





PLANT DISEASES AND PESTS

VOLUME 15 N L M B E R U OCTOBER 2024



Technique Support: Anhui Wuchu Media Co.,Ltd.

PLANT DISEASES AND PESTS

Volume 15 Number 5

October 2024

PLANT DISEASES **AND PESTS**

Indexed by

Chemical Abstracts(CA)

CAB International (CABI)

Indian Fund for Agricultural Development

Library of Congress

CSA Illumina (ProQuest)

China National Knowledge Infrastructure (CNKI)

WU CHU (USA-CHINA) SCIENCE AND CULTURE MEDIA CORPORATION



VOLUME 15 NUMBER 5 October 2024

Sponsor

Wu Chu(USA-China) Science and Culture Media Corporation

Technique Support

Anhui Wuchu Media Co., Ltd.

Edited by

The Journal Board of Plant Diseases and Pests

Printed by

Allegra Providence RI USA

Editor-in-chief

Lai Zhongxiong

Associate Editor-in-chief

Jin Ping He Sanxing Xiong Zhangqin

Editors

Yin Jianli Li Jihong

Copy-editor

He Sanxing

Art Director

Zhu Shouhuan

Editorial Office

USA

650 Ten Rod Road, North Kingstown RI USA 02852

Tel 401-515-4764

E-mail usachinamedia@yahoo.com

China

S. 40, South Nongke Road, Hefei, Anhui Province 230031

Tel +86-551-65148112

E-mail zwbchyj@163.com

ISSN 2152 -3932

Price \$ 20

CONTENTS

Plant Diseases and Control

- Screening of Growth-Promoting Strains for Areca Palm Dejie YANG, Yenan WANG, Zhaowei LIN, Xiaoqing NIU
- Identification of Hyperparasitic Fungal Species Associated with Coffee Leaf Rust
 - Xingfei FU, Jianxin CHEN, Guiping LI, Haohao YU, Yaqi LI, Xiaofei BI, Faguang HU
- 8 Occurrence Regularity and Comprehensive Prevention and Control Techniques of Sunflower Downy Mildew
 Weidong SHAN, Yantao LIU, Wei DUAN, Huping ZHANG, Shengli LIU,
 Peng WANG, Zhonghua LEI, Lanlan ZHANG
- 11 Field Prevention and Control of Tobacco Black Shank in Guizhou Province Yingjie JIANG, Yongmo LI, Jun ZHOU, Laifu LUO, Yinsheng WANG

Plant Pests and Control

15 Effect of Six Bacterial Strains on the Activity of Second Instar Larvae and Egg Hatching of *Meloidogyne incognita*Jie LIU, Li HE, Zixuan WANG, Jianqing MA, Xiaolong TONG, Dandan CAO, Gangyong ZHAO

Plant Diseases and Pests and Prevention and Control

19 Survey and Detection of Disease and Pest Occurrence in Citrus Nurseries Liying GUO, Qinghao SONG, Ying HE, Jiayi TANG, Xiaoting ZHUANG, Guochan HUANG, Qianhua JI, Yaping HU

Chemical Agents

- 24 Storage and Preservation of *Carica papaya* Using Composite Fungicidal Coatings
 - Xiulan WU, Shixin HE, Junjie HE, Xichun ZHENG, Meijun YE, Xinjun WU, Wenwu TANG
- 29 Effect Evalution of Xiulijing on Fruit Rust Control of Golden Delicious Apple Mingming SUN, Junyan LIAO, Dayong CHANG

Agriculture and Forestry Science and Technology

- 33 Screening of Long Cowpea [Vigna unguiculata (L.) Walp. ssp. sesquipedialis] Varieties in Autumn in Hunan and Comparison of Various Comprehensive Evaluation Methods
 - Lin HUANG, Zhibing CHEN, Wan JIANG, Xincheng SUN, Zhongwu ZHANG, Jie KANG, Lianyong YANG, Weiping CHEN, Yuangun PENG
- 40 Impact of Different Cultivation Substrates on the Growth of *Cymbidium goeringii*

Xuejiao HE, Zhicheng YU, Shaohua WU