

目次

宏观农业

- 山西省农业现状及技术发展需求 刘龙龙,崔林,刘根科,韩美善,常志勇(3)

生物技术

- 玉米cDNA-SRAP反应体系的优化 苏亮,白建荣,王秀红(6)

- 生长环境和取苗时间对大白菜小孢子培养胚诱导率的影响 巫东堂,王秀英,赵军良,李改珍(10)

遗传育种

- 棉花品种HA-910的抗病性及相关品质鉴定 杨文杰,刘润润,陆炳瑞,徐瑞瑞,杨玉凤(13)

- 抗旱小麦新品种晋麦85号选育研究 刘新月,徐萍,张正斌,卫云宗(17)

耕作栽培

- 不同水分胁迫和种植密度对谷子杂交种产量及水分利用效率的影响 樊修武,池宝亮,张冬梅,黄学芳,张伟(20)

- 玉米新品种晋单55号特征特性及推广应用 张爱莲,杨慧珍,任志强,肖建红(24)

生理生化

- 温室条件下生长结果特性观察 高美英,田应桐,秦国新,温鹏飞(27)

- 3种室内观常植物对甲醛污染的响应 郝辉芳,冀瑞萍(30)

资源与环境

- 山西大觉山自然保护区野生果树多样性研究 陈莲芸,张若晨,王良民(33)

- 密云县土地利用动态变化预测及影响研究 国巧真,马亚峰,武永峰(37)

- 四明山夷平面与玄武岩复合台地景观特征与开发研究 单莉莉,张晋璐,许红根,卢炳生(41)

- 层积生物有机肥对枸杞的增产效应 高亮,丁春明,史卓强,王建光,郝红伟,张福亮,郭秀爱(45)

植物保护

- 白栎叶片甲胺磷农林生态区啮齿动物群落结构与多样性分析 王庭林,常文英,宁振东,邹波,杨新根,侯玉,郭学林(50)

- 几种杀菌剂对南方红豆杉炭疽病的室内毒力测定 范晓龙(53)

- 晋南地区油菜主要气象灾害与减灾防灾对策 杜森芳,成拉卿,李建勋,马冬菊(57)

- 西南地区农业应对极端干旱研究初探 陈闹晨,李黎霞,冯义雄,叶玮,董建博(61)

贮藏与加工

- 优化超声波提取协同提取藤草总黄酮的工艺研究 董江涛,李燕,蒋橙华,徐慧强(63)

- 超临界CO₂提取枫香叶总黄酮工艺研究 晏丽,高中松(69)

畜牧兽医

- Real-time-PCR方法检测肉品中的沙门氏菌 方平,杨永莉,杨宝,王晓刚(71)

- 寒冷地区日光暖棚羊舍设计与暖棚环境控制 马启军,张建新,王树华,段栋梁,淡江华,赵有英,项斌伟(77)

水产渔业

- 中国鳊鱼苗种生产现状及应对措施 王慧芝,李斌,陈国平(81)

- 我国主要鱼出口欧盟市场的特征、障碍分析及对策 李秋燕,刘华楠,吴凯(84)

综述

- 植物HSP70基因在基因工程中的应用 王原媛,白云凤,张定宇(88)

- 热激蛋白与昆虫的耐热性关系研究进展 韩政,赵龙龙,陈光,马瑞燕(92)

- 蒙古黄芪种质资源研究进展 冯学金,刘根科,梁素明(95)

- 三叶草根瘤技术研究进展 贾会丽,王运琦,刘建宁,石永红,吴欣明(99)

信息技术

- GIS在农业开发模式探讨 高慧卿,樊兰璞(102)

- 农田环境温湿度采集仪的设计与试验 赵华民,王凤花,张淑娟,张海红(106)

农业经济

- 基于GIS的宿州市土地集约利用评价研究 何爱霞,苏海民(110)

技术推广

- 提高旱作农业水资源利用效率的建议 赵英兰(113)

- 旱地菜豆“三早三优”综合栽培技术 刘恩科,韩彦龙,张冬梅,李海金,陈琼,张伟(115)

- 无公害羊肉生产技术规范及安全管理 穆秀梅,马启军,段栋梁,王树华,淡江华,毛向红(117)

- 核桃幼树早实、密植、丰产栽培技术 刘艳芬,范国庆(119)

- 柿蒂虫综合防治技术 樊力青(121)

- 蛹虫草工厂化袋栽技术要点 李娜,毛永强(122)

- 洪洞县小麦网日拟地甲为害原因及防治措施 李霞,王小泰,贾和平(123)

CONTENTS

●The general

Current Status of Shanxi Oat Industry and Its Technology Development Needs LIU Long-long, et al(3)

●Biotechnology

Optimization of cDNA-SRAP PCR Reaction System in Maize SU Liang, et al(6)

Effects of Growth Environment and Bud Cutting Time on Induction Rates of Chinese Cabbage Microspore Embryo

..... WU Dong-tang, et al(10)

●Genetics and breeding

Characterization of Disease-resistance and Related Quality in the New Cotton Germplasm of HA-910 YANG Wen-jie, et al(13)

Breeding of New Winter Wheat Variety Jinmai 85 with Drought Resistance LIU Xin-yue, et al(17)

●Cultivation

Effects of Different Water Gradients and Cropping Densities on Yield and Water Use Efficiency in Hybrid Millet ... FAN Xiu-wu, et al(20)

Characteristics of New Maize Variety Jindan 55 and Its Extension ZHANG Ai-lian, et al(24)

●Physiology and biochemistry

Characteristics Observation of Grape Growth and Fruiting in Greenhouse GAO Mei-ying, et al(27)

Response of Three Indoor Ornamentals to Formaldehyde Pollution HAO Hui-fang, et al(30)

●Resources and environment

Study on the Wild Fruit Trees Diversity in Taikuanhe Reserve in Shanxi CHEN Lian-yun, et al(33)

Forecast and Effect of Land Use Dynamic Changes in Miyun County GUO Qiao-zhen, et al(37)

Study on Feature and Development of Planation Surface and Basalt Mesa Landscape in Siming Mountain SHAN Li-li, et al(41)

Application Effect of Chenyu Biological Organic Fertilizer on Wolfberry GAO Liang, et al(45)

●Plant protection

Rodents Community Structure and Species Diversity Analysis in Central of Lvliang Mountains Region WANG Ting-lin, et al(50)

Indoor Toxicity Measurement of Several Fungicides on Anthracnose of Southern Chinese Yew FAN Xiao-long(53)

Major Meteorological Disasters and Prevention and Relief Measures to Rape Seed in South Shanxi Province DU Chun-fang, et al(57)

Research of Agricultural Response to Extreme Drought in Southwest China CHEN Wen-chen, et al(61)

●Storage and procession

Optimization of Ultrasonic-microwave Synergistic Extraction Process of Total Flavonoids from *Humulus* DONG Jiang-tao, et al(63)Ultrasonic-assisted Extraction of Total Flavonoids from *Liquidambar formosana* YAN Li, et al(69)

●Animal husbandry

Real-time PCR Assays for Detection of *Salmonella* in Meat Products FANG Ping, et al(71)

Design and Environment Control of Sunlight Warm Plastic Sheep Shed in Cold Climate Area MA Qi-jun, et al(77)

●Aquatic fishery

Export Status of China's Tilapia and the Corresponding Measures WANG Hui-zhi, et al(81)

Analysis and Countermeasures on the Characteristics and Obstacles of Tilapia Export to European LI Qiu-yan, et al(84)

●Review

Application of Plants Pyruvate Orthophosphate Dikinase in Genetic Engineering WANG Yuan-yuan, et al(88)

Research Advances of the Relationship between Heat Shock Proteins and Insects Heat Tolerance HAN Zheng, et al(92)

Review of Studies on Germplasm Resources of Mongolia Milkvetch FENG Xue-jin, et al(95)

Research Progress of Transgenic Research in *Trifolium* JIA Hui-li, et al(99)

●Information technology

Investigation of Developing Model of GIS Application System GAO Hui-qing, et al(102)

Design and Experiment on the Farmland Environmental Temperature and Humidity Collection Instrument ZHAO Hua-min, et al(106)

●Agri-economy

Evaluation Research of Land Intensive Use Based on Matter Element Model in Suzhou City HE Ai-xia, et al(110)

●Technology extension

Suggestion to Improve Agricultural Water Resources Use Efficiency in Zezhou County ZHAO Ying-lan(113)

3-early, 3-optimum Integrated Cultivation Technology of Kidney Bean in Non-irrigation Field LIU En-ke, et al(115)

Pollution-free Mutton Production Technical Specifications and Safety Management MU Xiu-mei, et al(117)

Technology of Early-fruited, Condensed-planting and High-output in Young Walnut Trees LIU Yan-fen, et al(119)

Integrated Managemental Technology of Persimmon Fruit Moth FANG Li-qing(121)

Key Technology of Bag Cultivation Mode Factory of *Cororiceps nitaris* LI Na, et al(122)Infection Reason and Control Measures against Wheat *Opafum subarqum* Falderann in Hongdong County LI Xia, et al(123)