

植物保护

葡萄抗病性研究进展

苏海兰 陈清西 王玉玲

福建农林大学园艺学院,福州350002

摘要:

目前葡萄抗病研究主要采用田间自然发病调查和人工接种2种方法,病毒病用免疫学、分子生物学和传统生物学检测。葡萄抗病性分级标准有反应型和严重度2种标准。葡萄抗病性与品种、氮代谢、酶活性变化和叶绿素有显著相关,但与物质代谢、叶幕结构的相关性目前还存在歧义。防治技术主要是选用抗病品种、加强测报、及时喷药。

关键词: 葡萄 抗病机理 检测方法 抗病品种 病害防治

Advances in the Research on Disease Resistance of Grapevine

SU Hai-lan, CHEN Qing-xi | WANG Yu-ling

College of Horticultural, Fujian Agricultural and Forestry University | Fuzhou 350002, China

Abstract:

At present, the disease resistance of grapevine was studied by means of field identification and artificial inoculation, the virus disease was detected by immunological, molecular biology and traditional biology. There were two degrees of standards to identify resistances of grapevine, which were in fection type and severity. It showed disease resistance had high correlations with grape varieties, nitrogen metabolism, the change of enzymes activity and the content of chlorophyll. However, the relationship of the disease resistance of grape with material metabolism and leaf canopy structure was uncertain. As a result, the disease could controlled through choosing resistant varieties, reinforcing disease -forecasting and using fungicide timely.

Keywords: grapevine resistance mechanism testing method resistant varieties disease control

收稿日期 2005-11-23 修回日期 2005-12-14 网络版发布日期

DOI:

基金项目:

福建省科技重大项目“福安葡萄产业化关键配套技术研究”(项目编号: 99-A-32)。

通讯作者: 陈清西, 男, 博士, 教授; E-mail: cqx0246@163. com

作者简介: 苏海兰(1980-)|女|硕士; 研究方向: 果树生理生态。

作者Email:

参考文献:

本刊中的类似文章

文章评论

扩展功能

本文信息

- ▶ Supporting info
- ▶ PDF(373KB)
- ▶ [HTML全文]
- ▶ 参考文献[PDF]
- ▶ 参考文献

服务与反馈

- ▶ 把本文推荐给朋友
- ▶ 加入我的书架
- ▶ 加入引用管理器
- ▶ 引用本文
- ▶ Email Alert
- ▶ 文章反馈
- ▶ 浏览反馈信息

本文关键词相关文章

- ▶ 葡萄 抗病机理 检测方法 抗病品种 病害防治

本文作者相关文章

PubMed

反馈人	<input type="text"/>	邮箱地址	<input type="text"/>
反馈标	<input type="text"/>	验证码	<input type="text" value="1204"/>

