

农 药 学 学 报

NONGYAOXUE XUEBAO

第 23 卷 第 3 期 2021 年 6 月

目 次

专论与综述

几丁质酶抑制剂及噻唑烷酮类化合物合成与农用活性研究进展	
..... 张婧瑜, 韩 清, 蒋志洋, 李慧琳, 邓鸣飞, 朱 凯, 李明君, 段红霞*(421)	
导向农药分子设计及传导分布机制研究进展	肖永欣, 李俊凯*(438)
琥珀酸脱氢酶抑制剂类杀菌剂水生生态毒理学研究进展	
..... 李 红, 敬同坊, 李同宾, 李北兴, 慕 卫*(446)	
农药对两栖动物的生态风险评估研究进展	
..... 曹 玲, 刘沁雨, 郑豪杰, 张 鲲, 孙 健, 尹晓辉*, 林荣华 (456)	
典型咪唑啉酮类除草剂的微生物降解研究进展	王 新*, 侯佳文, 柳文睿, 鲍 佳 (469)

研究论文

新型芳氧吡啶脒类化合物的设计、合成和杀虫活性	
..... 杜士杰#, 杨冬燕#, 万 川, 赵峰海, 覃兆海*(476)	
新型琥珀酸脱氢酶抑制剂类杀菌剂氟唑菌酰羟胺对水稻恶苗病的防治研究 (英文)	
..... 侯毅平, 曲香蒲, 蔡小威, 武洛宇, 陈长军, 王建新, 田宝华, 周明国*(483)	
杀菌剂田间试验防病效果的 4 种常用计算公式比较分析	
..... 李 雄, 张 楠, 李贤宾, 苍 涛, 杨 峻, 黄中乔, 苗建强, 刘西莉*(492)	
五种农药及其二元、三元组合对人肝癌 HepG2 细胞的联合毒性	
..... 王天彩, 陈 晨*, 马朦朦, 杨 茜, 李 耘, 钱永忠 (499)	
1S,2R-((3-溴苯乙基)氨基)-N-(4-氯-2-三氟甲基苯基)环己烷基-1-磺酰胺对灰葡萄孢的抑菌活性及作用方式	
..... 彭景楠, 张华中, 李常乐, 李兴海, 祁之秋*(509)	
机插秧同步施用噁草酮-复合肥缓释颗粒剂的研制及其田间应用	
..... 唐 伟, 张建萍, 杨永杰, 袁 静, 陈 杰*, 陆永良*(515)	
土壤处理防治小麦田杂草节节麦药剂筛选	
..... 王恒智, 赵孔平, 张晓林, 张乐乐, 董秀霞, 朱宝林, 刘伟堂*(523)	

丙溴磷对映异构体在柑橘中的残留分析及选择性降解 董 超, 李 晶, 杨 秦, 张耀海, 赵其阳, 焦必宁*(530)

新型 5-二烷基氨基取代磺酰脲类化合物在土壤中的残留监测及其对作物的安全性 (英文) 周 沙, 李佳星, 华学文, 李永红, 刘 斌, 陈安良, 陈 杰*, 李正名*(537)

啉虫脒在桃上的残留消解规律与膳食风险评估 陈小龙, 王 亚, 程金金, 赵江涛, 余向阳*(545)

海南芒果中农药多残留分析 马 晨*, 张 群, 刘春华, 段 云 (552)

乙螨唑在 9 种水果蔬菜样品基质中的残留储藏稳定性 陈增龙, 刘子琪, 廖先骏, 叶子雨, 王晓宇, 李 薇*, 秦冬梅*(561)

阿维菌素 4 种剂型中壬基酚聚氧乙烯醚与壬基酚的含量及其从外包装中的迁移 罗惠莉*, 贺晓美, 周静如, 张舸帆 (569)

24% 丙硫·戊唑醇悬浮剂的研制及其对稻麦纹枯病的防治效果 陈 宸, 张 坤, 丁 涛, 冯建国, 杨 进, 贺 振, 陈夕军*(578)

不同助剂、喷头及喷雾压力对自走式喷杆喷雾机稻田喷雾效果的影响 杨 锐, 徐 翔, 王学贵*, 贡常委, 张韞政, 阮彦伟, 杨德斌, 杨旭东 (587)

研究简报

啞菌酯在大豆中的沉积、降解规律及最低有效防控剂量研究 童 舟, 孙明娜, 褚 玥, 胡东强, 董 旭, 王 梅, 高同春, 段劲生*(597)

优化的 QuEChERS-超高效液相色谱-串联质谱法测定韭菜中 31 种农药残留 李浩林, 李桐桐, 董玉英, 禾丽菲, 李北兴, 慕 卫*(603)

相关信息及其他

书讯《农药环境毒理学基础》(482); 欢迎订阅《农药学学报》(577); 新朝阳·绿色农业核心技术 (封二); 湖北省农业科学院中药材研究所游景茂副研究员科研创新团队 (封三); 惠州市银农科技股份有限公司 (封底)

*为并列第一作者; 注: *为通讯作者

期刊基本参数:

CHINESE JOURNAL OF PESTICIDE SCIENCE

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

Vol. 23 No. 3 June 2021

CONTENTS

MONOGRAPHS AND REVIEWS

- Chitinase inhibitors and synthesis and agricultural bioactivity of thiazolidinones: a review
..... ZHANG Jingyu, HAN Qing, JIANG Zhiyang, LI Huilin, DENG Mingfei,
ZHU Kai, LI Mingjun, DUAN Hongxia* (421)
- Research progress on molecular design and conduction distribution mechanism of guided pesticide
..... XIAO Yongxin, LI Junkai* (438)
- Research progress on ecotoxicological effects of succinic dehydrogenase inhibiting fungicides on aquatic organisms
..... LI Hong, JING Tongfang, LI Tongbin, LI Beixing, MU Wei* (446)
- Research progress on ecological risk assessment of pesticides to amphibians
..... CAO Ling, LIU Qinyu, ZHENG Haojie, ZHANG Kun, SUN Jian, YIN Xiaohui*, LIN Ronghua (456)
- Progress in microbial degradation of typical imidazolinone herbicides WANG Xin*, HOU Jiawen, LIU Wenrui, BAO Jia (469)

RESEARCH REPORTS

- Design, synthesis and insecticidal activities of aryloxyipyridinyl ethanone oxime ethers
..... DU Shijie[#], YANG Dongyan[#], WAN Chuan, ZHAO Fenghai, QIN Zhaohai* (476)
- Efficacy of a novel succinate dehydrogenase inhibitor pydiflumetofen to control rice bakanae disease caused by *Fusarium fujikuroi* (in English) HOU Yiping, QU Xiangpu, CAI Xiaowei, WU Luoyu, CHEN Changjun,
WANG Jianxin, TIAN Baohua, ZHOU Mingguo* (483)
- Comparative analysis of the four formulas commonly used for calculating the control efficacy of fungicides on disease in field trials LI Xiong, ZHANG Nan, LI Xianbin, CANG Tao, YANG Jun,
HUANG Zhongqiao, MIAO Jianqiang, LIU Xili* (492)
- Combined toxicity of five pesticides and their binary and ternary mixtures on HepG2 cells
..... WANG Tiancai, CHEN Chen*, MA Mengmeng, YANG Xi, LI Yun, QIAN Yongzhong (499)
- Antifungal activity of compound 1*S*,2*R*-((3-bromophenethyl)amino)-*N*-(4-chloro-2-trifluoromethylphenyl)cyclohexane-1-sulfonamide against *Botrytis cinerea* and its mode of action
..... PENG Jingnan, ZHANG Huazhong, LI Changle, LI Xinghai, QI Zhiqiu* (509)

Development and application of oxadiazon-fertilizer slow-release granule for synchronous application in mechanical transplanting rice TANG Wei, ZHANG Jianping, YANG Yongjie, YUAN Jing, CHEN Jie*, LU Yongliang* (515)

Screening of pre-emergence herbicides to control a noxious weed *Aegilops tauschii* in wheat fields
..... WANG Hengzhi, ZHAO Kongping, ZHANG Xiaolin, ZHANG Lele, DONG Xiuxia, ZHU Baolin, LIU Weitang* (523)

Residual analysis and selective degradation of profenofos enantiomers in citrus
..... DONG Chao, LI Jing, YANG Qin, ZHANG Yaohai, ZHAO Qiyang, JIAO Bining* (530)

Residue monitoring and crop safety in soil of 5-dialkylamino sulfonylurea compounds (*in English*)
..... ZHOU Sha, LI Jiaying, HUA Xuwen, LI Yonghong, LIU Bin, CHEN Anliang, CHEN Jie*, LI Zhengming* (537)

Dissipation rules and dietary risk assessment of acetamiprid residues in peach
..... CHEN Xiaolong, WANG Ya, CHENG Jinjin, ZHAO Jiangtao, YU Xiangyang* (545)

Analysis of multiple pesticide residues in mango of Hainan Province
..... MA Chen*, ZHANG Qun, LIU Chunhua, DUAN Yun (552)

Residual storage stability of etoxazole in 9 kinds of fruits and vegetables
..... CHEN Zenglong, LIU Ziqi, LIAO Xianjun, YE Ziyu, WANG Xiaoyu, LI Wei*, QIN Dongmei* (561)

Distribution of nonylphenol ethoxylates and nonylphenol in 4 formulations of abamectin and their migration from packing.....
..... LUO Huili*, HE Xiaomei, ZHOU Jingru, ZHANG Gefan (569)

Development of prothioconazole + tebuconazole 240 g/kg SC and its control effect on rice sheath blight and wheat sharp eyespot in the field CHEN Chen, ZHANG Kun, DING Tao, FENG Jianguo, YANG Jin, HE Zhen, CHEN Xijun* (578)

Effects of different auxiliaries, spray nozzles and spray pressures of self-propelled boom sprayer on spray effect in paddy field
..... YANG Rui, XU Xiang, WANG Xuegui*, GONG Changwei, ZHANG Yunzheng, RUAN Yanwei, YANG Debin, YANG Xudong (587)

RESEARCH NOTES

Study on the deposition, degradation and minimum effective dose of azoxystrobin in soybean
..... TONG Zhou, SUN Mingna, CHU Yue, HU Dongqiang, DONG Xu, WANG Mei, GAO Tongchun, DUAN Jinsheng* (597)

Determination of 31 pesticide residues in Chinese chives by modified QuEChERS-ultra performance liquid chromatography-tandem mass spectrometry LI Haolin, LI Tongtong, DONG Yuying, HE Lifei, LI Beixing, MU Wei* (603)

Note: #Equal contribution. *Author for correspondence.