

植物保护

非洲菊根腐病品种抗病性鉴定及病原菌的致病性分化^{*}

李越,刘云龙,李凡^{**},唐小艳,陈精兰,陈海如

云南农业大学,教育部农业生物多样性与病虫害控制重点实验室,云南昆明 650201

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摘要 用隐地疫霉 (*Phytophthora cryptogea*) 游动孢子浸根接种法对 13 个非洲菊主栽品种进行了品种抗病性鉴定。结果表明,玲珑表现为高抗品种,年华、金太阳、靓粉为抗病品种,红日、寒王为中抗品种,绿心粉为中感品种,大臣、爱神、红地毯、大雪桔、热带草原为感病品种,白马王子为高感品种;对分离自云南非洲菊主产区的 6 个隐地疫霉菌株进行了致病性分化测定。结果表明,6 个隐地疫霉菌株存在着较明显的致病性分化,菌株的致病性强弱与分离的不同寄主品种关系较大,不同地理来源的菌株致病性强弱差异不明显。

关键词 [非洲菊根腐病](#); [隐地疫霉](#); [抗病性鉴定](#); [致病性分化](#)

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Identification of the Disease Resistance of *Gerbera jamesonii* Cultivars to Root Rot and Pathogenicity Differentiation of *Phytophthora cryptogea*

LI Yue, LIU Yun-long, LI Fan, TANG Xiao-yan, CHEN Jing-lan, CHEN Hai-ru

Key Laboratory of Agricultural Biodiversity for Pest Management of Ministry of Education, Yunnan Agricultural University, Kunming 650201, China

Abstract

Thirteen *Gerbera jamesonii* cultivars were inoculated with zoospores of *Phytophthora cryptogea* to identify their disease resistance. The result indicated that the cultivar of Linglong had the highest resistance to root rot, Nianhua, Jintaiyang, Liangfen, Hongri, Hanwang and Lvxinfen had higher resistance, Dacheng, Aishen, Hongditan, Dxueju and Redaicaoyuan had lower resistance and Baimawangzi had the lowest resistance. The pathogenicity of 6 strains of *P. cryptogea* was tested by 3 *G. jamesonii* cultivars, the result indicated that the 6 strains had evident differentiation on pathogenicity. The pathogenicity was strongly related to host cultivars, but less significantly related to their geographic origin.

Key words [Gerbera jamesonii root rot](#); [Phytophthora cryptogea](#); [identification of disease resistance](#); [pathogenicity differentiation](#)

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通讯作者 李凡 fanlikm@126.com

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