

目次

特约稿件

- 我国蔬菜作物重大入侵害虫发生、危害与控制
..... 张友军, 朱国仁, 褚栋, 等(1)

专论与综述

- RNAi 在植物寄生线虫功能基因组研究中的应用
..... 龙海, 李芳荣, 李一农, 等(7)
- 抗昆虫蝎毒素及其在植物遗传转化中的研究进展
..... 阮燕峰, 王波, 崔振海, 等(12)
- 实时荧光定量 PCR 在植物病害流行病学中的应用
..... 郑亚明, 骆勇, 周益林, 等(18)
- 小麦化感作用的种群生态位调节及其生态效应探讨
..... 欧巧明, 倪建福, 陈玉梁, 等(23)
- 西瓜枯萎病综合防治研究进展
..... 吴学宏, 卢志军, 王品品, 等(27)

研究报告

- 植物青枯菌 VI 型分泌系统核心基因 *uasK* 突变株的构建及其致病性的测定
..... 张丽勤, 许景升, 徐进, 等(33)
- 香蕉束顶病毒海口分离物 Rep 基因的克隆、原核表达、抗血清制备及检测
..... 余乃通, 冯团诚, 王健华, 等(38)
- 南宁市朱槿曲叶病毒病原分子鉴定和寄主范围研究
..... 林林, 蔡健和, 罗恩波, 等(44)
- 短穗鱼尾葵灰斑病菌的鉴定及生物学特性
..... 陈剑, 纪焯斌, 张能, 等(48)
- 利用 MAXENT 预测橡胶树棒孢落叶病在中国的适生区
..... 曲伟伟, 李志红, 黄贵修, 等(52)
- 三种寄主植物对扶桑绵粉蚧发育和繁殖的影响
..... 黄芳, 张蓬军, 章金明, 等(58)
- 食料对大猿叶虫不同地理种群滞育诱导的影响
..... 于洪春, 王蕾, 邓佳佳, 等(63)
- 七星瓢虫对豆蚜的功能反应
..... 金剑雪, 李凤良, 程英, 等(68)
- 禾谷缢管蚜对三个小麦品种幼苗保护酶的影响
..... 张廷伟, 刘长仲(72)
- 我国 2008 年草地螟大发生种群空间分布特征
..... 黄绍哲, 罗礼智, 姜玉英, 等(76)
- 5 个不同腰果品系对脊胸天牛的抗性
..... 张中润, 梁李宏, 黄伟坚, 等(82)
- 不同寄主种群 B 型烟粉虱体内营养和成虫体长差异比较
..... 周隆, 文礼章, 王少丽, 等(87)
- 桃小食心虫经济阈值的研究
..... 范保银, 王小奇, 刘薇薇, 等(91)
- 枯草芽孢杆菌 QM3 防治番茄早疫病和促进幼苗生长的研究
..... 胡青平, 徐建国, 程丽萍, 等(95)
- 红蓼种子中杀黏虫活性成分的初步分析
..... 姚赛群, 胡冠芳, 刘敏艳, 等(101)
- 东亚异蚤蝇及其携带白僵菌防治松墨天牛的研究
..... 叶斌, 曾宣利, 王国良(106)

硅对芹菜幼苗乙草胺药害的缓解效应

- 高青海, 葛文春(112)

研究简报

- 棉黑蚜为害诱导棉花抗蚜性的研究
..... 芦屹, 李晶, 王佩玲(116)
- 不同向日葵品种对黄萎病的抗性
..... 王玉杰, 裴旭, 高凤竹, 等(120)
- 不同温度下东亚飞蝗交配及产卵行为
..... 涂雄兵, 王广君, 农向群, 等(124)

调查研究

- 早熟柑橘黄龙病流行与产量损失关系研究
..... 余继华, 汪恩国, 张敏荣, 等(126)
- 2008—2009 年甘肃省小麦条锈菌生理小种监测结果
..... 贾秋珍, 金社林, 曹世勤, 等(130)
- 2009 年甘肃省玉米穗腐病、茎基腐病的发生危害
..... 郭满库, 王晓鸣, 何苏琴, 等(134)
- 东北杨树烂皮病发生流行的时空分析
..... 刘丹, 杜春英, 于成龙(138)
- 黑龙江省水稻新品种(系)抗稻瘟病性鉴定及利用
..... 宋成艳(142)
- 白僵菌 Bb08-12 菌株生物学研究及其对美国白蛾的致病性
..... 刘宝生, 谷希树, 许静杨, 等(146)

实验方法与技术

- 基于 DNA 条形码的广西西瓜中实蝇幼虫分子鉴定研究
..... 姜帆, 刘佳琪, 李志红, 等(150)
- 试管药膜法测定 10 种杀虫剂对绿后丽盲蝽若虫的室内毒力
..... 门兴元, 于毅, 张安盛, 等(154)
- 杀虫剂对橘小实蝇毒力测定方法的筛选和应用
..... 林玉英, 曾玲, 陆永跃, 等(158)

技术与应用

- 安徽省玉米小斑病菌对 5 种杀菌剂的敏感性
..... 张立新, 张军, 王建华, 等(163)
- 抗虫材料为主体的集成技术对稻飞虱的防控效果
..... 李洁, 王梁全, 徐雪亮, 等(167)
- 三华李橘小实蝇诱杀试验初报
..... 李国平, 边全乐, 何衍彪, 等(170)
- Bt 制剂防治玉米螟的田间效果
..... 江俊起, 王向阳, 董猛, 等(173)
- 啖虫啉悬浮剂对水稻白背飞虱的防治效果
..... 吴爱国, 吴重言, 孙长锋, 等(176)

有害生物动态

- 云南文山葡萄害虫—黑足缘绿肖叶甲的发生情况及防控建议
..... 王忠跃, 刘薇薇, 秦文韬, 等(178)
- 东亚异蚤蝇..... (封面)

- 广告 陶氏益农(封 2); 中保科技(封 3); 克胜(封底); 好收成(插 1); 安迪(插 2); 佳多(插 3~6)
- 其他 学会活动(37); 征订启事(105, 141); 本刊动态(145, 162, 175); 书讯(166); 封面说明(153)

CONTENTS

Occurrence, damage and control of important invasive insect pests on the vegetable crops in China	Zhang Youjun, Zhu Guoren, Chu Dong, et al. (1)
RNA interference (RNAi) and its application to the study of functional genomics in plant parasitic nematodes	Long Hai, Li Fangrong, Li Yinong, et al. (7)
Anti-insect scorpion toxin and its advances in plant genetic transformation	Ruan Yanye, Wang Bo, Cui Zhenhai, et al. (12)
Application of real-time quantitative PCR to epidemiology of plant diseases	Zheng Yaming, Luo Yong, Zhou Yilin, et al. (18)
A discussion in niche regulation of wheat allelopathy and its ecological effects	Ou Qiaoming, Ni Jianfu, Chen Yuliang, et al. (23)
Current advances in integrated management of watermelon <i>Fusarium</i> wilt	Wu Xuehong, Lu Zhijun, Wang Pinpin, et al. (27)
Construction and pathogenicity tests of the mutated strain of the core gene <i>vasK</i> of type VI secretion system in <i>Ralstonia solanacearum</i>	Zhang Liqing, Xu Jingsheng, Xu Jin, et al. (33)
Cloning and prokaryotic expression of <i>rep</i> gene of the Haikou isolate of <i>Banana bunchy top virus</i> and preparation of polyclonal antiserum against Rep	Yu Naitong, Feng Tuancheng, Wang Jianhua, et al. (38)
Molecular identification and host range of a geminivirus infecting <i>Hibiscus</i> in Nanning City	Lin Lin, Cai Jianhe, Luo Enbo, et al. (44)
Identification of the pathogen of gray leaf spot on <i>Caryota mitis</i> and its biological characteristics	Chen Jian, Ji Yebin, Zhang Neng, et al. (48)
Prediction of potential geographic distribution of <i>Corynespora</i> leaf fall disease in China using MAXENT	Qu Weiwei, Li Zhihong, Huang Guixiu, et al. (52)
Effects of three host plants on the development and reproduction of <i>Phenacoccus solenopsis</i>	Huang Fang, Zhang Pengjun, Zhang Jinming, et al. (58)
Effects of different foods on diapause induction in three geographic populations of <i>Colaphellus boursingii</i>	Yu Hongchun, Wang Lei, Deng Jiajia, et al. (63)
Functional response of <i>Coccinella septempunctata</i> to <i>Aphis craccivora</i>	Jin Jianxue, Li Fengliang, Cheng Ying, et al. (68)
Influences of <i>Rhopalosiphum padi</i> on oxidases of three wheat seedlings	Zhang Tingwei, Liu Changzhong (72)
Characteristics of spatial distribution pattern of <i>Loxostege sticticalis</i> outbreak population in China in 2008	Huang Shaozhe, Luo Lizhi, Jiang Yuying, et al. (76)
Evaluation of the resistance of five cashew clones to the cashew long-horned beetle	Zhang Zhongrun, Liang Lihong, Huang Weijian, et al. (82)
Comparison of nutrition and body sizes among B biotype <i>Bemisia tabaci</i> populations on different host plants	Zhou Long, Wen Lizhang, Wang Shaoli, et al. (87)
Studies on the economic thresholds of <i>Carposina sasakii</i>	Fan Baoyin, Wang Xiaoqi, Liu Weiwei, et al. (91)
Studies on promoting tomato growth and controlling early blight using <i>Bacillus subtilis</i> QM3	Hu Qingping, Xu Jianguo, Cheng Liping, et al. (95)
A preliminary analysis of the active ingredients from the seeds of <i>Polygonum orientale</i> against <i>Mythimna separata</i>	Yao Saiqun, Hu Guanfang, Liu Minyan, et al. (101)
Studies on biocontrol of <i>Monochamus alternatus</i> by <i>Megaselia spiracularis</i> carrying <i>Beauveria bassiana</i>	Ye Bin, Zeng Xuanli, Wang Guoliang (106)
Alleviatory effects of exogenous silicon on celery injury by acetochlor	Gao Qinghai, Ge Wenchun (112)
Cotton resistance to aphids, induced by <i>Aphis atrata</i>	Lu Yi, Li Jing, Wang Peiling (116)
Resistance of different sunflower varieties to sunflower yellow wilt	Wang Yujie, Pei Xu, Gao Fengzhu, et al. (120)
Mating and ovipositing behaviors of <i>Locusta migratoria manilensis</i> at different temperatures	Tu Xiongbing, Wang Guangjun, Nong Xiangqun, et al. (124)
Studies on epidemics of the citrus Huanglongbing and yield loss in early-maturing citrus orchards	Yu Jihua, Wang Enguo, Zhang Minrong, et al. (126)
Monitoring results of physiologic races of wheat stripe rust in Gansu Province during 2008–2009	Jia Qiuzhen, Jin Shelin, Cao Shiqin, et al. (130)
Occurrence of maize kernel rot and corn stalk rot in Gansu in 2009	Guo Manku, Wang Xiaoming, He Suqin, et al. (134)
Spatio-temporal analysis of occurrence characteristics of poplar cytospora canker in northeast China	Liu Dan, Du Chunying, Yu Chenglong (138)
Appraisal and utilization of the resistance of new rice varieties (lines) to rice blast in Heilongjiang Province	Song Chengyan (142)
Biological characteristics and pathogenicity of <i>Beauveria bassiana</i> Bb08-12 to <i>Hyphantria cunea</i> larvae	Liu Baosheng, Gu Xishu, Xu Jingyang, et al. (146)
Molecular identification of fruit fly larvae by DNA barcodes	Jiang Fan, Liu Jiaqi, Li Zhihong, et al. (150)
Toxicity of 10 insecticides to the nymphs of <i>Apolygus lucorum</i> , assayed by residual films	Men Xingyuan, Yu Yi, Zhang Ansheng, et al. (154)
Screening and application of the methods for testing the toxicity of insecticides to <i>Bactrocera dorsalis</i>	Lin Yuying, Zeng Ling, Lu Yongyue, et al. (158)
Sensitivity of <i>Bipolaris maydis</i> to five fungicides in Anhui Province	Zhang Lixin, Zhang Jun, Wang Jianhua, et al. (163)
Effects of the integrated technology mainly composed of insect-resistant materials on prevention and control of rice planthoppers	Li Jie, Wang Liangquan, Xu Xueliang, et al. (167)
Preliminary tests on trapping and killing of <i>Bactrocera dorsalis</i> on <i>Prunus salicina</i>	Li Guoping, Bian Quanle, He Yanbiao, et al. (170)
The field control effect of <i>Bacillus thuringiensis</i> on corn borer	Jiang Junqi, Wang Xiangyang, Dong Meng, et al. (173)
Control effects of Paichongding 10% SC on the white-backed planthoppers in rice fields	Wu Aiguo, Wu Zhongyan, Sun Changfeng, et al. (176)
Occurrence and control of the grape pest, <i>Aoria nigripes</i> , in Wenshan of Yunnan Province	Wang Zhongyue, Liu Weiwei, Qin Wentao, et al. (178)