

北方园艺

(1977 年创刊·半月刊)

BEI FANG YUAN YI

总第 236 期 2011 年第 5 期 3 月(上)

目 次

◆试验研究◆

- 生防菌剂与生物有机肥复配对黄瓜抗病促生效果的研究 刘会清,张爱香,马海莲,等(1)
- 长白山三种橐吾光适应性的初步研究 赵国禹,董 然,王守海,等(4)
- 不同整枝方式对秋季厚皮甜瓜品质、产量和延缓植株早衰的影响 苗立祥,陆鸿英,张豫超,等(9)
- 高二氧化碳环境对草莓有机酸及贮藏品质的影响 王宝刚,李文生,冯晓元,等(12)
- 三种树形对鲜黄梨果实糖分积累的动态变化过程影响 刘 燕,汪志辉,熊碧玲,等(17)

◆研究简报◆

- 植物营养剂对菜用马铃薯生理指标及块茎产量的影响 田 丰,张永成,张凤军,等(21)
- 套袋对水果型番茄果实生长发育的影响 武春成,曹 霞,毛秀杰,等(23)
- 辣椒疫霉菌拮抗木霉的筛选及抑菌机制研究 肖淑芹,薛春生,曹远银(26)
- 低温胁迫对矮斗菜脯氨酸和可溶性蛋白含量的影响 陈 菲(29)
- 梨早春育苗技术研究 冯霄汉(31)
- 平菇混合基质对水果黄瓜生长的影响研究 张志忠,钟建明,马琼媛,等(33)
- 超声波辅助法萃取马齿苋多糖的研究 余 蕾(36)
- 加工型白皮洋葱引种栽培示范及效益分析 杜万荣,春格力,许绍全,等(39)
- ‘森田尼无核’葡萄胚发育及败育的细胞学特征 潘学军,李顺雨,张文娥,等(41)
- 冬春季低温对葡萄越冬防寒及物候期的调查分析 商佳胤,田淑芬,李树海,等(44)

万方数据

2010年春夏季异常气候对酿酒葡萄的影响	温雪飞,黄式琳,王学敏(47)
不同施肥对深州蜜桃品质及产量的影响	范玉贞(49)
猕猴桃种子萌发特性研究	安成立,刘占德,刘旭峰,等(51)
核桃砧木不同处理方式对嫁接成活率及生长状态的影响	张怀龙,张杜娟,赵俊芳,等(54)

◆设施园艺◆

换头方式对温室番茄早熟性和商品品质的影响	边江,王梅,高志奎,等(56)
“黄星1号”甜椒品种在扬州地区春大棚栽培技术	吴慧(59)
宁夏干旱风沙区设施黄瓜早春茬栽培适应性比较研究	曲继松,冯海萍,张丽娟,等(60)
天水市日光温室秋冬茬无公害番茄高效栽培技术	唐瑞永,雷银川(63)
青海高原日光温室草莓无公害栽培技术	王生(65)
设施园艺技术发展动向	赵习矩,李进才(66)
北方型日光温室阳隙地种植利用模式	谢臣,屠岩峰(70)

◆栽培技术◆

☆菜圃☆

大蒜高产栽培技术	张志强(71)
香椿的矮冠密植丰产技术	崔向东,黄文萍,孙之巍(73)

☆果园☆

核桃树冻害发生原因及冻害预防对策	王玉兰,唐丽,岳朝阳,等(75)
北方蓝莓规范化种植技术	李根柱,王贺新(77)

◆园林花卉◆

☆植物☆

盐胁迫对四种冷季型草坪草萌发的影响	王娜,李海梅(79)
盐胁迫对紫花地丁种子萌发的影响	刘玉艳,于凤鸣,曹慧颖,等(82)
三个观赏芍药品种芍药苷含量的动态变化研究	康晓飞,郭先锋,许世磊,等(85)
不同光照条件对薄片变豆菜生长及光合特性的影响	蔡仕珍,李璟,李西,等(88)
不同浓度氮素对无土栽培一串红生长发育的影响	张述景,智利红,许文营(92)

叶面喷肥对美国红栎叶片蒸腾速率和胞间二氧化碳浓度影响的研究 李焕忠,张吉立(94)

压枝对二年生切花月季产量和质量的影响 黄承玲,周洪英,周 艳,等(97)

不同预处理对金银忍冬种子发芽率的影响 白 尧,兰爱琴,张国盛,等(100)

水分胁迫下两种卷柏抗旱性研究 刘 璇,周广柱,王晓磊,等(102)

人工授粉对不同品种孔雀草结实率的影响 高荣侠(105)

堇叶山梅花营养缺乏症状的研究 李金鹏,董 然,李亚慧,等(109)

蒸馏时间对肉桂油化学成分及加香效果的影响 田玉红,李日南,邹克兴,等(112)

硬叶兜兰的无菌播种和试管成苗 丁长春,李 蕾,夏念和(115)

海南百合科野生花卉资源研究 王士泉,马艾鸿,王丁灼(117)

四种挪威槭在沈阳地区的引种及适应性初探 吴 楠(119)

小陇山林区野生阔叶十大功劳资源开发利用 吕晓琴(121)

珠三角地区常见嗅觉类保健型园林植物种类简介 杨金凤,刘 念,韦松林(123)

水仙的栽培习性与雕刻水养技术 李银华(126)

衰弱园林树木的保护与复壮技术 段永照,郑 路(129)

☆景观☆

都汶高速公路岩石边坡植被恢复物种选择及评价 胡 森,李绍才,孙海龙,等(132)

青岛市居住区夏季植物景观评价 刘 颖,周春玲,安丽娟(136)

师宗县城行道树种评价与规划 张晓霞,段晓梅,樊国盛(141)

基于空间技术的云南青桐调查与潜在适宜地选择方法研究 闫海忠,吴兆录,吕 军,等(143)

浅析室内迷你水景 杨 琳,房剑锋,刘金霞(149)

康体园林植物群落设计探讨 陈 莉,秦 华,侯科龙,等(152)

◆生物技术◆

辣椒再生体系不定芽发生因素的优化研究 于 娅,孙 翔(155)

西葫芦果实整齐度主基因-多基因混合遗传分析 陈凤真(159)

氯钾离子共体诱导后黄瓜叶片内几种酶活性的变化 贾俊英,云兴福,王灵茂(162)

火龙果快速繁殖技术研究 杨红超,郑爱珍,汤正辉(167)

秦岭野生春兰组织培养过程中的褐化控制研究 王宝宁,张 显,宋军阳(169)

杜仲叶片愈伤组织诱导研究 张 颖,杨 舸,谢 海(173)

不同培养基及添加物对金线莲生长量的影响	王丽芳(175)
宽叶红门兰组织培养育苗研究	周 鑫(177)
基于主成分的三色堇聚类分析	杜晓华,刘会超,朱方方,等(180)
应用正交设计优化江南牡丹 RAPD-PCR 反应体系	范庆君,吕 慧,范义荣,等(185)

◆植物保护◆

李实蜂的发生危害和防治对策	衡雪梅,乔改梅,袁水霞,等(188)
美国越橘虫害的发生与防治	柳丽婷,易正鑫,安利佳(190)

◆食 用 菌◆

沼渣沼液对栽培榆黄蘑的影响	蒙健宗,陈伟超,秦 宇,等(192)
---------------------	--------------------

◆中 草 药◆

刺五加田间栽培光响应特性研究	李昌禹,王振兴,张庆田,等(195)
----------------------	--------------------

◆产业论坛◆

影响甘肃省金盏花产量的因素及其应对策略	谢忠清,王致和(198)
---------------------------	--------------

◆专题综述◆

氮肥引起的面源污染问题研究进展	王 红,张瑞芳,周大迈(201)
采后热处理影响果蔬贮藏品质机理的研究进展	李香玉,张新华,李富军,等(204)
洋葱引种生态学参数	裴宇航,孙 爽,徐生军,等(209)

◆农业经纬◆

有机蔬菜生产转换期创新技术配套与应用研究	赵荷仙,相元萍,刘 刚,等(213)
----------------------------	--------------------

NORTHERN HORTICULTURE

(Started in 1977, Half Monthly)

Total NO. 236, NO. 5(2011), The First Half of March

Contents

◆Experimentation and Research◆

- Study on the Growth Promoting and Disease Prevention Effect of Biological Control Fungus Applying with Organic Fertilizer to Cucumber in Greenhouse LIU Hui-qing, ZHANG Ai-xiang, MA Hai-lian, et al(1)
- Study on Light-adapted of Variations of Three *Ligularia* Cass in Long White ZHAO Guo-yu, DONG Ran, WANG Shou-hai, et al(4)
- Effects of Different Pruning Type on Muskmelon Fruit Quality, Yield and Retardation of Early-Senescence Cultivated in Autumn MIAO Li-xiang, LU Hong-ying, ZHANG Yu-chao, et al(9)
- Effect of High Carbon Dioxide Atmospheres on Organic Acid Metabolism and Qualities of Strawberry WANG Bao-gang, LI Wen-sheng, FENG Xiao-yuan, et al(12)
- Effect on the Processing of 'Sunhwang' Pear Sugar Accumulation under the Three Tree Systems LIU Yan, WANG Zhi-hui, XIONG Bi-ling, et al(17)

◆Research Notes◆

- Effect of Physical Signs and Tuber Yield of Potato in Vegetable under Plant Nutrients TIAN Feng, ZHANG Yong-cheng, ZHANG Feng-jun, et al(21)
- Effects of Bagging on Growth and Development of Tomato Fruit WU Chun-cheng, CAO Xia, MAO Xiu-jie, et al(23)
- Screening of Antagonistic *Trichoderma* and Inhibition Mechanism to *Phytophthora capsici* XIAO Shu-qin, XUE Chun-sheng, CAO Yuan-yin(26)
- Influence on Cold Resistance on the Contents of the Dissociative Praline and the Dissoluble Albumen of *Aquilegia vulgaris* CHEN Fei(29)
- Study on the Early Spring Seedling Technique FENG Xiao-han(31)
- Study on Effect of Oyster Mushroom Mixed Medium on Growth of Fruit Cucumber ZHANG Zhi-zhong, ZHONG Jian-ming, MA Qiong-yuan, et al(33)
- Ultrasonic Assisted Extraction of Polysaccharide from *Portulaca oleracea* L. YU Lei(36)
- Profit Analysis and Cultivation Demonstration of Introduction and Cultivation of Silver Skin Onion for Processing DU Wan-rong, CHUN Ge-li, XU Shao-quan, et al(39)
- Cytological Study on Embryo Development and Abortion in Stenospermocarpic Grapes PAN Xue-jun, LI Shun-yu, ZHANG Wen-e, et al(41)
- Investigation of Low Temperature on Grapes Wintering and Phenophase SHANG Jia-yin, TIAN Shu-fen, LI Shu-hai, et al(44)
- Influence of Spring-summer Abnormal Climate on Wine-making Grape in 2010 WEN Xue-fei, HUANG Shi-lin, WANG Xue-min(47)
- Effect of Different Fertilization on the Quality and Yield of Deep Sate of Peach FAN Yu-zhen(49)
- Study on Seed Germination Characteristics of Kiwifruit AN Cheng-li, LIU Zhan-de, LIU Xu-feng, et al(51)
- Study on The Grafted Survival and The Growth State with Different Treatment Methods of Walnut Rootstocks ZHANG Huai-long, ZHANG Du-juan, ZHAO Jun-fang, et al(54)

◆Facilities Horticulture◆

- Effect of Changing Head Methods on Early Maturity and Commodity Quality of Firm-Fleshed Tomato in Solar-Greenhouse BIAN Jiang, WANG Mei, GAO Zhi-kui, et al(56)
- Comparison on Adaptability of Cultivation Character of Cucumber in Arid-Sandstorm Area QU Ji-song, FENG Hai-ping, ZHANG Li-juan, et al(60)
- Trends of Technological Development of Protected Horticulture ZHAO Xi-heng, LI Jin-cai(66)

◆Cultivation Technique◆

- The Reasons and Preventions of Freeze Injury on Walnut Tree WANG Yu-lan, TANG Li, YUE Zhao-yang, et al(75)

◆Garden Design and Garden Plants◆

- Effects of Salt Stress on the Germination of 4 Cool-season Turfgrass WANG Na, LI Hai-mei(79)
- Effects of Salt Stress on Seed Germination of *Volia yedoensis* Makino LIU Yu-yan, YU Feng-ming, CAO Hui-ying, et al(82)

Study on the Dynamic Change of Paeoniflorin Content from Three Herbaceous Peony Cultivars	KANG Xiao-fei, GUO Xian-feng, XU Shi-lei, et al(85)
Effects of Different Light Condition on Growth and Photosynthetic Characteristics of <i>Sanicula lamelligera</i>	CAI Shi-zhen, LI Jing, LI Xi, et al(88)
Effects of Different Concentration of Nitrogen on Growth Developmenth of Soilless Culture of <i>Salvia splendens</i> Ker. -Gawl	
.....	ZHANG Shu-ying, ZHI Li-hong, XU Wen-ying (92)
Effect of Spray Application on <i>Cotinus coggygria</i> Atropurpureus Leaf Transpiration Rate and Interocellular Carbon Dioxide Concentration	
.....	LI Huan-zhong, ZHANG Ji-li(94)
Effect of Shoot-bending on the Quantity and Quality of Two-year Cut Rose	HUANG Cheng-ling, ZHOU Hong-ying, ZHOU Yan, et al(97)
Effect of Different Pretreatments on Seeds Germination of <i>Lonicera maackii</i>	BAI Yao, LAN Ai-qin, ZHANG Guo-sheng, et al(100)
Studies on Drought Stress of Two Kinds of <i>Selaginella</i> P. Beauv. Plants	LIU Xuan, ZHOU Guang-zhu, WANG Xiao-lei, et al(102)
Influence of Man-pollinating on Setting Percentage of Different Varieties <i>Tagetes patula</i>	GAO Rong-xia(105)
Studies on Nutrient Deficiency Symptoms of <i>Philadelphus schrenkii</i> Rupr.	LI Jin-peng, DONG Ran, LI Ya-hui, et al(109)
Influence of Distillation Time on the Composition of Essential Oil from <i>Cinnamomum cassia</i> Presl and Its Tobacco Flavoring Effect	
.....	TIAN Yu-hong, LI Ri-nan, ZOU Ke-xing, et al(112)
Aseptic Sowing and <i>in vitro</i> Seedling Culture of <i>Paphiopedilum micranthum</i> T. Tang & F. T. Wang	DING Chang-chun, LI Lei, XIA Nian-he(115)
Study on Wild Flower Resources of <i>Liliaceae</i> in Hainan	WANG Shi-quan, MA Ai-hong, WANG Ding-zhuo(117)
Primary Investigation on Introduction and Adaptability of 4 Species of <i>Acer plantanoides</i> in Shenyang Area	WU Nan(119)
Introduction of Common Healthcare Garden Plants of Olfactory Type in the Area of Pearl River	YANG Jin-feng, LIU Nian, WEI Song-lin(123)
Selection and Evaluation of Plant Species for Vegetation Restoration of Duwen Expressway Rock Slope	HU Miao, LI Shao-cai, SUN Hai-long, et al(132)
The Landscape Plants Evaluation on Residential Quarter of Qingdao in Summer	LIU Ying, ZHOU Chun-ling, AN Li-juan(136)
Evaluation and Ranking of Street Trees in Shizong County Town	ZHANG Xiao-xia, DUAN Xiao-mei, FAN Guo-sheng(141)
Mothed of Survey and Potential Appropriate Land Uses Choose of <i>Jatropha curcas</i> Based on Space Technology in Yunnan Province	
.....	YAN Hai-zhong, WU Zhao-lu, LV Jun, et al(143)
Analysis on the Mini Waterscape Indoor	YANG Lin, FANG Jian-feng, LIU Jin-xia(149)
Discussion on Community Design about the Care Landscape Plant	CHEN Li, QIN Hua, HOU Ke-long, et al(152)

◆Biotechnology◆

Optimization of Influencing Factors on Shoot Differentiation <i>in vitro</i> Plant Regeneration of Pepper	YU Ya, SUN Xiang(155)
Analysis of Fruit Uniformity Using Mixed Major Gene and Polygene Inheritance Model in Summer squash	CHEN Feng-zhen(159)
The Changes of Enzyme Activity Induced with Copolymer of Chlorine and Potassium Ions in Cucumber Leaf	
.....	JIA Jun-ying, YUN Xing-fu, WANG Lin-mao(162)
Rapid Propagation of <i>Hylocereus undatus</i>	YANG Hong-chao, ZHENG Ai-zhen, TANG Zheng-hui(167)
Studies on Browning of Regenerated System of Wild <i>Cymbidium goeringii</i> in QinLing	WANG Bao-ning, ZHANG Xian, SONG Jun-yang(169)
Study on Leaf Callus Induction of <i>Eucommia ulmoides</i>	ZHANG Ying, YANG Ge, XIE Hai(173)
Effect of Different Media and Additives on the Growth of the <i>Anoectochilus roxburghii</i>	WANG Li-fang(175)
Study on Tissue Culture of <i>Orchis latifolia</i> Linn.	ZHOU Xin(177)
Clustering of Pansy Accessions Based on Principal Component Analysis	DU Xiao-hua, LIU Hui-chao, ZHU Fang-fang, et al(180)
Optimization of the RAPD-PCR Reaction System of <i>Peonia suffruticosa</i> by Orthogonal Design	FAN Qing-jun, LV Hui, FAN Yi-rong, et al(185)

◆Plant Protection◆

Occurrence and Control of Blueberry Insect Damage in the USA	LIU Li-ting, YI Zheng-xin, AN Li-jia(190)
--	---

◆Edible Fungi◆

Reaserch on <i>Pleurotus citrinopileatus</i> Cultivated with Biogas Residue and Biogas Slurry	MENG Jian-zong, CHEN Wei-chao, QIN Yu, et al(192)
---	---

◆Chinese Traditional Medicine◆

Study on Character of Light of <i>Acanthopanax senticosus</i> in Field Culture	LI Chang-yu, WANG Zhen-xing, ZHANG Qing-tian, et al(195)
--	--

◆Summarize◆

Current Situations and Research Progress of Non-point Pollution Problems Caused by Nitrogen	WANG Hong, ZHANG Rui-fang, ZHOU Da-mai(201)
Review on the Effects of Post-harvest Heat Treatment on The Fruit and Vegetable Storage Quality	
.....	LI Xiang-yu, ZHANG Xin-hua, LI Fu-jun, et al(204)
Ecological Parameters for Trial Planting of Onion(<i>Allium cepa</i> L.)	PEI Yu-hang, SUN Shuang, XU Sheng-jun, et al(209)