

大豆抗豆秆黑潜蝇遗传的初步研究*

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摘要 为研究大豆品种抗蝇性遗传规律, 利用5个品种配制了3个杂交组合, 在田间利用自然虫源, 对P1、P2、F1、F2和F3的抗感反应进行鉴定。结果表明, 大豆品种抗蝇性系受单个显性主基因控制; 可能受某些微效多基因及环境的修饰。在大豆抗蝇性遗传中未发现细胞质遗传效应。

关键词 [大豆, 豆秆黑潜蝇, 抗性遗传](#)

分类号

Inheritance of Resistance to Beanfly(*Melanagromyza sojae* Zehntner) in Soybeans

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Abstract

In order to determine the inheritance of resistance to beanfly in *Melanagromyza sojae* (Zehntner), three crosses were made among five soybean varieties. The responses of P1, P2, F1, F2, and F3 to field infection under the pressure of natural population of the beanfly were identified. The results showed that the resistance was controlled by one dominant gene, possibly modified by some polygenes and the environments, and no cytoplasmic effect on the resistance was found.

Key words [Soybean](#) [Beanfly](#) [Inheritance of resistance](#)

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