

研究论文

小麦异源细胞质对主要病害抗性影响的初步研究

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摘要 在大田自然发病和人工诱发条件下,研究了小麦异源细胞质对条锈、叶锈、秆锈、白粉和赤霉5种主要小麦病害抗性的影响。结果表明在同核条件下,不同异源细胞质对同一病害抗(感)性的影响不同,同一种细胞质对不同病害抗(感)性的影响也不完全相同;并且在不同地区试验的结果有时也有差异。根据初步研究结果,无芒山羊草、拟斯卑尔脱山羊草、离果山羊草、卵圆山羊草、欧山羊草等细胞质材料比较抗白粉和赤霉等病害,在长江中下游地区是值得重视的一些有价值材料,今后若能进一步筛选好的核质组配类型,可能会得到更好的抗病类型和种质材料。

关键词 [异源细胞质](#) [细胞质类型](#) [核质组配类型](#)

分类号

A Preliminary Study on the Effects of Alien Cytoplasm on the Resistance to the Major Diseases of Wheat

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Abstract The effects of alien cytoplasm on the resistance to the major diseases of wheat, including stripe rust, leaf rust, stem rust, powdery mildew and scab etc., were studied, under both naturally infected and artificially inoculated conditions. Results indicated that the resistance of different allo-cytoplasm, when combined with the same nucleus, was different to the same disease; that the resistance of the same nucleus-allocytoplasm combination was different to different diseases. Differences were also observed with the s...

Key words [Allo-cytoplasm](#) [The type of cytoplasm](#) [The combination of nucleus and cytoplasm](#)

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