

柑橘黄龙病研究进展

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Research Progress on Citrus Huanglongbing Disease

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摘要 柑橘黄龙病是柑橘生产中重大病害, 其病原菌能够侵染几乎所有的柑橘及其近缘属植物, 但目前尚无该病的有效防治方法。随着其在全球范围内的传播, 该病已是近年来柑橘生产和研究受到普遍关注的热点。本文试图就近年来围绕柑橘黄龙病病原及其对宿主柑橘的影响、黄龙病的防治以及柑橘抗病育种等方面的最新研究进展作一概述。

关键词: 柑橘黄龙病 黄龙病病原菌 宿主-病原互作 抗病育种

Abstract: Citrus Huanglongbing (HLB), caused by *Candidatus liberibacter*, is the most devastating disease of citrus for which no cure has been found. Almost all known citrus varieties including those from their closely related genera can be infected by the bacteria. HLB has been a hot topic of citrus researches since the disease was discovered in America. In this paper, we are trying to summarize generally the recent advances in the researches of HLB pathogen and pathogen-host interactions. Topics on HLB control and breeding for HLB-resistant/tolerant citrus materials were also touched.

Keywords: Huanglongbing, *Candidatus liberibacter*, host-pathogen interaction, disease resistance breeding

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