

植物保护

## 甘蔗栽培原种对蔗茅柄锈菌的抗性鉴定<sup>\*</sup>

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**摘要** 采用人工接种喷雾法对国家甘蔗种质资源圃保存的34份甘蔗栽培原种材料进行了抗蔗茅柄锈菌 (*Puccinia erianthi* Padw.et Khan) 的抗性鉴定。结果表明,高抗材料13份 (38.24%), 抗性材料6份 (17.65%), 中抗材料7份 (20.59%), 中感材料3份 (8.82%), 感病材料5份 (14.71%)。

**关键词** [抗病虫害育种](#); [蔗茅柄锈菌](#); [甘蔗栽培原种](#); [抗性鉴定](#)

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## Identification of Sugarcane Cultivated Original Species Resistance to *Puccinia erianthi*

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### Abstract

Thirty-four sugarcane cultivated original species chosen from the collections of NNSGR (National Nursery of Sugarcane Germplasm Resources, Kaiyuan, China) were analyzed by spraying inoculation method for the identification of their resistance to *Puccinia erianthi* Padw.et Khan. The result showed that 13 of the 34 samples were highly resistant (38.24%), 6 of them resistant (17.65%) and 7 of them moderately resistant (20.59%), while 3 of them displayed moderate susceptibility (8.82%) and 5 of them displayed susceptibility (14.71%).

**Key words** [breeding for pest resistance](#); [Puccinia erianthi Padw.et Khan](#); [cultivated original species](#); [identification of resistance](#)

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