

百种中国杰出学术期刊 中国精品科技期刊 中国高校百佳科技期刊
CSCD核心期刊 中文核心期刊 中国科技核心期刊

ISSN 1008-7303
CN 11-3995/S

农药学报

CHINESE JOURNAL OF PESTICIDE SCIENCE

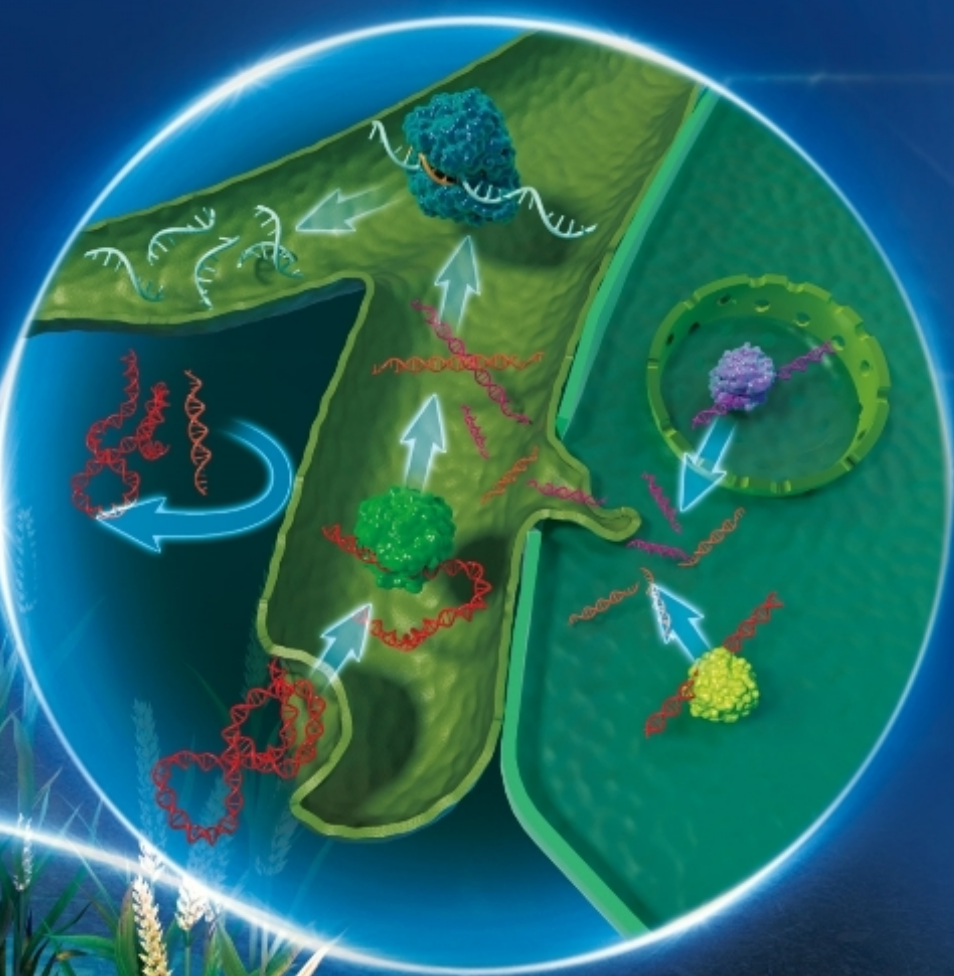
1

Vol. 25

siRNA

dsRNA

miRNA



封面文章推介：基于 RNA 干扰的杀菌剂开发及其对化学杀菌剂的影响 —— p1-11

ISSN 1008-7303



02>

2023

中国农业大学 主办

农 药 学 学 报

NONGYAOXUE XUEBAO

第 25 卷 第 1 期 2023 年 2 月

目 次

专论与综述

基于 RNA 干扰的杀菌剂开发及其对化学杀菌剂的影响	宋修仕 [#] , 高 静 [#] , 周明国 ^{*(1)}
食品中农药残留风险评估述评	乔雄梧 ^{*(12)}
有机氯类禁限用农药抗体的制备和应用研究进展	彭怡霖, 金雅琪, 崔永亮, 张耀海 ^{*(23)}
臭氧去除果蔬中农药残留研究进展	李晓晗, 吴 舸, 张贤钊, 刘成成, 彭庆蓉, 赵占平, 刘丰茂 ^{*(35)}
金属有机框架材料纳米载体的制备及其在农药缓控释中的研究进展	戚晨雨, 周 杰, 张耀伟, 徐东辉 [*] , 刘广洋 (51)

研究论文

四氢异喹啉酮-4-羧酸类化合物的合成及抑菌活性	李 敏, 员春霞, 房雅丽, 张治家, 王德龙 ^{*(62)}
桉木醇衍生物的合成及抑菌活性	桂 阔, 叶久辉, 李 璇, 周海玉, 李婕宁, 冯俊涛, 雷 鹏, 高艳清 [*] , 马志卿 (73)
五种杀菌剂对烟草立枯病菌的生物活性 (英文) ...	向立刚, 汪汉成 [*] , 蔡刘体, 陆 宁, 陈兴江, 余知和 (81)
吡唑醚菌酯在小麦不同生育期病害防治中的应用	任学祥, 苏贤岩, 范富云, 王友定, 迟 雨, 李 钊, 叶正和 ^{*(89)}
吡唑醚菌酯与氟环唑复配对小麦叶锈病的防治效果及对小麦的安全性	海 飞 [#] , 李天杰 [#] , 郑 伟, 刘圣明, 徐建强 ^{*(97)}
6-戊基-2 <i>H</i> -吡喃-2-酮对草坪币斑病菌的抑菌活性及其对病害的防治效果	刘 曼, 牛启尘, 尹淑霞 [*] , 王子玥 (104)
环戊噁草酮对直播稻田杂草的室内活性及田间防效评价	邢雨诚, 许锦程, 万永乐, 孙倩倩, 项 晶, 毕亚玲 ^{*(117)}
25% 双环磺草酮悬浮剂对不同叶龄期水稻品种的安全性评价	田志慧, 袁国徽, 高 原, 沈国辉 ^{*(126)}
海洋生境棘孢木霉菌 TCS007 对植物的促生长及诱导抗逆作用	杨怡妍, 郑柯斌, 陈 赛, 陈 杰 ^{*(132)}
30 亿 CFU/g 芽胞杆菌可湿性粉剂的研制及其对马铃薯黄萎病和疮痂病的防治效果	张晓云, 丛 蓉, 赵卫松, 曲远航, 苏振贺, 郭庆港, 鹿秀云, 李社增 [*] , 马 平 (140)

喷雾助剂对氟啶虫胺胍在富士苹果叶片表面润湿和持留的影响 郭晓君, 李 娅, 封云涛, 李光玉, 崔元甲, 张润祥*(150)

4 种喷雾助剂对解淀粉芽胞杆菌 Lx-11 的增效作用及安全性评价 张荣胜#, 张 浩#, 乔俊卿, 于俊杰, 齐中强, 刘永锋*(158)

代森锌及其代谢物乙撑硫脲在食用百合上的残留行为与膳食风险评估 高美静, 卢莉娜, 仲建锋, 卢 飞, 黄亚威*, 郑尊涛, 张志勇*(167)

高效液相色谱-串联质谱法测定 13 种甲氧基丙烯酸酯和三唑类杀菌剂在芒果中的残留及膳食摄入风险评估 段 云, 关 妮*, 马 晨, 陈棠钻, 罗金辉, 魏 静 (175)

吡唑醚菌酯和戊唑醇在桃中的残留与膳食风险评估 林永熙, 程海燕, 李 栋, 武杨柳, 周春然, 周翼璐, 董勤勇, 潘灿平*(184)

气相色谱-三重四极杆串联质谱法测定 4 种果品中 99 种农药残留 张海燕*, 李艳美, 华 鹏 (193)

液相色谱-四极杆飞行时间质谱快速筛查洋葱中 173 种农药残留 全凯旋, 盖丽娟, 霍思宇, 谢瑜杰, 吴兴强, 范春林, 陈 辉*, 吕美玲 (210)

肟菌酯在斑马鱼中的生物富集效应研究 王卢燕, 张昌朋, 王祥云, 何红梅, 赵学平, 蒋金花*(220)

不同类型农药中重金属分布特征及风险分析 叶雪珠*, 陈 德, 肖文丹, 张 棋, 赵首萍 (227)

三氟苯嘧啶在 5 种土壤中的吸附与解吸附行为 缪心仪, 范添乐, 崔佳佳, 包 鑫, 孟志远, 陈小军*(237)

相关信息及其他

本期封面文章简介：基于 RNA 干扰的杀菌剂开发及其对化学杀菌剂的影响 (p72, 全文 p1-11)；书讯《农药分子结构优化与解析》(p80)；书讯《农药新剂型加工与应用》(第二版) (p116)；中国农业大学药械与施药技术研究中心 (后插页)；中国农业大学理学院农药登记试验资质单位 (后插页)；中国农业科学院植物保护研究所智慧植保创新团队 (后插页)；中国农业大学农药加工与制剂创新课题组 (后插页)；中国农业大学绿色农药分子设计与发现团队 (封二)；中国农业大学高效绿色农药助剂与胶体界面化学研究团队 (封三)；中国农业大学农药环境安全与健康风险课题组 (封底)

注：#为并列第一作者；*为通信作者。

期刊基本参数:

CN 11-3995/S * 1999 * b * A4 * 244 * zh+en * P * ¥ 50.00 * 25 * 2023-2 * n

CHINESE JOURNAL OF PESTICIDE SCIENCE

(*Chin. J. Pestic. Sci.*)

Vol. 25 No. 1 February 2023

CONTENTS

MONOGRAPHS AND REVIEWS

- Development of fungicides based on RNAi mechanism and its influence on chemical fungicides
..... SONG Xiushi[#], GAO Jing[#], ZHOU Mingguo* (1)
- A critical review of dietary risk assessment of pesticide residues in foods QIAO Xiongwu* (12)
- Research progress in preparation and application of antibodies against the banned and restricted organochlorine pesticides
..... PENG Yilin, JIN Yaqi, CUI Yongliang, ZHANG Yaohai* (23)
- Research progress on removal of pesticide residues in fruits and vegetables by ozone
..... LI Xiaohan, WU Ge, ZHANG Xianzhao, LIU Chengcheng, PENG Qingrong, ZHAO Zhanping, LIU Fengmao* (35)
- Advances in preparation of metal-organic frameworks-based nanocarrier for sustained and controlled release of pesticides
..... QI Chenyu, ZHOU Jie, ZHANG Yaowei, XU Donghui*, LIU Guangyang (51)

RESEARCH REPORTS

- Synthesis and antifungal activity of tetrahydroisoquinolone-4-carboxylic acid derivatives
..... LI Min, YUN Chunxia, FANG Yali, ZHANG Zhijia, WANG Delong* (62)
- Synthesis and antifungal activity of hinokitiol derivatives
..... GUI Kuo, YE Jiuhui, LI Xuan, ZHOU Haiyu, LI Jiening, FENG Juntao, LEI Peng, GAO Yanqing*, MA Zhiqing (73)
- Bioactivities of five fungicides against *Rhizoctonia solani*, the causal agent of tobacco sore shin (*in English*)
..... XIANG Ligang, WANG Hancheng*, CAI Liuti, LU Ning, CHEN Xingjiang, YU Zhihe (81)
- Application of pyraclostrobin in disease control of wheat at different growth stages
..... REN Xuexiang, SU Xianyan, FAN Fuyun, WANG Youding, CHI Yu, LI Zhao, YE Zhenghe* (89)
- Control efficacy of the combination of pyraclostrobin and epoxiconazole against wheat leaf rust and its safety evaluation on wheat
plants HAI Fei[#], LI Tianjie[#], ZHENG Wei, LIU Shengming, XU Jianqiang* (97)
- Inhibitory activity of 6-pentyl-2*H*-pyran-2-one against the pathogenesis fungi of dollar spot and its control efficacy
..... LIU Man, NIU Qichen, YIN Shuxia*, WANG Ziyue (104)
- Evaluation of laboratory bioactivity and field efficacy of pentoxazone on weeds in direct-seeding rice fields
..... XING Yucheng, XU Jincheng, WAN Yongle, SUN Qianqian, XIANG Jing, BI Yaling* (117)

Safety evaluation of benzobicyclon 25% SC on rice varieties at different leaf stages .....	.....
.....	 TIAN Zhihui, YUAN Guohui, GAO Yuan, SHEN Guohui* (126)
Plant growth-promoting and stress tolerance inductive effects of <i>Trichoderma asperellum</i> TCS007 from marine habitat .....	.....
.....	 YANG Yiyan, ZHENG Kebin, CHEN Sai, CHEN Jie* (132)
Development of 3 billion CFU/g <i>Bacillus</i> wettable powder and its control efficacy on potato <i>Verticillium</i> wilt and scab .....	.....
.....	 ZHANG Xiaoyun, CONG Rong, ZHAO Weisong, QU Yuanhang, SU Zhenhe, GUO Qinggang, LU Xiuyun, LI Shezeng*, MA Ping (140)
The influence on wettability, retention of sulfoxafloer at Fuji apple leaves surface by adding spray adjuvants .....	.....
.....	 GUO Xiaojun, LI Ya, FENG Yuntao, LI Guangyu, CUI Yuanjia, ZHANG Runxiang* (150)
Synergistic effect and safety evaluation of four kinds of spray adjuvants on <i>Bacillus amyloliquefaciens</i> Lx-11 strain .....	.....
.....	 ZHANG Rongsheng [#] , ZHANG Hao [#] , QIAO Junqing, YU Junjie, QI Zhongqiang, LIU Yongfeng* (158)
Residue behavior and dietary risk assessment of zineb and its metabolite ethylene thiourea in edible lily .....	.....
.....	 GAO Meijing, LU Lina, ZHONG Jianfeng, LU Fei, HUANG Yawei*, ZHENG Zuntao, ZHANG Zhiyong* (167)
Dietary risk assessment of 13 strobilurin and triazole fungicide residues in mangoes by high performance liquid chromatography-tandem mass spectrometry .....	.....
.....	 DUAN Yun, GUAN Ni*, MA Chen, CHEN Tangzuan, LUO Jinhui, WEI Jing (175)
Residue and dietary exposure risk assessment of pyraclostrobin and tebuconazole in peach .....	.....
.....	 LIN Yongxi, CHENG Haiyan, LI Dong, WU Yangliu, ZHOU Chunran, ZHOU Yilu, DONG Qinyong, PAN Canping* (184)
Determination of 99 pesticide residues in four fruit products by gas chromatography-tandem mass spectrometry .....	.....
.....	 ZHANG Haiyan*, LI Yanmei, HUA Peng (193)
Rapid screening of 173 pesticide residues in onion by liquid chromatography-quadrupole time-of-flight mass spectrometry .....	.....
.....	 TONG Kaixuan, GE Lijuan, HUO Siyu, XIE Yujie, WU Xingqiang, FAN Chunlin, CHEN Hui*, LYU Meiling (210)
Bioaccumulation of trifloxystrobin in zebrafish (<i>Danio rerio</i>) .....	.....
.....	 WANG Luyan, ZHANG Changpeng, WANG Xiangyun, HE Hongmei, ZHAO Xueping, JIANG Jinhua* (220)
Distribution characteristics and risk analysis of heavy metals in pesticides .....	.....
.....	 YE Xuezhu*, CHEN De, XIAO Wendan, ZHANG Qi, ZHAO Shouping (227)
Adsorption and desorption behaviors of triflumezopyrim in five soils .....	.....
.....	 MIAO Xinyi, FAN Tianle, CUI Jiajia, BAO Xin, MENG Zhiyuan, CHEN Xiaojun* (237)

Note: [#] Equal contribution. * Corresponding author.