

植物保护

不同烟草品种对云南烟草野火病菌的抗性鉴定^{*}

黄杏娥¹, 刘雅婷^{1**}, 李永忠², 陈赟娟¹, 饶省和¹, 王瑞建¹

1. 云南农业大学农学与生物技术学院, 云南 昆明 650201; 2. 云南农业大学烟草学院, 云南 昆明 650201

收稿日期 2007-1-5 修回日期 2007-4-9

摘要 采用采自云南省不同地点、不同生理小种的24株烟草野火病菌对24个不同烟草品种及两个野生种黄花烟和长花烟进行抗病性鉴定分析。结果表明, 不同抗性品种对不同生理小种的抗性反应差异显著, 根据接种后不同烟草品种的形成的病斑直径, 将其划分为4个等级: 高抗、中抗、中感、高感。辽烟15, G28对于烟草野火病菌0, 1号生理小种均表现为高感, 而云南省大面积栽培的K326、红花大金元、云烟87等对于两个生理小种均表现为中感, 而两个野生种黄花烟和长花烟均表现为高抗, 可以作为烟草野火病抗性育种优先利用的种质资源。

关键词 [烟草品种](#); [烟草野火病](#); [烟草野火病菌](#); [抗病性](#)

分类号 [S 435.72](#)

Identification of Tobacco Cultivars Resistance to *Pseudomonas syringae* pv. *tabaci* of Yunnan

HUANG Xing-e¹, LIU Ya-ting¹, LI Yong-zhong², CHEN Yun-juan¹, RAO Sheng-he¹, WANG Rui-jian¹

1. Faculty of Agronomy and Biotechnology, Yunnan Agricultural University, Kunming 650201, China;

2. Faculty of Tobacco Science, Yunnan Agricultural University, Kunming 650201, China

Abstract

A total of 24 tobacco cultivars and two wild tobaccos (*Nicotiana longiflora* Cav and *Nicotiana rustica*) were analyzed to study their resistance to tobacco wildfire by inoculated different physiology races of *Pseudomonas syringae* pv. *tabaci*. The result indicated that the resistance of different tobacco cultivars was significantly correlated with different physiology races. The 24 tobacco cultivars and two wild tobaccos were divided into 4 levels according to diameter of spot, that is high-susceptibility, middle-susceptibility, middle-resistance and high-resistance. Liaoyan 15 and G28 are high-susceptibility to physiology race 0 and 1. K326, Hongda and Yunyan 87, which are main planting cultivars, are middle-susceptibility. The two wild tobaccos were high-resistance, which should be given priorities in tobacco wildfire-resistance breeding.

Key words [tobacco cultivars](#) [tobacco wildfire disease](#) [Pseudomonas syringae](#) pv. [tabaci](#) [resistance to disease](#)

DOI:

通讯作者 刘雅婷 liuyating999@yahoo.com.cn

扩展功能

本文信息

- ▶ [Supporting info](#)
- ▶ [PDF\(369KB\)](#)
- ▶ [\[HTML全文\]\(0KB\)](#)
- ▶ [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](#)
- ▶ [复制索引](#)
- ▶ [Email Alert](#)
- ▶ [文章反馈](#)
- ▶ [浏览反馈信息](#)

相关信息

- ▶ [本刊中 包含“烟草品种; 烟草野火病; 烟草野火病菌; 抗病性” 的相关文章](#)
- ▶ [本文作者相关文章](#)

- [黄杏娥](#)
- [刘雅婷](#)
- [李永忠](#)
- [陈赟娟](#)
- [饶省和](#)
- [王瑞建](#)