

植物保护科学

广东省甜玉米小斑病菌的生理小种鉴定

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摘要:

摘 要: 从广东省甜玉米主产区采集了4个有代表性的小斑病标样, 分离提纯病原菌,通过扫描电子显微镜观察玉米小斑病菌的孢子, 并结合病菌生物学特性, 对分离出的4个甜玉米小斑病菌株进行了生理小种的鉴定。结果表明: 4个甜玉米小斑病病原菌的孢子形态和生物学特性完全一致, 符合O小种特征, 因此认为广东省甜玉米主产区的小斑病病原菌是同一生理小种类型(O型)。

关键词: 关键词: 甜玉米 小斑病; 扫描电镜观察; 生理小种

Bipolaria maydis physiological race determination of sweet corn in Guangdong province

Abstract:

Abstract Four representative samples of corn southern leaf blight were collected from main sweet corn area in Guangdong province. According to these samples, a race identification of isolated Bipolaria maydis strains was made based on surface morphology of spore through scanning electron microscope and race biological characteristics. Results showed that spore of these four samples were coincidence with Bipolaria maydis race "O" in the aspect of morphology and biological characteristics, suggesting that all of Bipolaria maydis physiological race in Guangdong province were probably belonged to race "O".

Keywords: Key words: sweet corn Bipolaria maydis; scanning electron microscope revise; physiological race

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