

植物保护

云南部分兰花病毒病的病害调查及病原鉴定*

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摘要 对云南部分兰花种植区的文心兰、蝴蝶兰、大花惠兰上发生的病毒病进行了调查与病原鉴定。兰花感染病毒后, 主要以在叶片形成黑褐色的坏死斑为主。在文心兰不同品种中, T系列的病毒病发病率最高。经电子显微镜、血清学和RT-PCR等方法综合鉴定, 确定危害云南兰花的主要病毒为建兰花叶病毒(*Cymbidium mosaic virus*, CyMV) 和齿兰环斑病毒(*Odontoglossum ringspot virus*, ORSV), 其中CyMV为优势种, 有时出现CyMV 和ORSV复合侵染的情况。

关键词 [兰花; 病害调查; 病原鉴定; 建兰花叶病毒; 齿兰环斑病毒](#)

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Survey and Pathogens Identification of Viral Disease on Partial Orchids in Yunnan

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Abstract

Survey and pathogens identification of viral disease on *Oncidium*, *Phalaenopsis*, and *Cymbidium* hybrid were carried out in Yunnan. Black and brown necrotic spots were the common symptoms of the infected orchid. T-series were the most susceptible varieties in different *Oncidium*. It was confirmed that *Cymbidium mosaic virus* (CyMV) and *Odontoglossum ringspot virus* (ORSV) were the main causal agents by the detection methods of electron microscope, serology and RT-PCR, and CyMV was the common species. CyMV and ORSV co-infection could be detected from some diseased orchid plants.

Key words [orchid; survey; pathogens identification; *Odontoglossum ringspot virus*; *Cymbidium mosaic virus*](#)

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