安徽农学通报

郑之宽　题字

1995年创刊（半月刊）

2026年第22期

总第32卷534期

目　次

粮食作物

安徽地区小麦生育阶段积温变化趋势及适播期估算
…… 汪建来　李　威　赵　莉　杨太明　谢金花　邓　骋　王学林　张　磊　何贤芳　1

砂姜黑土区小麦—玉米全程精细化栽培管理技术…… 范厚亚　6

甘薯无糖组培培养基配比的优化筛选
…… 崔雅霖　隗　源　温雨鑫　孙　博　吴小草　张雪涵　李伟毅　孙金恒　余建平　赵　波　10

经济作物

异常天气对湖南郴州烤烟生产的影响及应对措施…… 方　明　赵婷怡　刘　璐　刘　婷　黄雅洁　14

彝良县烤烟C3F等级合格率影响因素及优化对策…… 赵永长　姬　瑾　孙博霖　18

动物科学·动物医学

基于红外相机的貉种群密度和数量及活动节律研究 …… 程　扬　21

基于红外相机的安徽查湾自然保护区黑熊资源调查 …… 陈彬龙　25

新疆鱼类多样性与历史分布格局的文献分析…… 陈　艳　28

林业科学

不同林型落叶松林植物多样性和群落结构特征差异
…… 张　弟　彭俊豪　武弘源　佘丹琦　冯　鹏　张喜亭　33

深圳市森林质量精准提升实施路径…… 郭　坤　李嘉仝　李铨年　37

金叶含笑移植容器苗基质的筛选…… 林小青　周俊新　陈剑勇　颜　耀　42

基于AHP的赣南地区杜鹃花引进品种园林应用综合评价
…… 陈远华　肖金讯　范方喜　郭崇炎　熊春晖　周勇辉　黄念兰　罗素梅　45

郑州市林木种质资源保护现状与路径优化 …… 李海峰　李芳莉　李芳芳　孙　曼　王桂林　49

生态环境·植保

基于MODIS的朔州市植被覆盖度与气候因子相关性分析
…… 程建业　任晓霞　王雅婧　韩佳婷　梁　艳　李晓婷　53

期刊基本参数：CN34—1148/S*1995*s*A4*144*zh*P*￥20.00*1000*35*2026-11

增施有机肥对耕地土壤重金属污染治理的影响 … 林有根　王　哲　吴伟杰　屠春宝　王其刚　李进辉　58
村民生活垃圾分类意识和行为影响因素分析 …… 李　红　62
农业废弃物资源化利用文献计量学分析 …… 孙骏泽　67
松材线虫病枯死松树发生动态分析 …… 柯亿鹏　72
三裂叶豚草在盘锦地区的入侵情况及防治策略
…… 刘　宇　刘　畅　臧雨晴　邹德炎　宋潘琳　赵文静　李　辉　76
设施豇豆病虫害绿色防控技术应用效果研究
…… 尹园园　轩华强　胡海非　谢志刚　李红玉　郭云平　张牧海　79

农产品加工·检验检测

祁连圆柏和青海云杉精油单因素提取的工艺优化 …… 仲启祥　王　静　安栩立　84
基于高效液相色谱—串联质谱法测定西瓜中农药残留 …… 王红梅　张　倩　崔立娇　88
宜宾市8种竹子营养成分分析
…… 邓茗月　于　川　江华超　先元华　于长清　李成贤　张　琪　李雪梅　张晓川　易宗容　94

生物资源·利用

拟南芥HSP20基因家族的生物信息学分析
…… 曹阿莉　徐茂林　张曼玉　孙　梦　姜雪冰　高　亮　宋　雨　周得宝　尹毛珠　98
梅州市城区立体绿化植物资源与应用形式调查 …… 邹　洋　王康平　106

农机装备·农业工程

高标准农田水利设施优化设计策略 …… 徐葛蒙　110
鱼菜共生系统的研究现状、挑战与趋势 …… 陈美每　邱平玉　孙忆凡　彭昌盛　113
嘉祥县水肥一体化技术应用实践与对策 …… 陈宪信　阮铭朔　曹诗哲　韩腾腾　118

农业教育

新农科背景下植物有害生物检疫双语教学探索 …… 李伟军　徐　业　徐昭焕　李小珍　向妙莲　122
基于数字化教学模式的土壤学课程教学改革实践 …… 周　龙　张发明　黄兰兰　史　晶　杨　慧　125
新农科背景下种子科学与工程专业综合实训教学改革探究
…… 唐明明　韦前飞　陈文静　李淑梅　刘　娟　128

农业经济·管理

基层小麦种子产地检疫现状及优化路径 …… 许燕玲　林晓丽　王士龙　刘志吉　131
陇中中部黄土丘陵区芍药产业发展实践 …… 朱祖雷　李福升　高　庆　134
基于农户调查的枸杞种植收益影响因素分析 … 马　兰　李剑蓓　张　静　杨淑婷　王　微　李思媛　138
基层农业技术推广人才队伍建设研究 …… 董　曼　142

编委风采 …… 封二
欢迎投稿　欢迎订阅 …… 封三

本刊声明：凡被本刊录用的稿件，即视为作者同意授权本刊及本刊合作单位（中国知网、万方、维普等数据库）使用其作品，授权权利包括但不限于复制权、发行权、信息网络传播权、表演权、翻译权、汇编权及改编权等。作者对上述声明有异议的，烦请在来稿中予以说明，本刊将作适当处理。

Anhui Agricultural Science Bulletin
Vol.32 No.22 Nov. 2026
Contents

Trend of accumulated temperature during wheat growth stages and estimation of optimum sowing date in Anhui
…… Wang Jianlai Li Wei Zhao Li Yang Taiming Xie Jinhua Deng Cheng Wang Xuelin Zhang Lei He Xianfang(1)

Whole-process refined cultivation and management technology for wheat-maize in shajiang black soil area … Fan Houya(6)

Optimization and screening of medium formulation for sugar-free tissue culture of sweetpotato
…… Cui Yalin Wei Yuan Wen Yuxin Sun Bo Wu Xiaocao Zhang Xuehan Li Weiyi Sun Jinheng Yu Jianping Zhao Bo(10)

Impacts of abnormal weather on flue-cured tobacco production in Chenzhou, Hunan and countermeasures
…… Fang Ming Zhao Tingyi Liu Lu Liu Ting Huang Yajie(14)

Influencing factors and optimization countermeasures for the qualification rate grade of C3F flue-cured tobacco in Yiliang County …… Zhao Yongchang Ji Jin Sun Bolin(18)

Infrared camera-based survey of population density, abundance, and activity rhythm of *Nyctereutes procyonoides*
…… Cheng Yang(21)

Infrared camera-based survey of *Ursus thibetanus* resources in Zhawan Natural Reserve of Anhui Province
…… Chen Binlong(25)

A literature analysis of fish diversity and historical distribution patterns in Xinjiang…… Chen Yan(28)

Differences in plant diversity and community structure characteristics among *Larix gmelinii* forests with different forest types …… Zhang Di Peng Junhao Wu Hongyuan She Danqi Feng Peng Zhang Xiting(33)

Implementation path of precise improvement of forest quality in Shenzhen City …… Guo Kun Li Jiatong Li Quannian(37)

Screening of substrate ratios for container cultivation of transplanted *Michelia foveolata* seedlings
…… Lin Xiaoqing Zhou Junxin Chen Jianyong Yan Yao(42)

Comprehensive evaluation of landscape application of introduced *Rhododendron* cultivars in Gannan region based on AHP
…… Chen Yuanhua Xiao Jinxun Fan Fangxi Guo Chongyan Xiong Chunhui Zhou Yonghui Huang Nianlan Luo Sumei(45)

Current situation and optimization pathways of forest germplasm resources conservation in Zhengzhou City
…… Li Haifeng Li Fangli Li Fangfang Sun Man Wang Guilin(49)

Correlation analysis between vegetation coverage and climatic factors in Shuozhou City based on MODIS
…… Cheng Jianye Ren Xiaoxia Wang Yajing Han Jiating Liang Yan Li Xiaoting(53)

Effects of organic fertilizer application on heavy metal regulation in cultivated soils
…… Lin Yougen Wang Zhe Wu Weijie Tu Chunbao Wang Qigang Li Jinhui(58)

Analysis of factors influencing villagers' awareness and behavior in domestic waste sorting…… Li Hong(62)

Bibliometric analysis of resource utilization of agricultural wastes …… Sun Junze(67)

Analysis of occurrence dynamics of dead pine trees caused by pine wilt disease…… Ke Yipeng(72)

Invasion status and prevention and control strategies of *Ambrosia trifida* in Panjin area
…… Liu Yu Liu Chang Zang Yuqing Zou Deyan Song Panlin Zhao Wenjing Li Hui(76)

Research on application effects of green prevention and control technology for protected cowpea diseases and pests
…… Yin Yuanyuan Xuan Huaqiang Hu Haifei Xie Zhigang Li Hongyu Guo Yunping Zhang Muhai(79)

Optimization of the single-factor extraction process for essential oil of *Juniperus przewalskii* and *Picea crassifolia*
…… Zhong Qixiang Wang Jing An Xuli(84)

Determination of pesticide residues in watermelon based on high-performance liquid chromatography-tandem mass spectrometry…… Wang Hongmei Zhang Qian Cui Lijiao(88)

Analysis of nutritional components of 8 bamboo species in Yibin City …… Deng Mingyue Yu Chuan
…… Jiang Huachao Xian Yuanhua Yu Changqing Li Chengxian Zhang Qi Li Xuemei Zhang Xiaochuan Yi Zongrong(94)

Bioinformatics analysis of the HSP20 gene family in *Arabidopsis thaliana*
…… Cao Ali Xu Maolin Zhang Manyu Sun Meng Jiang Xuebing Gao Liang Song Yu Zhou Debao Yin Maozhu(98)

Investigation on plant resources and application forms of vertical greening in the urban area of Meizhou City
…… Zou Yang Wang Kangping(106)

Optimal design strategies of water conservancy facilities in high-standard farmland …… Xu Gemeng(110)

Research status, challenges and trends in aquaponics systems…… Chen Meimei Qiu Pingyu Sun Yifan Peng Changsheng(113)

Application practice and countermeasures of water and fertilizer integration technology in Jiaxiang County
…… Chen Xianxin Ruan Mingshuo Cao Shizhe Han Tengteng(118)

Bilingual teaching of *Plant Pest Quarantine* in the context of new agricultural science
…… Li Weijun Xu Ye Xu Zhaohuan Li Xiaozhen Xiang Miaolian(122)

Teaching reform and practice of the *Soil Science* course based on a digital teaching model
…… Zhou Long Zhang Faming Huang Lanlan Shi Jing Yang Hui(125)

Exploration of comprehensive practical training teaching reform for the Seed Science and Engineering major in the context of new agricultural science…… Tang Mingming Wei Qianfei Chen Wenjing Li Shumei Liu Juan(128)

Current status and optimization pathways of quarantine in producing area for grassroots wheat seed production
…… Xu Yanling Lin Xiaoli Wang Shilong Liu Zhiji(131)

Practice of herbaceous peony industry development in the central loess hilly region of central Gansu
…… Zhu Zulei Li Fusheng Gao Qing(134)

Analysis of factors influencing the cultivation returns of goji berry based on a farmer household survey
…… Ma Lan Li Jianbei Zhang Jing Yang Shuting Wang Wei Li Siyuan(138)

Research on the construction of grassroots agricultural technology extension talent teams …… Dong Man(142)