Thunb  
..... LI Chang-kan,YANG Zong-qu,QU Jin-zhu,et al(148)

Study on Fresh-keeping of Cut 'Manissa' Flowers ..... ZHAO Li-rong,WU Di,ZHANG You-wei,et al(151)

◆Edible Fungi◆

Optimization of Straw Mushroom Mycelium Culture Conditions ..... JIN Wei-gen(154)

◆Chinese Traditional Medicine◆

Study on Antifungal Activity of Alcohol Extracts from 15 Kinds of Chinese Herbal Medicine ..... YUAN Gui-ying,JI Chang-xin,JIAO Lei,et al(156)

Effect of HKL-4 on Agronomy Character and Physiological Index of *Schisandra chinensis* ..... ZHENG Yong-chun,YANG Zheng(160)

Effect of Yield and Quality on Different Plant Density of *Inula helenium* L. .... BAO Fu-gui,HE Shu-ling(163)

Preliminary Study on Classification Standard of Bergamot Cutting Seedling in Guangxi ..... HUANG Xue-yan,PAN Chun-liu,WEI Yan-mei,et al(165)

◆New Variety Breeding◆

Selection and Breeding of Tomato Roots Stock "Kezhen No. 2" with Resistance to Root-knot Nematodes During the Summer and Autumn  
..... WANG Xue-ying,WANG Ming-yao,ZHANG Gui-hai,et al(169)

◆Summarize◆

The Exploitation of Volatile Oil ..... TENG Xiangjin,HAO Zai-bin,MENG Teng(172)

Research Advances and Application on the Tissue Culture of *Cymbidium hybridum* ..... CHANG Mei-hua,WANG Li,LI Wen-hong(174)

Research Advances on the Flower Thrips ..... HUANG Yu,ZHI Jun-ru,CAO Ping,et al(178)

Advances in Detection of *Acidovorax avenae* subsp. *citulli* ..... GUO Li-xin(181)

◆Agricultural Relavant Issues◆

DEA Empirical Analysis Based on Tangerines Production Efficiency in China ..... WANG Zhi-Bin,TANG Rong-li,GUO Bin(187)