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摘要: 为探究大豆抗食心虫遗传规律,以高产感虫材料1068和抗源材料8004的5个世代(P₁、P₂、F₁、F₂、F_{2:3})为材料,应用主基因+多基因混合遗传模型,研究了大豆抗食心虫的遗传规律。结果表明:大豆抗食心虫遗传最适模型为D-0模型,即大豆抗食心虫遗传受一对加性-显性主基因+加性-显性-上位性多基因控制。

Abstract: In order to study the genetic rule of the resistance to soybean pod borer, five generation populations (P₁, P₂, F₁, F₂ and F_{2:3}) came from 1068 (the susceptible material to soybean pod borer with high yield) and 8004 (the resistant material to soybean pod borer) were taken as materials to study the genetic rule of the resistance to soybean pod borer by using major gene and polygene inheritance model. The results showed that the resistance to soybean pod borer was controlled by one major gene with additive dominant effect and polygene with additive dominance epistasis effect (Model D-0).

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