

北方园艺

(1977年创刊·半月刊)

BEI FANG YUAN YI

总第235期 2011年第4期 2月(下)

目 次

◆试验研究◆

- 水肥耦合对生菜产量的影响研究 徐岩,于海业,张蕾(1)
中国南瓜自交系112-2对白粉病的抗性鉴定 周俊国,扈惠灵,李新峰,等(5)
不同栽培基质对番茄植株长势、果实品质及产量的影响 肖艳辉,何金明,陈明威,等(9)
五个猕猴桃新品种的引进筛选研究 金方伦,黎明,韩成敏,等(12)
干旱区戈壁地滴灌葡萄园土壤水分时空变化研究 李铭,张建新,郭绍杰,等(17)
⁶⁰Co-γ射线对李花粉辐射效应的研究 尚霄丽,杜保伟,方庆,等(21)
加工番茄果实糖分含量的变化 宋曼曼,韩广泉,樊新民,等(24)
叶、果水势和叶片光合指标对黄金梨黄顶病发病的影响 李志军,王然(29)
三十烷醇对草莓光合特性影响的初步研究 滑昕,张立,汪一萌,等(33)

◆研究简报◆

- 土壤水分对结球甘蓝农艺性状及产量品质的影响 张东昱,李建华,周晓丽,等(37)
干燥方法与萃取压力对罗勒芳香油萃取的影响 任吉君,王艳,周荣,等(39)
氮素浓度及形态对韭菜硝酸盐及硝酸还原酶活性的影响 卢凤刚,陈贵林(41)
种子春化对不同品种大白菜当年现蕾和开花的影响 张作青,于丽杰(44)
三种化感物质对白菜种子萌发的影响 欧俊,韩春梅(46)
白菜软腐病拮抗菌M-14抗菌物质产生条件研究 张雪辉,唐蕊(48)

苦菊无土栽培试验	徐伟君,张九东,李楠(50)
东风菜光合特性的研究	贾欣娟,冯玉才(52)
三种催腐菌剂对草屑催化腐熟的影响	苏卫国,曹利祥,袁方,等(55)
配方施肥对柴达木地区洋葱产量的影响	肖爱国(59)
伊品复混肥对宁冠苹果品质与产量的影响	窦云萍,王春良,高建新,等(61)
1-MCP处理对“岳帅”苹果货架品质的影响	郭丹,郝义,韩英群(63)
红富士苹果郁闭园间伐试验	刘新江,王明涛,陈玉玲,等(65)
桂东大山楂嫁接育苗技术初探	曲芬霞(67)

◆设施园艺◆

日光温室人参果引种试验初报	赵菊莲,张永明,王锦峰(69)
日光温室草莓立体栽培研究	董静,张运涛,王桂霞,等(71)
不同灌水量对日光温室辣椒土壤水分动态变化的影响	孔德杰,郑国保,张源沛,等(73)

◆栽培技术◆

☆菜园☆

长白山葱生长习性及栽培技术	张忠宝,刘丽艳,许善花(76)
---------------	-----------------

◆园林花卉◆

☆植物☆

美国白蜡扦插育苗技术	叶景丰,潘文利,范俊岗,等(78)
雀麦干燥染色技术研究	吕学龙,刘庆华,刘庆超,等(80)
极端光照长度下新铁炮百合的对比研究	刘伟,刘久东,周厚高(82)
硫酸锌对黑麦草种子萌发的影响	于凤鸣,刘玉艳,张海荣(85)
矮牵牛耐盐生理特性研究	郭金耀,杨晓玲(88)
光照、温度等因子对卷丹百合种子萌发特性影响	方晶(91)
修剪留茬高度对沟叶结缕草生长的影响	何淑玲,马令法(93)
不同基质、营养钵规格对白榆实生苗生长的影响	李宏,姜翠(95)
野生观赏植物光枝勾儿茶人工育苗的初步研究	李朝政,陈晓德,徐洪辉,等(100)

百合栽培品种群的种质特征和品质调查	郝瑞娟,王周锋,穆 鼎(103)
金盏花春秋棚杂交制种技术操作规程	张肖凌,王致和,韩钟英(105)
摘心对切花菊的腋芽萌发性状及内源 GA ₃ 浓度的影响	屈连伟,印东生,苏胜举,等(107)
多叶羽扇豆种子成熟度和烫种对发芽的影响	庞运元,李婷婷,崔严葡(111)
凤梨的栽植与养护技术	马金萍(113)

☆景观☆

红豆杉绿化观赏价值评价	李 霞,张宗勤,常利平,等(114)
云南山茶花的观赏特性及园林应用	林海君(119)
开放式公共绿地使用状况评价	苗 琳,吕 锐,范晓琳,等(121)
北京小龙门森林公园野生花卉资源评价与应用分析	姚 蕾,黄 琳,汪文涛,等(124)
节约型城市园林绿化理论的应用	张文杰,周 凯(128)
湖南省薰草属植物资源及其园林应用前景	颜玉娟,孙建月(131)
废弃垃圾场改造成城市公园景观初探	田大方,赵志诚(135)

◆生物技术◆

光照强度和氮素配比对葡萄试管苗氮素代谢的影响	范秀艳(138)
不同激素水平对蓝莓增殖的影响	张彩玲,朱延明(141)
枸杞优良新品系 NQ-2 小孢子发生和雄配子体发育	王娅丽,倪细炉,田 英,等(143)
亚洲百合‘普瑞头’的组织培养及休眠小鳞茎获得的研究	周蕴薇,刘艳萍,岳莉然,等(146)
“洛阳红”牡丹叶片多糖提取条件的研究	朱 月,毕晓丹,赵雪梅(149)
金盏花快繁技术研究	张梅秀,臧广鹏,张秀华,等(151)
大岩桐的组培快繁及其产业化技术研究	李建民,文清成,吕守成,等(153)
番茄“白果强丰”子叶再生体系的建立	李立芹(155)
铜胁迫对蚕豆幼苗基因组 DNA 损伤效应的研究	苟本富(158)
南昆山莪术的组培快繁技术研究	张施君,刘 念,盛爱武,等(161)

◆植物保护◆

大连地区蓝莓害虫及防治技术	柳丽婷,易正鑫,安利佳(164)
西瓜种子生产中果腐病的防治技术	周 黎,丁建军,戴志新(166)

- 北方果树害虫的发生与防治趋势浅析 张帆,郭晓军,张君明(167)
链格孢菌粗毒素对月季的伤害及对月季长管蚜影响 李莉,杨斌(169)

◆贮藏保鲜加工◆

- 蔗糖浓度对非洲菊切花保鲜效果及生理特性的影响 邱葆,张钢,陈段芬(172)
紫甘蓝双孢菇复合饮料的研制 荆亚玲,阎立江,刘建萍,等(176)
浆水芹菜自然和接种发酵过程中有机酸的变化 何玲,杨公明(179)
生境条件对刺五加生长和药用成分含量影响的研究进展 崔立勇,佟庆,梁成斌,等(182)

◆食用菌◆

- 黑木耳形态发育研究的概述 张鹏,姚方杰,王立军,等(185)
贺兰山紫蘑菇多糖的分离与纯化 杨振华,张靠稳,马爱瑛(187)
培养基优化提高灰树花菌丝体的研究 王玉,李政,郝利民,等(190)
不同无机盐离子对平菇菌丝体生长的影响 郭美兰,穆俊祥,高喜叶,等(192)

◆中草药◆

- 香鳞毛蕨提取工艺的正交优化设计 樊锐锋,黄庆阳,常缨(194)
药用植物红大戟快速繁殖技术研究 黄浩,文学,韦莹,等(196)
蛹虫草液体菌种培养基的优化 徐方旭,刘诗扬,王升厚(199)

◆新品种选育◆

- 韭菜品种“廊韭6号”的选育 张桂海,王明耀,王学颖,等(202)

◆专题综述◆

- 植物类黄酮生物合成的分子调控 郭欣慰,黄丛林,吴忠义,等(204)
空气凤梨对气体污染物的监测和修复 郑桂灵,王思维,李鹏(208)

NORTHERN HORTICULTURE

(Started in 1977, Half Monthly)

Total NO. 235, NO. 4(2011), The Second Half of February

Contents

◆Experimentation and Research◆

- Effect of Water-fertilizer Coupling on Yield of *Lactuca sativa* L. in Greenhouse XU Yan,YU Hai-ye,ZHANG Lei(1)
Verification of Powdery Mildew Resistance to a *Cucurbita moschata* Inbred Line '112-2' ZHOU Jun-guo,HU Hui-ling,LI Xin-zheng, et al(5)
Effect of Different Substrates on Plant Growth,Fruit Quality and Yield of Tomato XIAO Yan-hui,HE Jin-ming,CHEN Ming-wei, et al(9)
Study of the Screening and introducing of 5 Kiwi New Species Cultivars JIN Fang-lun, LI Ming, HAN Cheng-ming, et al(12)
Study on Space-time Change Soil Water of Grapery Under Drip Irrigation in Arid Desert Gobi Area LI Ming,ZHANG Jian-xin,GUO Shao-jie, et al(17)
Radiated Effect of $^{60}\text{Co}-\gamma$ on Pollen of *Prunus salicina* Linn. SHANG Xiao-li,DU Bao-wei,FANG Qing, et al(21)
Study on Sugar Content Changes of Processing Tomato Fruit SONG Man-man,HAN Guang-quan,FAN Xin-min, et al(24)
Effects of Leaf and Fruit Water Potential and Photosynthetic Traits on Huangding Disease of Whangkeumbae Fruit LI Zhi-jun,WANG Ran(29)
Preliminary Research on Physiological Effects of Different Triacontanol on Strawberry HUA Xin,ZHANG Li,WANG Yi-meng, et al(33)

◆Research Notes◆

- Influence of Soil Moisture on Agronomic Traits , Yield and Quality of Cabbage ZHANG Dong-yu,LI Jian-hua,ZHOU Xiao-li, et al(37)
Effect of Dry Method and Extraction Pressure on Extraction Volatile Oil in Basil REN Ji-jun,WANG Yan,ZHOU Rong, et al(39)
Effects of Nitrogen Concentrations and Different Nitrogen Forms on Nitrate Content and Nitrate Reductase of Chinese Chive
..... LU Feng-gang,CHEN Gui-lin(41)
Vernalization of Seeds Effects on Bolting and Flowering of Different Varieties Chinese Cabbage on the Year ZHANG Zuo-qing ,YU Li-jie(44)
Effect of Three Type Allelochemical on Seed Germination of Cabbage OU Jun,HAN Chun-me(46)
Study on the Anti-bacteria Producing Conditions of M-14 Strain Against Chinese Cabbage Soft Rot ZHANG Xue-hui,TANG Rui(48)
Study on Soilless Cultivation Technique of *Sonchus arvensis* XU Wei-jun,LI Jiu-dong,LI Nan(50)
Studies on Photosynthetic Characteristics of *Doellingeria scaber* JIA Xin-juan,FENG Yu-cai(52)
Effect of Three Microbial Inoculums for Compost on the Catalytic Decomposition of Mowed Grass SU Wei-guo,CAO Li-xiang,YUAN Fang, et al(55)
3414 Fertilizer Formula on Yield of Onion in Qaidam Region XIAO Ai-guo (59)
Effects of E'ppens Media Mix on Quality and Output of Ningguan Apples DOU Yun-ping,WANG Chun-liang,GAO Jian-xin, et al(61)
Effect of 1-MCP Treatment on Shelf-life Quality of the 'Yueshuai' Apples GUO Dan,HAO Yi,HAN Ying-qun(63)
Study on Shade Garden of Fuji Apple by the Method of Intermediate Cutting LIU Xin-jiang,WANG Ming-tao,CHEN Yu-ling, et al(65)
Preliminary Research on Graft Technology of Eastern Guangxi *Crataegus pinnatifida* Bge QU Fen-xia(67)

◆Facilities Horticulture◆

- Study on Introduction of Ginseng Fruit in Greenhouse ZHAO Ju-lian,ZHANG Yong-ming,WANG Jin-feng(69)
Study on Strawberry Multi-layer Cultivation in Greenhouse DONG Jing,ZHANG Yun-tao,WANG Gui-xia, et al(71)
Different Irrigation on Solar Greenhouse Pepper Dynamic Changes of Soil Moisture KONG De-jie,ZHENG Guo-bao,ZHANG Yuan-pei, et al(73)

◆Garden Design and Garden Plants◆

- Cuttage Propagation Technique of *Fraxinus americana* YE Jing-feng,PAN Wen-li,FAN Jun-gang, et al(78)
Study on Dyeing Technology about *Bromus japonica* Dry Flower LV Xue-long,LIU Qing-hua,LIU Qing-chao, et al(80)
Contrastive Study on Soluble Sugar Content of *Lilium formolongi* under Extreme Light Length Condition LIU Wei,LIU Jiu-dong,ZHOU Hou-gao(82)
Effects of ZnSO_4 on Seed Germination of *Lolium perenne* YU Feng-ming,LIU Yu-yan,ZHANG Hai-rong(85)
Study on Salt-tolerant Physiological Characteristics of *Petunia hybrida* GUO Jin-yao,YANG Xiao-ling(88)
Effect of Cut Heights on Growth of *Zoysia matrella* (L.) Merr. HE Shu-ling,MA Ling-fa(93)

Effects of Different Substrates and Nutritive Cup on Growth of <i>Ulmus pumila</i> Seedling	LI Hong, JIANG Cui(95)
Preliminary Study on Artificial Seedling Rearing of Wild Ornamental Plant of <i>Berchemia polypyphylla</i> var. <i>leioclada</i> .....	..... LI Chao-zheng, CHEN Xiao-de, XU Hong-hui, et al(100)
Investigation on Germplasm Characteristics and Quality of Lily Cultivar Varieties	HAO Rui-juan , WANG Zhou-feng, MU Ding(103)
Operating Regulation of Hybrid Marigold in the Spring and Autumn Shed	ZHANG Xiao-ling, WANG Zhi-he, HAN Zhong-ying(105)
Effect of Pinching on Axillary Buds Characters and the Concentration of Endogenous GA ₃ of Cut Chrysanthemum .....	..... QU Lian-wei, YIN Dong-sheng, SU Sheng-ju, et al(107)
Effect of Seed Maturity and Soak Seed in Boiling Water on Seed Germination of <i>Lupinus polyphylla</i>	PANG Yun-yuan, LI Ting-ting, CUI Yan-pu(111)
Ornamental Potential Evaluation of <i>Taxus</i> spp. ....	..... LI Xia, ZHANG Zong-qin, CHANG Li-ping, et al (114)
Post Occupancy Evaluation of Open Type Public Green Space	MIAO Kun, LV Rui, FAN Xiao-lin, et al(121)
Investigation and Evaluation on Wild Flower Plant of Xiaolongmen National Forest Park in Beijing	YAO Bei, HUANG Lin, WANG Wen-tao, et al(124)
Application of Conservation-oriented Urban Green Space Theory .....	..... ZHANG Wen-jie, ZHOU Kai(128)
Germplasm Resources of <i>Scirpus</i> in Hunan Province and Its Application in Landscape Architecture	YAN Yu-juan , SUN Jian-yue(131)

◆ Biotechnology ◆

Effect of Light Intensity and Nitrogen Ratios on Metabolism of Nitrogen of Grape Plantlets <i>in vitro</i>	FAN Xu-yan(138)
Effect of Different Hormone on Proliferation of Blueberry .....	..... ZHANG Cai-ling, ZHU Yan-ming(141)
Microsporogenesis and Development of Male Gametophyte of <i>Lycium barbarum</i> L. NQ-2	WANG Ya-li, NI Xi-lu, TIAN Ying, et al(143)
Tissue Culture of the Asiatic Hybrids and the Dormancy of Bulblets Generated <i>in vitro</i>	ZHOU Yun-wei, LIU Yan-ping, YUE Li-ran, et al(146)
Research on Extraction Condition of Polysaccharide of 'LuoYanghong' <i>Paeonia suffruticosa</i> Leaves	ZHU Yue, BI Xiao-dan, ZHAO Xue-mei(149)
Study of Tissue Culture of <i>Tagetes erecta</i> L.	ZHANG Mei-xiu, ZANG Guang-peng, ZHANG Xu-hua, et al(151)
Study on Rapid Propagation and Industrial Procedure of <i>Sinningia speciosa</i> .....	..... LI Jian-min, WEN Qing-cheng, LV Shou-cheng, et al(153)
Study on Regenerative System of Tomato Species .....	..... LI Li-qin(155)
Study on DNA Damages in <i>Vicia faba</i> Seedlings Under Copper Stress .....	..... GOU Ben-fu(158)
Study on Tissue Culture and Rapid Propagation of <i>Curcuma nankunshanensis</i>	ZHANG Shi-jun, LIU Nian, SHENG Ai-wu, et al(161)

◆ Plant Protection ◆

Common Blueberry Insect Pests and Control Measures .....	..... LIU Li-ting, YI Zheng-xin, AN Li-jia(164)
Effect of Crude Toxins from <i>Alternaria</i> sp on the Rose Seedlings and Rose Aphids .....	..... LL Li, YANG Bin(169)

◆ Storage and Processing ◆

Effect of Sugar Concentration on Fresh Keeping and Physiology Characteristic of <i>Gerbera jamesonii</i> Cut Flower .....	..... DI Bao, ZHANG Gang, CHEN Duan-fen(172)
Development of Compound Beverage with <i>Agaricus Bisporous</i> Mushroom and Purple Cabbage	JING Ya-ling, YAN Li-jiang, LIU Jian-ping, et al(176)
Change of Organic Acids During Jiangshui Celeries Spontaneous and Inoculating Fermentation	HE Ling, YANG Gong-ming(179)
Research Progress of Environmental Factors on Growth and Medicinal Components of <i>Acanthopanax</i> .....	..... CUI Li-yong, TONG Qing, LIANG Cheng-bin, et al(182)

◆ Edible Fungi ◆

Overview of Morphological Development about <i>Auricularia auricula</i>	ZHANG Peng, YAO Fang-jie, WANG Li-jun, et al(185)
Isolation and Purification of Polysaccharides from <i>Cortinarius rufo-olivaceus</i>	YANG Zhen-hua, ZHANG Kao-wen, MA Ai-ying (187)
Study on Improving Mycelium of <i>Grifola frondosa</i> by Optimization of Medium	WANG Yu, LI Zheng, HAO Li-min, et al (190)
Effect of Different Inorganic Ion on Growth of <i>Pleurotus ostreatus</i> Mycelium	GUO Mei-lan, MU Jun-xiang, GAO Xi-ye, et al(192)

◆ Chinese Traditional Medicine ◆

Comparative Studies on the Excellent Technologica Designing and Effects of Antimicrobia of <i>Dryopteris fragrans</i> (L.)Schott .....	..... FAN Rui-feng, HUANG Qing-yang, CHANG Ying(194)
Study on Rapid Propagation of Medicinal Plant, <i>Knoxia valerianoides</i> Thorel ex Pitard	HUANG Hao, WEN Xue, WEI Ying, et al(196)
Liquid Medium for Optimization of <i>Cordyceps militaris</i>	XU Fang-xu, LIU Shi-yang, WANG Sheng-hou(199)

◆ Summarize ◆

Molecular Regulation of Plant Flavonoid Biosynthesis Pathway	GUO Xin-wei, HUANG Cong-lin, WU Zhong-yi, et al(204)
Biomonitoring and Control of Air Pollutants with Air Plant <i>Tillandsia</i>	ZHENG Gui-ling, WANG Si-wei, LI Peng(208)