作物学报 1999 25 (3): 389-391 ISSN: 0496-3490 CN: 11-1809/S

研究论文

南农92R系统白粉病抗源多抗性鉴定及其抗条锈性遗传分析

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收稿日期 1998-4-2 修回日期 1998-9-1 网络版发布日期 接受日期

摘要 对南农92R系统白粉病抗源进行了多抗性鉴定，并对其抗条锈性进行了遗传分析。结果表明:4份南农92R系统白粉病抗源，不仅对白粉病多个小种免疫，而且对中国当前优势条锈菌生理小种均表现免疫，其中的92R178和92R137亦对供试3个叶锈菌优势小种均表现高抗至免疫。抗条锈性遗传分析显示92R089, 92R137分别具有一对完全显性的抗条锈病基因。92R137具有的一对抗条锈病基因，与6111, M8007和735-10所含有的抗条锈病基因不等位。

关键词 南农92R系统白粉病抗源 抗条锈性 遗传分析

分类号

Identification and Analysis of Resistance of NAU 92R Wheat Lines

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Abstract Resistance of NAU 92R wheat lines to stripe rust，leaf rust and powdery mildew was identified and gene number and mode of inheritance of resistance to stripe rust was determined.The results indicated that 4 NAU 92R lines was immunized to powdery mildew and stripe rust，and resisted highly to leaf rust races used. The 92R137 and 92R089 Lines' resistance to stripe rust was controlled by one dominant gene which was different from resistance genes in resistant Lines 6111. M8007 and 735-10.

Key words NAU 92R resistant germplasm to wheat powdery mildew Resistance to stripe rust Genetic analysis

DOI:

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