



全国中文核心期刊 中国科技核心期刊
RCCSE中国核心学术期刊

ISSN 0529-1542
CN 11-1982/S

植物保护

Plant Protection

第40卷
2014

2



ISSN 0529-1542



万方数据

主办

中国植物保护学会
China Society of Plant Protection
中国农业科学院植物保护研究所
Institute of Plant Protection, CAAS

目次

特约稿件

- 2014年全国主要粮食作物重大病虫害发生趋势预报
..... 全国农业技术推广服务中心(1)

专论与综述

- 外来入侵种互花米草的研究进展..... 杨东,万福绪(5)
LED光源对昆虫行为学和生物学特性的影响
..... 涂小云,陈元生,支忆(11)

研究报告

- 巨大芽胞杆菌 B196 菌株抑菌物质的分离纯化
..... 廖庭,秦健,袁高庆,等(16)
Cry1Ba3 蛋白对亚洲玉米螟杀虫活性测定及其与 BBMV 的结合分析 尹凤翔,孙凯,束长龙,等(22)
云南省玉米灰斑病菌的分子鉴定
..... 黄惠川,杨敏,王岩,等(28)
油茶炭疽病拮抗细菌 Y13 主要抑菌物质分离纯化及作用方式
..... 孟庆敏,周国英,刘君昂,等(36)
烟草青枯病生防细菌的筛选与生防效果研究
..... 王超,申成美,郑丽,等(43)
绿豆立枯丝核菌研究初报 王彦,曹志敏,张志肖,等(48)
豇豆轮纹病病菌产毒条件筛选及毒素活性测定
..... 刘志恒,李健冰,安心,等(53)
水稻品种 'Rathu Heenati'、'玉香油占' 对稻飞虱及其捕食性天敌田间种群动态的影响 张振飞,肖汉祥,李燕芳,等(58)
亚致死剂量氯虫苯甲酰胺对小菜蛾体内活性酶的影响
..... 尹飞,冯夏,李振宇,等(66)
球孢白僵菌 SJ-05 几丁质酶基因的克隆与序列分析
..... 杨帆,刘春来,段立清(70)
吉林番茄黄化曲叶病毒分离物的检测及其 DNA-A 全基因组序列分析 王祥,李刚,赵黎明,等(76)
时间序列分析在橡胶白粉病预测中的应用研究
..... 蒋龙燕,罗大全,车海彦,等(81)
南方根结线虫二龄幼虫对不同盐离子的趋化反应
..... 孟丽,漆永红,刘玉霞,等(85)

实验方法与技术

- 番茄细菌性叶斑病菌超分支滚环扩增快速检测技术
..... 王念武,王婷,沈建国,等(90)
应用细菌磁颗粒 real-time RT-PCR 检测百合无症病毒
..... 邓丛良,双龙海,孙宁,等(95)
葡萄霜霉病菌 PCR 检测方法的建立与应用
..... 秦文韬,黄晓庆,孔繁芳,等(99)
褐飞虱 SRAP-PCR 体系的优化与确立
..... 张磊,荆胜利,何光存,等(103)
白背飞虱 ISSR-PCR 反应体系构建的正交设计优化
..... 谢家楠,郭建军,金道超(109)

调查研究

- 2008—2009 年度河北、河南、四川和江苏四省冬小麦区试品系的遗传多样性和抗条锈性分析
..... 高晓梅,冯晶,蔺瑞明,等(113)
剪口龄期和水分胁迫对轮纹病菌从剪口侵染的影响
..... 赵旭,董向丽,张振芳,等(119)
11 个草莓品种对炭疽病的田间抗性表现
..... 靳宝川,张雷,邢冬梅,等(123)
河北省小麦主产区禾谷孢囊线虫群体致病型研究
..... 李秀花,马娟,高波,等(127)
新疆大豆孢囊线虫病的初步研究
..... 李克梅,日孜旺古丽,董艳秋(132)
设施葡萄上蓟马种群消长规律和空间分布
..... 姜彩鸽,王国珍,韩江霞,等(135)
云南灯盏花根腐病的 2 种新病原鉴定及防治药剂的室内筛选
..... 赖宝春,胡先奇,罗文富(141)
甘肃和内蒙古地区马铃薯晚疫病菌的致病型
..... 韩森,汪晓雯,黄琛,等(146)
红树植物海桑新害虫报喜斑粉蝶的发生危害及生物学特性 包强,陈晓琴,徐华林,等(151)
双齿锤角叶蜂生物学特性及药剂防治
..... 李永刚,武星煜,辛恒,等(156)

技术与应用

- 应用性诱剂对福建甘薯蚜象的监测与防治研究
..... 王容燕,李秀花,马娟,等(161)
柑橘黄龙病防控药剂筛选试验初报
..... 陈仕钦,卢小林,陈玉龙,等(166)
45%霜霉威·咪唑菌酮悬浮剂对马铃薯晚疫病的防治效果
..... 肖春芳,田恒林,张舒,等(171)
天然苦皮藤素和天然除虫菊素混配对三种蚜虫的毒力及田间防效
..... 刘雨晴,范毅,于立芹,等(175)
30 种除草剂对豚草和薇甘菊的防效初步评价
..... 郭成林,马跃峰,覃建林,等(179)

有害生物动态

- 吉林市榆沫蝉发生初报..... 孙艳梅,陈殿元(184)

图说植保

- 外来入侵杂草刺果瓜(*Sicyos angulatus* L.) 严重危害玉米
..... 曹志艳,张金林,王艳辉,等(187)

- 封面照片 报喜斑粉蝶各虫态(相关文章见 151—155 页)

- 包强摄

- 广告 中保科技(封2);好收成(封3);克胜(封底);燕化安地静(插1);绩溪农华(插2)

CONTENTS

Occurrence trend forecast of the major diseases and insect pests of main crops in China in 2014	(1)
Research progress on invasive alien species <i>Spartina alterniflora</i>	Yang Dong, Wan Fuxu(5)
Effects of light-emitting diode illumination on insect behavior and biological characters	Tu Xiaoyun, Chen Yuansheng, Zhi Yi(11)
Isolation and purification of an antimicrobial substance produced by <i>Bacillus megaterium</i> strain B196	Liao Ting, Qin Jian, Yuan Gaoqing, et al(16)
Analysis of insecticidal activity of Cry1Ba3 protein against <i>Ostrinia furnacalis</i> and binding assay with BBMV	Yin Fengxiang, Sun Kai, Shu Changlong, et al(22)
Molecular identification of maize grey leaf spot pathogens in Yunnan Province	Huang Huichuan, Yang Min, Wang Yan, et al(28)
Isolation and purification of antimicrobial substance produced by endophytic bacteria Y13 in the <i>Camellia</i> and its inhibitory effect on <i>Camellia</i> anthracnose	Meng Qingmin, Zhou Guoying, Liu Jun'ang, et al(36)
Isolation and screening of antagonistic bacterial strains and their biocontrol efficiency against bacterial wilt	Wang Chao, Shen Chengmei, Zheng Li, et al(43)
Preliminary identification of <i>Rhizoctonia solani</i> causing mung bean seedling blight	Wang Yan, Cao Zhimin, Zhang Zhixiao, et al(48)
Optimization of culturing conditions for toxin production by <i>Corynespora cassiicola</i>	Liu Zhiheng, Li Jianbing, An Xin, et al(53)
Effect of rice varieties 'Rathu Heenati' and 'Yuxiangyouzhan' on the annual population dynamics of rice planthoppers and their predatory enemies	Zhang Zhenfei, Xiao Hanxiang, Li Yanfang, et al(58)
Effects of sublethal concentrations of chlorantraniliprole on detoxifying enzyme activity in <i>Plutella xylostella</i> (L.)	Yin Fei, Feng Xia, Li Zhenyu, et al(66)
Cloning and sequence analysis of chitinase gene from <i>Beauveria bassiana</i> SJ-05	Yang Fan, Liu Chunlai, Duan Liqing(70)
Molecular identification and DNA-A gene sequence analysis of TYLCV isolates from Jilin Province	Wang Xiang, Li Gang, Zhao Liming, et al(76)
Application of time series analysis in the forecasting of rubber tree powdery mildew	Jiang Longyan, Luo Daquan, Che Haiyan, et al(81)
Chemotaxis of the second stage juveniles of <i>Meloidogyne incognita</i> in response to different salt ions	Meng Li, Qi Yonghong, Liu Yuxia, et al(85)
Rapid detection of <i>Pseudomonas syringae</i> pv. <i>tomatousing</i> hyperbranched rolling circle amplification	Wang Nianwu, Wang Ting, Shen Jianguo, et al(90)
Application of bacterial magnetic particle-based real-time RT-PCR for detecting <i>Lily symptomless virus</i>	Deng Congliang, Shuang Longhai, Sun Ning, et al(95)
Establishment and application of PCR for detection of <i>Plasmopara viticola</i>	Qin Wentao, Huang Xiaoqing, Kong Fanfang, et al(99)
Optimization and establishment of SRAP-PCR reaction system for the brown planthopper	Zhang Lei, Jing Shengli, He Guangcun, et al(103)
Establishment and optimization of ISSR-PCR reaction system with orthogonal design for <i>Sogatella furcifera</i>	Xie Jianan, Guo Jianjun, Jin Daochao(109)
Genetic diversity for wheat regional trial cultivars of Hebei, Henan, Sichuan and Jiangsu provinces in 2008—2009	Gao Xiaomei, Feng Jing, Lin Ruiming, et al(113)
Effects of pruning wound age and water stress on wound infection by <i>Botryosphaeria dothidea</i>	Zhao Xu, Dong Xiangli, Zhang Zhenfang, et al(119)
Disease occurrence and resistance of 11 strawberry cultivars to anthracnose in the field	Jin Baochuan, Zhang Lei, Xing Dongmei, et al(123)
Characterization of the pathotypes of the cereal cyst nematode, <i>Heterodera avenae</i> , in Hebei Province	Li Xiuhua, Ma Juan, Gao Bo, et al(127)
A preliminary study on the soybean cyst nematode <i>Heterodera glycines</i> in Xinjiang Uygur Autonomous Region	Li Kemei, Riziwangguli, Dong Yanqiu(132)
Population fluctuation and spatial distribution of the thrips on grapes in protective facilities	Jiang Caige, Wang Guozhen, Han Jiangxia, et al(135)
Identification of the two new pathogens of root rot disease on <i>Erigeron breviscapus</i> and screening of fungicides	Lai Baochun, Hu Xianqi, Luo Wenfu(141)
Pathotypes of <i>Phytophthora infestans</i> isolates in Gansu and Inner Mongolia	Han Miao, Wang Xiaowen, Huang Chen, et al(146)
Biological characteristics and occurrence of <i>Delias pasithoe porsenna</i> , a new pest on <i>Sonneratia caseolaris</i>	Bao Qiang, Chen Xiaoqin, Xu Hualin, et al(151)
Biological characteristics of <i>Odontocimex svenhedini</i> and its chemical control	Li Yonggang, Wu Xingyu, Xin Heng, et al(156)
Monitoring and control of the sweetpotato weevil <i>Cylas formicarius</i> with pheromone traps in Fujian, China	Wang Rongyan, Li Xiuhua, Ma Juan, et al(161)
Preliminary report on screening of chemical compounds against the citrus Huanglongbing bacterium <i>Candidatus Liberibacter asiaticus</i> in citrus plants	Chen Shiqin, Lu Xiaolin, Chen Yulong, et al(166)
Control effect of 45% propamocarb + fenamidone suspension concentrate on the potato late blight	Xiao Chunfang, Tian Henglin, Zhang Shu, et al(171)
The toxicity and field effect of natural celangulins and cypermethrins mixture on three aphids	Liu Yuqing, Fan Yi, Yu Liqin, et al(175)
Chemical control effects of 30 kinds of herbicides on <i>Ambrosia artemisiifolia</i> and <i>Mikania micrantha</i>	Guo Chenglin, Ma Yuefeng, Qin Jianlin, et al(179)
Preliminary report on elm spittlebugs (<i>Cnemidanomia lugubris</i>) in Jilin City	Sun Yanmei, Chen Dianyuan(184)
An invasive alien weed <i>Sicyos angulatus</i> L. causes great harm to corn	Cao Zhiyan, Zhang Jinlin, Wang Yanhui, et al(187)



克胜作物科技

Kesheng Crops Science and Technology

品牌品质率先

Brand Quality First



江苏克胜集团股份有限公司
JIANGSU KESHENG GROUP CO.,LTD.

地址：江苏省建湖盐淮路888号 邮编：224700
传真：0515-86269816 服务热线：0515-86263305
公司网址：<http://www.kesheng.com>

总发行处：北京市报刊发行局 订阅处：全国各地邮局 国内代号：2-483 国外代号：BM450 国内定价：30.00元