目 录

作物遗传育种·生物技术

- 1029 红腺忍冬腋芽萌发与诱导研究(英文) 李魁鹏,黄昌艳,周 珊,杨美纯
1033 广西水稻育种和品种审定问题探讨 粟学俊,陈彩虹,梁曼玲
1036 甘蔗乙烯受体基因Sc-ERS的克隆与序列分析 魏源文,邓智年,黄诚梅,潘有强,
吕维莉,李杨瑞
1041 豌豆MAR的分离及其功能分析 邓智年,魏源文,黄诚梅,潘有强,
吕维莉,李杨瑞
1046 山薯组培苗瓶内与瓶外生根技术研究 严华兵,方 锋,董伟清,卜朝阳,
闭志强,李杨瑞

耕作栽培·生理生化

- 1049 水磷耦合对甘蔗若干生理生化指标的影响 蒋明明,汤雪莲,秦洪波,陆国盈,
韩世健,裴铁雄,黄海松
1055 限量灌溉和施氮水平对春玉米生长及生理特性的影响 田育丰
1058 籼型杂交水稻恢复系种子休眠特性研究 石瑜敏,王威豪,刘百龙,黎兆安,
谢丽萍,韦善富,毛昌祥,宋智萍
1061 高产杂交籼稻Ⅱ优798的选育及应用 陈海雄,林亨义,林长河,王东叶,
林 楠,王才经,黄大荣
1064 旱地间作型花生新品种“桂花771”的选育及栽培技术 韩柱强,钟瑞春,贺梁琼,李 忠,
唐荣华,高国庆,周翠球
1066 优质稻科玉03的选育与高产栽培技术 王彩先,杨仕冠,周灵芝,林 林,
李业伟,陈 颖
1068 农科6号番茄的选育 梁 劲,何国常,刘 钰,黄英兰,
黄樟华,刘 册,杨声澈,陈果东

植物保护

- 1070 茶园无公害防治对黑刺粉虱的控制作用 胡雅辉,邹剑明,肖伏莲,陶 杰
1073 广西木薯地杂草调查及防除对策 郭成林,马跃峰,覃建林,莫仁甫,
马永林
1076 拟除虫菊酯类农药残留快速检测技术研究进展 刘运龙,陈 睿,李 炜
1079 有机磷农药的微生物降解技术研究进展 张 婵,廖晓兰

土壤肥料·农业生态环境

- 1083 日本熊本县的土壤与农业 杨尚东,谭宏伟,李杨瑞
1089 桂林石灰岩区名特优植物元素的岩溶响应 覃星铭,邓 艳,蒋忠诚,马祖陆,
罗为群
1093 免耕覆盖对冬马铃薯土壤碳氮及氮素矿化菌的影响 黄 景,康 轩,梁 和,顾明华

1097 湖南邵阳烟区气候特点及其对优质烤烟生产的影响

黄武, 时 焦

园艺·贮藏·保鲜·加工

1101 3种园林植物对土壤重金属Cd的吸收及修复研究

张翠萍, 仇 硕, 赵 健, 李秀娟,
全艳斌

1104 脐晚脐橙落花落果规律的观察研究

刘升球, 区善汉, 梅正敏, 甘海峰

1107 10个甜瓜品种在桂北的引种栽培试验

叶开玉, 李洁维, 蒋桥生, 张静翊,
龚弘娟

1110 广西大棚厚皮甜瓜品种比较试验

覃斯华, 洪日新, 黄金艳, 何 毅,
李文信, 李天艳

畜牧·兽医·水产·蚕桑

1113 广西副猪嗜血杆菌病分子流行病学调查

马 琳, 谭颖翌, 覃绍敏, 陆芹章

1117 斑马鱼早期胚胎神经形成过程中SOD表达特点研究

马 璜

1121 促性腺激素释放激素在不同品种公牛睾丸中的免疫组化定位

秦 津, 李瑞明, 凌泽继, 谢莹雪,
宋小白, 杨柄壮, 许典新

1125 牛轮状病毒二温式PCR检测方法的建立

范 晴, 谢芝勋, 刘加波, 庞耀珊,
邓显文, 谢志勤, 谢丽基, 彭 宜

1128 广西黑山羊伪结核棒状杆菌的分离与鉴定

郑 敏, 胡 杰, 欧绍毅, 陈义祥,
李向涛, 李春艳, 陆文俊, 苏 凯

1131 广西林用白僵菌生物农药对家蚕的致病性试验

石美宁, 朱方容

1134 几种常用药物对淡水黑鲨的急性毒性及药浴试验

黄彩林, 覃俊奇, 张 盛, 徐鸿飞,
廖 愚

综述·专论

1138 广西甘蔗糖业创新平台运行机制研究

覃泽林, 韦志扬, 陆宇明, 韦昌联,
梁弋夫

1142 广西农村沼气服务体系建设现状与发展对策

王洪涛, 黄宜清

1145 广西柚类资源地理标志保护现状及思考

熊晚珍, 孙志国, 张 敏

1148 “农家乐”旅游发展现状及对策——以甘肃省庆阳市庆城县为例

张 潇, 赵振斌

CONTENTS

Crop genetic & breeding·biotechnology

- 1029 Germination and induction of axillary buds in micropropagated *Lonicerae hypoglauca* LI Kui-peng, HUANG Chang-yan, ZHOU Shan, YANG Mei-chun
- 1033 Discussions on rice breeding objectives and variety approval methods in Guangxi SU Xue-jun, CHEN Cai-hong, LIANG Man-ling
- 1036 Cloning and sequencing of sugarcane ethylene receptor gene (*Sc-ERS*) WEI Yuan-wen, DENG Zhi-nian, HUANG Cheng-mei, PAN You-qiang, Lü Wei-li, LI Yang-rui
- 1041 Isolation of pea MAR sequence and its functional analysis DENG Zhi-nian, WEI Yuan-wen, HUANG Cheng-mei, PAN You-qiang, Lü Wei-li, LI Yang-rui
- 1046 *In vitro* and *ex vitro* rooting culture of *Dioscorea fordii* Prain et Burk plantlets YAN Hua-bing, FANG Feng, DONG Wei-qing, BU Zhao-yang, BI Zhi-qiang, LI Yang-rui

Tillage & cultivation·physiology & biochemistry

- 1049 Effects of combined water and phosphorus fertilizer application on physiological and biochemical characteristics of sugarcane JIANG Ming-ming, TANG Xue-lian, QIN Hong-bo, LU Guo-ying, HAN Shi-jian, PEI Tie-xiong, HUANG Hai-song
- 1055 Effects of limited irrigation and nitrogen supply rates on growth and physiological characteristics of spring maize TIAN Yu-feng
- 1058 Seed dormancy characteristics of restorer lines of indica hybrid rice SHI Yu-min, WANG Wei-hao, LIU Bai-long, LI Zhao-an, XIE Li-ping, WEI Shan-fu, MAO Chang-xiang, SONG Zhi-ping
- 1061 Breeding and utilization of indica hybrid rice II You 798 CHEN Hai-xiong, LIN Heng-yi, LIN Chang-he, WANG Dong-ye, LIN Nan, WANG Cai-jing, HUANG Da-rong
- 1064 Breeding of a new peanut variety Guihua 771 suitable for interplanting in dry land and its cultivation technology HAN Zhu-qiang, ZHONG Rui-chun, HE Liang-qiong, LI Zhong, TANG Rong-hua, GAO Guo-qing, ZHOU Cui-qiu
- 1066 Breeding of new good grain quality rice variety Keyu 03 and its high-yielding cultivation techniques WANG Cai-xian, YANG Shi-guan, ZHOU Ling-zhi, LIN Lin, LI Ye-wei, CHEN Ying
- 1068 Breeding of tomato variety Nongke 6 LIANG Jing, HE Guo-chang, LIU Yu, HUANG Ying-lan, HUANG Zhang-hua, LIU Ce, YANG Sheng-gan, CHEN Guo-dong

Plant protection

- 1070 Effects of non-polluting control measures on spiny white fly in the tea gardens HU Ya-hui, ZOU Jian-ming, XIAO Fu-lian, TAO Jie
- 1073 Investigations on control strategies of weeds problems in cassava (*Manihot esculenta* Crantz) fields in Guangxi GUO Cheng-lin, MA Yue-feng, QIN Jian-lin, MO Ren-pu, MA Yong-lin
- 1076 Research progress on rapid detection techniques for pyrethroids pesticide residues LIU Yun-long, CHEN Rui, LI Wei
- 1079 Research progress on technologies for microbial degradation of organophosphorus pesticide ZHANG Chan, LIAO Xiao-lan

Soil & fertilizer·agroecology environment

- 1083 Soil science and agriculture in Kumamoto Prefecture, Japan YANG Shang-dong, TAN Hong-wei, LI Yang-rui
- 1089 Response of elements in famous, special and high-quality plants to karst environment in typical karst region of Guilin QIN Xing-ming, DENG Yan, JIANG Zhong-cheng, MA Zu-lu, LUO Wei-qun

- 1093 Effects of no-tillage with coverage on carbon and nitrogen contents and nitrogen-mineralizing bacteria in soils cultivated with winter potato HUANG Jing, KANG Xuan, LIANG He, GU Ming-hua
- 1097 Climate characteristics and its effects on production of good quality flue-cured tobacco in Shaoyang, Hunan HUANG Wu, SHI Jiao

Horticulture · storage · fresh-keeping · processing

- 1101 Phytoremediation properties of three ornamental plants for cadmium absorption in soils ZHANG Cui-ping, QIU Shuo, ZHAO Jian, LI Xiu-juan, QUAN Yan-bin
- 1104 Blossom and fruit dropping rule of Qiwan navel orange LIU Sheng-qiu, OU Shan-han, MEI Zheng-min, GAN Hai-feng
- 1107 Cultivation experiments of 10 introduced melon varieties in Northern Guangxi YE Kai-yu, LI Jie-wei, JIANG Qiao-sheng, ZHANG Jing-chi, GONG Hong-juan
- 1110 Screening of thick-skinned melon varieties for greenhouse cultivation in Guangxi QIN Si-hua, HONG Ri-xin, HUANG Jin-yan, HE Yi, LI Wen-xin, LI Tian-yan

Animal science · veterinary science · aquiculture · sericulture

- 1113 Investigations on the molecular epidemiology of *Haemophilus parasuis* in Guangxi MA Lin, TAN Ying-yi, QIN Shao-min, LU Qin-zhang
- 1117 Expression of superoxide dismutase during the development of nervous system in Zebra fish (*Danio rerio*) embryo MA Ying
- 1121 Immuno-histochemical localization of gonadotropin-releasing hormone in testis of different bull varieties QIN Jin, LI Rui-ming, LING Ze-ji, XIE Ying-xue, SONG Xiao-bai, YANG Bing-zhuang, XU Dian-xin
- 1125 Development of dual-temperature PCR technique for detection of bovine rotavirus FAN Qing, XIE Zhi-xun, LIU Jia-bo, PANG Yao-shan, DENG Xian-wen, XIE Zhi-qin, XIE Li-ji, PENG Yi
- 1128 Isolation and identification of *Corynebacterium pseudotuberculosis* from black goat in Guangxi ZHENG Min, HU Jie, OU Shao-yi, CHEN Yi-xiang, LI Xiang-tao, LI Chun-yan, LU Wen-jun, SU Kai
- 1131 Pathogenicity test of forest-using *Beauveria bassina* biotic pesticide to silkworm SHI Mei-ning, ZHU Fang-rong
- 1134 Assessment of acute toxicity levels and dipping bath test for some commonly-used drugs on *Pangasias sutchi* HUANG Cai-lin, QIN Jun-qi, ZHANG Sheng, XU Hong-fei, LIAO Yu

Reviews · Monographs

- 1138 Operational mechanism of innovation platform for sugarcane industry in Guangxi QIN Ze-lin, WEI Zhi-yang, LU Yu-ming, WEI Chang-lian, LIANG Yi-fu
- 1142 Current status and development strategies of rural biogas service system in Guangxi WANG Hong-tao, HUANG Yi-qing
- 1145 Current status and consideration on protection of pemelo resources as geographical indication products in Guangxi XIONG Wan-zhen, SUN Zhi-guo, ZHANG Min
- 1148 Current status and developmental strategies for agritainment: A case study in Qingcheng County, Qingyang City, Gansu Province ZHANG Xiao, ZHAO Zhen-bin