

中国农药工业协会主办

ISSN 1009-6485  
CN 10-1660/TQ

# 世界农药

2020年6月 第06期 第42卷



# 目 次

## 优秀论文

- 植物油混合助剂对飞防喷雾雾滴沉积效果的影响 ..... 沈兰兰, 马恒博, 黄海燕, 等 (1)
- 农用喷头雾化后的空间粒径分布与速度演化特征研究 ..... 薛士东, 奚溪, 史浩楠, 等 (5)
- 高性能环保溶剂开发用于农化配方制备 ..... 陆威, 任华, 钟玲 (11)
- 6%双唑草腈水乳剂的研制及生物活性研究 ..... 李彦飞, 冯泽腾, 张小军 (16)
- 基于 BIM 平台的农药制剂模块化工厂设计与建造技术研究 ..... 陆棋, 徐向晖, 方永, 等 (23)
- 27%硝磺草酮·异噁唑草酮·莠去津悬浮剂防除玉米田杂草田间药效试验 ..... 刘志航, 王春修, 刘金玲 (26)
- 水分散粒剂配方稳定技术研究及在吡唑醚菌酯系列水分散粒剂中的产业化应用 ..... 李昆仑, 郭琼, 苏英 (31)
- 硝磺草酮悬浮体系的动态表面张力与药效关系 ..... 遇璐, 丑靖宇 (35)
- 农药剂型开发生产中稳健的激光粒度仪颗粒粒径评价 ..... 沈兴志 (41)
- 36%草甘膦·草铵膦可溶液剂的配方筛选与药效试验 ..... 谢红燕, 朱极, 刘阳生, 等 (52)
- 聚醚消泡剂在水性制剂体系中的应用 ..... 钟玲, 陆威 (56)
- 45%吡唑·王铜悬浮剂的研制 ..... 庄会德, 覃华全, 张松杨, 等 (59)
- 25%吡唑醚菌酯悬浮剂的配方研究 ..... 卞维鑫, 朱极, 刘阳生, 等 (62)
- 草地贪夜蛾绿色安全防控研究进展 ..... 孔维宝, 李振兴, 刘宝慧, 等 (66)
- 甲氨基阿维菌素苯甲酸盐乳油 pH 升高浅析及其原药质量控制初探 ..... 王成, 宋妍, 成道泉, 等 (69)

## 行业资讯

- 生物刺激素的研究和发展现状和未来趋势 ..... (51)

期刊基本参数: CN10-1660/TQ \* 1979 \* m \* 16 \* 76 \* zh \* P \* ¥30.00 \* 15 \* 2020-07

本刊及本刊许可的合作单位以数字化方式复制、汇编、发行、信息网络传播本刊全文, 其相关著作权使用费将在本刊稿酬中一次性给付。作者向本刊提交文章发表的行为视为同意我刊上述声明。如有异议, 请来稿时声明, 本刊将做适当处理。

# World Pesticides

SHIJIE NONGYAO

(Monthly, Started in 1979)

ISSN 1009-6485

CN 10-1660/TQ

Vol. 42, No. 7 (Total No. 253)

July, 2020

**Responsible Institution:**

China Petroleum and Chemical Industry Association

**Sponsor:**

China Crop Protection Industry Association

**Editor-in-Chief:** LI Zhonghua

**Deputy Editor-in-Chief:**

ZHANG Yixuan

**Executive Editor-in-Chief:**

AO Congcong

**Editorial Director:** FU Wei

**Editor and Publisher:**

Editorial Office of World Pesticides

**Tel:** 86-13911419477, 18918415528

**E-mail:**

sjnywp@163.com ccpia1315@163.com

**Address:**

Floor 7, Tongguang Building, No.12, Nongzhanguan Nanli, Chaoyang District, Beijing 100026, China

**Overseas Distributed:**

China International Book Trading Corporation

**Printer:**

Beijing Chaoyang Printing Co., Ltd.

## Contents

### Conference Papers

- Test of the effect of plant oil mixed additives on the droplet deposition of UAV spray  
 ..... SHEN Lanlan, MA Hengbo, HUANG Haiyan, *et al* ( 1 )
- Spatial diameter and velocity distributions of spray droplets produced by agricultural nozzle  
 ..... XUE Shidong, XI Xi, SHI Haonan, *et al* ( 5 )
- High performance eco-solvents development for agricultural formulation development ..... LU Wei, REN Hua, ZHONG Ling ( 11 )
- Preparation and bioactivities of pyraclonil 6% EW  
 ..... LI Yanfei, FENG Zeteng, ZHANG Xiaojun ( 16 )
- Technology research on modular plant design and construction of pesticide preparation based on BIM platform  
 ..... LU Qi, XU Xianghui, FANG Yong, *et al* ( 23 )
- Field efficacy trials of mesotrione·isoxaflutole·atrazine 27% SC  
 ..... LIU Zhihang, WANG Chunxiu, LIU Jinling ( 26 )
- Research on formula stabilization technology of water dispersible granules and its industrial application in pyraclostrobin series water dispersible granules ..... LI Kunlun, GUO Qiong, SU Ying ( 31 )
- The relationship of dynamic surface tension and control efficacy of mesotrione suspension concentrate  
 ..... YU Lu, CHOU Jingyu ( 35 )
- Robust particle size evaluation of laser particle sizer in pesticide formulation development and production ..... SHEN Xingzhi ( 41 )
- Formula screening and efficacy test of 36% glyphosate·glufosinate-ammonium soluble agent  
 ..... XIE Hongyan, ZHU Ji, LIU Yangsheng, *et al* ( 52 )
- Performance evaluation of polyether foam control agents in water-based pesticide formulation ..... ZHONG Ling, LU Wei ( 56 )
- Study on pyraclostrobin·copper oxychloride 45% SC  
 ..... ZHUANG Huide, QIN Huaquan, ZHANG Songyang, *et al* ( 59 )
- The formula study of pyraclostrobin 25% SC  
 ..... BIAN Weixin, ZHU Ji, LIU Yangsheng, *et al* ( 62 )
- Field control effect of two insecticides against *Spodoptera frugiperda*  
 ..... KONG Weibao, LI Zhenxing, LIU Baohui, *et al* ( 66 )
- Reason analysis of pH increase of emamectin benzoate EC and the preliminary study on quality of its active ingredient  
 ..... WANG Cheng, SONG Yan, CHEN Daoquan, *et al* ( 69 )