

中国学术期刊(光盘版)全文收录期刊

美国化学文摘社(CAS)收录期刊

北方园艺

NORTHERN HORTICULTURE

中文核心期刊

黑龙江省优秀期刊

中国北方优秀期刊

全国优秀农业期刊

黑龙江省农业科学院
黑龙江省园艺学会

主办

17
2012

总第272期
9月(上)

北方园艺

(1977 年创刊·半月刊)

BEI FANG YUAN YI

总第 272 期 2012 年第 17 期 9 月(上)

目 次

◆试验研究◆

- 全生育期菊芋不同器官果聚糖积累分配特征研究 钟启文,王丽慧,李 屹,等(1)
- 不同沟垄种植形式对旱坡地南瓜生长及产量的影响 傅永斌,任全军,奚玉银,等(5)
- 大白菜与花椰菜种间杂交结实性调查 郭晓芹,仪泽会,惠麦侠,等(8)
- 聚丙烯酰胺不同施用方式对土壤水分和番茄生长的影响 张 蕊,于 健,耿桂俊,等(11)
- 脱落酸和 2,4-表油菜素内酯对葡萄成熟过程中果实内源激素含量的影响 马立娜,惠竹梅,高 翔,等(16)
- 两种桃树树形冠层参数变化及对产量和品质的影响 肖 龙,陈海江,邸 葆,等(20)
- 同期播种不同规格番茄穴盘苗定植后生长发育研究 张馨宇,王永成,吕书文,等(24)
- 壳低聚糖浸种对镉胁迫下小白菜幼苗部分生理生化特性的影响 肖 丽,匡银近,覃彩芹(27)

◆研究简报◆

- 不同嫁接方法对美国山核桃成活率及苗木生长比较研究 李淑芳,杨建华,范志远,等(30)
- 外源一氧化氮对盐胁迫下山葡萄叶片叶绿素荧光特性的影响 赵 滢,王振兴,艾 军,等(33)
- 库尔勒香梨的商品性状分析 何子顺,任 红,张 峰,等(36)
- 邢台山区野生酸枣叶成分测定及开发利用 王僧虎,石晓云(39)
- 大蒜套种萝卜对萝卜病害及品质的影响 冉茂林,彭化贤,刘独臣,等(41)
- 早熟甘蓝主要农艺性状的综合评价 任喜波,高金远,戴希尧,等(44)

杨凌示范区蔬菜中重金属污染分析与评价 马文哲,王文光,吴春霞,等(46)

◆设施园艺◆

Venlo 型联栋玻璃温室温湿度动态模型研究 马万征,李忠芳,章芳定,等(49)

六种新型水溶肥料对日光温室油桃品质及经济效益影响 易玉林(52)

提高日光温室蔬菜产量和效益的措施 陈晓波(55)

◆栽培技术◆

☆瓜园☆

春季早熟嫁接西瓜栽培技术..... 贾利元,刘艳侠,杨长青(57)

☆果园☆

北方山葡萄大田优质高产栽培技术 杨淑艳(61)

☆菜园☆

北方长日型圆葱高产栽培技术 黄峰华(63)

◆园林花卉◆

☆植物☆

微生物对煤矿区适生植物污染修复的作用 郭友红(65)

硫酸铜乳胶漆制剂对银荆容器播种苗生长的影响 高焕章,赵振军,尹前进,等(68)

干热胁迫下六种景天植物的形态特征及生理响应 张文娟,李连国,郭金丽,等(71)

适宜兰州地区推广应用的五种优良抗旱地被植物 李星耀,杨永花(76)

大连市草坪主要病害发生特点与可持续治理措施 王建梅,胡慧芳(78)

十九种植物净化生活污水总氮及总磷能力的比较 赵 妍,王旭和,戚继忠(81)

文山野生淡黄花百合生物学特性及其应用 刘 伟(85)

温度和赤霉素对圆叶牵牛种子萌发的影响 叶景学,孙桂波,纪海彬(88)

铁炮百合花挥发油不同提取方法的 GC-MS 研究 李 红,常 健,赵 健,等(90)

纯天然植物生长调节剂“爱密挺”对小叶黄杨抗寒性的影响 李瑞琴,于安芬,赵有彪(94)

湿地植物对含油污水适应能力筛选 胡 舒,肖 昕,贾含帅(97)

咸宁桂花品种分类调查研究 王振启,陈洪国(101)

☆景观☆

浅析热带城市儿童户外游戏活动空间设计 杨奕嘉,许先升(105)

坡屋顶绿化示范模型的展示研究 张 斌,杨传祥(110)

◆生物技术◆

不同光质对喜树愈伤组织形成及分化潜质影响 陈 博,陈哲皓,王利琳,等(112)

白菜黄烷酮-3-羟化酶基因的电子克隆与序列分析 马 光,梁菲菲,郭继平,等(116)

黑果腺肋花楸组培苗增殖的初步研究 高晔华,郭朋伟,吴荣哲(119)

铁线蕨孢子离体繁殖技术研究 叶 飞,建德锋(122)

不同品种野生软枣猕猴桃最佳组培方法的研究 刘延吉,郝桂杰,姜岩岩,等(124)

◆植物保护◆

地黄枯萎病拮抗菌 S15 发酵条件的初步研究 张艳丽,高玉红,李洪连(127)

53%多菌灵·中生菌素可湿性粉剂防治苹果轮纹病药效试验 雷 琼,马文哲(129)

延安苹果产区主要病虫害发生与防治措施 李春霞,任小兵,张李明,等(131)

七种药剂对朱砂叶螨室内毒力测定及田间药效试验 王泽华,魏书军,石宝才,等(135)

新型纯中药生物制剂对番茄黄化曲叶病病毒的田间药效试验 王承香,刘振龙,于小换(139)

光肩星天牛危害糖槭的发生规律与防治技术 王海涛,张铁成,秦运宏,等(141)

弹尾虫对食用菌的危害及防治 孙 元(143)

红枣裂果病防控技术..... 张桂然,王振亮,李开森,等(145)

◆食 用 菌◆

林地套种竹荪高产栽培技术研究 苏德伟,罗海凌,林 辉,等(149)

◆中 草 药◆

苗用型土人参露地栽培技术 王淑慧,王 磊,王 庆(126)

银杏种子繁殖技术研究..... 李然红,于丽杰,安文和,等(151)

五味子果实不同成熟期微量元素的测定..... 张 影,王钰博(153)

铁皮石斛人工种子包衣技术研究 曾颖苹,朱乾坤,王万军(155)

青叶胆总黄酮提取方法研究..... 张 虹,计红旭,张江梅,等(159)

半夏组培苗的生根与移栽技术研究 刘 洋(161)

◆贮藏保鲜加工◆

短紫外线处理对冬枣果实腐烂和品质的影响 李 宁,关文强,阎瑞香(163)

不同包装方式对 1-MCP 处理“富士”苹果保鲜效果的影响 吴小华,颀敏华,张永茂,等(165)

不同保鲜剂处理对油豆角采后生理品质的影响 张 鹏,李江阔,张 平,等(168)

臭氧处理对冬枣果实多酚氧化酶和过氧化物酶活性的影响 李梦钗,冯 薇,葛艳蕊,等(171)

◆土壤与肥料◆

改良剂对镉及铅污染土壤中塌地乌品质的影响 李鹰翔,吕金印,王 帅,等(173)

几种配方肥对“巨峰”葡萄坐果率与果实品质的影响 宁鹏飞,张军贤,王 丹,等(176)

不同氮磷配比对旱作土壤养分和油葵产量的影响 王晓军,何文寿,马廷吉,等(179)

乙酸-乙酸钾缓冲溶液对苜蓿草吸收土壤中铬离子的影响研究 金兰淑,贾成楠,高湘骥,等(183)

硼肥对苋菜生长及品质的影响 李洪波,王廷芹,刘檀润(187)

◆专题综述◆

洋葱细胞质雄性不育研究进展 周晓娟,赵 瑞,王永勤(190)

食药菌多糖的药理作用及开发利用研究 陈世通,白建波,李梦杰,等(195)

消落带土壤环境研究进展 艾丽皎,吴志能,张银龙(199)

枣树抗寒性研究进展..... 党瑞红,黄爱荣,李新祥,等(204)

◆农业经纬◆

山东省蔬菜质量安全体系存在的问题及对策研究 薛其勤,李美芹,吕金浮,等(207)

NORTHERN HORTICULTURE

(Started in 1977, Half Monthly)

Total NO. 272, NO. 17(2012), The First Half of September

Contents

◆ Experimentation and Research ◆

Jerusalem Artichoke Fructan Accumulation and Distribution Characteristics in Different Organs of the Whole Growth	ZHONG Qi-wen ,WANG Li-hui,LI Yi,et al(1)
Effects of Different Ridge Planting Patterns on Growth and Yield of Pumpkin in Sloping Dryland	FU Yong-bin,REN Quan-jun,XI Yu-yin,et al(5)
Study of Seed Characteristics from Interspecific Hybridization between Chinese Cabbage and Cauliflower	GUO Xiao-qin, YI Ze-hui, HUI Mai-xia,et al(8)
Effects of PAM with Different Application Methods on Soil Moisture and Tomato Growth	ZHANG Rui,YU Jian,GENG Gui-jun,et al(11)
Effects of Absciscic Acid and 2,4-Epibrassinolide on the Endogenous Content of Plant Hormone of Berries in the Process of Grape Ripening	MA Li-na,XI Zhu-mei,GAO Xiang,et al(16)
The Changes in Canopy Parameters and the Effect of Yield and Quality by Two Kinds of Peach Tree Shape	XIAO Long,CHEN Hai-jiang,DI Bao,et al(20)
Study on the Growth and Development after Different Size of Tomato Plug Seedlings Transplanted on Same Sowing Time	ZHANG Xin-yu,WANG Yong-cheng,LV Shu-wen,et al(24)
Influence of Oligochitosan on Some Physiological and Biochemical Characteristics of Chinese Cabbage under the Stress of Cadmium	XIAO Li,KUANG Yin-jin,QIN Cai-qin(27)

◆ Research Notes ◆

Study on the Survival Rate of Different Grafting Method and Seedling Growth of <i>Carya illinoensis</i>	LI Shu-fang,YANG Jian-hua,FAN Zhi-yuan,et al(30)
Effects of Exogenous Nitric Oxide on Chlorophyll Fluorescence Characteristics in <i>Vitis amurens</i> Leaves Under Salt Stress	ZHAO Ying,WAND Zhen-xing,AI Jun,et al(33)
Analysis on Commercial Characters of Korla Fragrant Pear in Korla City	HE Zi-shun,REN Hong,ZHANG Feng,et al(36)
The Component Determination and Development of Wild Jujube Leaf in Xingtai Mountain Area	WANG Seng-hu,SHI Xiao-yun(39)
Influence on the Disease and Quality of Radish in the Garlic Interplant Radish	RAN Mao-Lin,PENG Hua-xian,LIU Du-chen,et al(41)
Comprehensive Evaluation of Agronomic Characters in Early Maturity Cabbage	REN Xi-bo,GAO Jin-Yuan,Dai Xi-yao,et al(44)
Analysis and Evaluation on Heavy Metal Pollution of Vegetables in Yangling Demonstration Zone	MA Wen-zhe,WANG Wen-guang,WU Chun-xia,et al(46)

◆ Facilities Horticulture ◆

Study on the Dynamic Model of Temperature and Humidity Inside Venlo Glasshouse with Cucumber Crops	MA Wan-zheng,LI Zhong-fang,ZHANG Fang-ding,et al(49)
Effect of Nectarine Quality and Economic Benefits of Six Water Soluble Fertilizers in Solar Greenhouse	YI Yu-lin(52)

◆ Cultivation Technique ◆

Cultivation of Grafted Early-maturing Watermelon	JIA Li-yuan,LIU Yan-xia,YANG Chang-qing(57)
--	---

◆ Garden Design and Garden Plants ◆

Effect of Microorganisms on Pollution Restoration of Suitable Plants in Coal Mine	GUO You-hong(65)
Effect on Container Seedlings Growth of <i>Acacia dealbata</i> Link by Using Copper Sulfate Emulsion Paint Preparations	GAO Huan-zhang,ZHAO Zhen-jun,YIN Qian-jin,et al(68)
Study on Morphological Characteristics and Physiological Response Under Drought and Heat Stress in Six <i>Sedum</i> Plants	ZHANG Wen-juan,LI Lian-guo,GUO Jin-li,et al(71)
Five Kinds of Excellent Drought Plants Appropriate to Lanzhou Areas	LI Xing-yao,YANG Yong-hua(76)
The Turfgrass Characteristics of Main Disease and Sustainable Control Measures in Dalian City	WANG Jian-mei,HU Hui-fang(78)
Purification Ability of 19 Species of Plants on TN and TP Removal from Domestic Sewage	ZHAO Yan,WANG Xu-he,QI Ji-zhong(81)
Study on Biological Characters of Wild <i>Lilium sulphureum</i> Baker and Its Application in Wenshan	LIU Wei(85)
Effect of Temperature and Gibberellin on the Germination of <i>Pharbitis purpurea</i> (Linn.) Voigt Seeds	YE Jing-xue, SUN Gui-bo, JI Hai-bin(88)
Study on Volatile Oils of <i>Lilium longiflorum</i> by Different Extraction Methods with GC-MS	LI Hong,CHANG Jian,ZHAO Jian,et al(90)
Effect of Plant Growth Regulators ‘ЭМИСТИМС’ on Cold Resistance of <i>Buxus microphylla</i>	LI Rui-qin,YU An-fen,ZHAO You-biao(94)
Filtering of Wetland Plants for Treating Petrochemical Wastewater	HU Shu,XIAO Xin,JIA Han-shuai(97)

The Investigation and Classification of *Osmanthus fragrans* in Xianning WANG Zhen-qi, CHEN Hong-guo(101)

The Analysis of Tropical City Children's Outdoor Activity Space Design YANG Yi-jia, XU Xian-sheng(105)

The Present Study on the Sloping Roof Greening Demonstration Model ZHANG Bin, YANG Chuan-xiang(110)

◆ Biotechnology ◆

Effects of Different Light Quality on the Formation and Regenerative Potentialities of Calli of *Camptotheca acuminata* CHEN Bo, CHEN Zhe-hao, WANG Li-lin, et al(112)

Silico Cloning and Sequence Analysis of F3H Gene of Chinese Cabbage MA Guang, LIANG Fei-fei, GUO Ji-ping, et al(116)

Primary Study on Tissue Culture Proliferation of *Aronia melanocarpa* GAO Ye-hua, GUO Peng-wei, WU Rong-zhe(119)

Study on the Spores Propagation of *Adiantum capillus-veneris* in vitro YE Fei, JIAN De-feng(122)

Study on the Optimal Method of Tissue Culture on Different Species of Wild *Actinidia arguta* LIU Yan-ji, HAO Gui-jie, JIANG Yan-yan, et al(124)

◆ Plant Protection ◆

Primary Study on Fermentation Conditions of Antagonistic Strain S15 Against *Rehmanniae Fusarium Wilt* ZHANG Yan-li, GAO Yu-hong, LI Hong-lian(127)

Efficacy Test of Carbendazim Zhongshengmycin 53% WP on Controlling Apple Ring Rot LEI Qiong, MA Wen-zhe(129)

Prevention Measures on Occurrence and Control of Diseases and Pest of Apple Producing Regions in Yan'an LI Chun-xia, REN Xiao-bing, ZHANG Li-ming, et al(131)

Toxicity and Field Control Efficacy of Seven Acaricides to the Carmine Spider Mite *Tetranychus cinnabarinus* (Arachnida: Tetranychidae) WANG Ze-hua, WEI Shu-jun, SHI Bao-cai, et al(135)

Field Efficacy Test of New Pure Chinese Biological Agent on Tomato TY Virus WANG Cheng-xiang, LIU Zhen-long, YU Xiao-huan(139)

Anoplophora glabripennis Hazards Occurrence Regularity and Control Technique of *Acer saccharum* WANG Hai-tao, ZHANG Tie-cheng, QIN Yun-hong, et al(141)

Damage of Collembola on Edible Fungi and its Control Strategy SUN Yuan(143)

The Red Fruit Anti-cracking Technology on Jujube ZHANG Gui-ran, WANG Zhen-liang, LI Kai-sen, et al(145)

◆ Edible Fungi ◆

Study on Cultivation Techniques with High-yielding of Interplanting *Dictyophora indusiata* in Forest Land ... SU Wei-de, LUO Hai-ling, LIN Hui, et al(149)

◆ Chinese Traditional Medicine ◆

Study on Seminal Propagation Technology of *Ginkgo biloba* L. LI Ran-hong, YU Li-jie, AN Wen-he, et al(151)

Determination of Trace Elements from Different Developmental Stages of *Schizandra chinensis* Fruits ZHANG Ying, WANG Yu-bo(153)

The Coating on Artificial Seeds of *Dendrobium candidum* Wall ex Lindl. ZENG Ying-ping, ZHU Qian-kun, WANG Wan-jun(155)

Study on the Extraction Method of Total Flavonoids in *Suertia mileensis* ZHANG Hong, JI hong-xu, ZHANG Jiang-mei, et al(159)

Study on Roots Inducement in Tube and Transplant Technique of *Pinellia ternata* LIU Yang(161)

◆ Storage and Processing ◆

Effect of UV-C on Postharvest Decay and Quality of Dong Jujube LI Ning, GUAN Wen-qiang, YAN Rui-xiang(163)

Effect of 1-MCP with Different Packaging Method on Fresh Keeping of 'Fuji' Apple WU Xiao-hua, XIE Min-hua, ZHANG Yong-mao, et al(165)

Effects of Different Treatments on Postharvest Physiology and Quality of Snap Beans ZHANG Peng, LI Jiang-kuo, ZHANG Ping, et al(168)

Effect of Ozone Treatment on Activity of PPO and POD of Dong Jujube LI Meng-chai, FENG Wei, GE Yan-rui, et al(171)

◆ Soil and Fertilizer ◆

Effects of Amendments on the Quality of Wuta-tsai Planted in Cd and Pb Contaminated Soil LI Ying-xiang, LV Jin-yin, WANG Shuai, et al(173)

Effect of Different Recipe Fertilizer on Fruit-setting Rate and Quality of 'Kyoho' Grape NING Peng-fei, ZHANG Jun-xian, WANG Dan, et al(176)

Study on the Absorption Rules of Nitrogen and Phosphorus Nutrients of Oil Sunflower under Different Fertilizing Conditions WANG Xiao-jun, HE Wen-shou, MA Ting-ji, et al(179)

Study on Influence of Remediation of Chromium in the Soil by Alfalfa Under the Acetic Acid-Potassium Acetate Buffer Solution JIN Lan-shu, JIA Cheng-nan, GAO Xiang-qi, et al(183)

The Effect of Boron on Growth and Quality of *Amaranth mangostanus* LI Hong-bo, WANG Yan-qin, LIU Tan-run(187)

◆ Summarize ◆

Research Progress on Cytoplasmic Male Sterility of *Allium cepa* L. ZHOU Xiao-juan, ZHAO Rui, WANG Yong-qin(190)

Study on Exploitation and Pharmacological Effect on Edible and Pharmaceutical Fungus Polysaccharides CHEN Shi-tong, BAI Jian-bo, LI Meng-jie, et al(195)

Reasearch Progress on Soil Environment in Water-Level-Fluctuation Zone AI Li-jiao, WU Zhi-neng, ZHANG Yin-long(199)

Research Progress in the Cold Resistance to Jujube DANG Rui-hong, HHANG Ai-rong, LI Xin-xiang, et al(204)

◆ Agricultural Relavant Issues ◆

Issues and Countermeasure on the Vegetable Quality and Safety System in Shandong Province XUE Qi-qin, LI Mei-qin, LV Jin-fu, et al(207)