

# 高粱株高和节间长度的数量遗传分析

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## 摘要

高粱茎秆节间长度的遗传参数呈现有规律的变化。从上到下, 与显性效应有关的遗传参数(H1, H2, 和[h]2) 值都逐渐减小; 狭义遗传力逐渐增高; 控制节间长度的基因数逐渐减少; 第一节(穗柄) 和第二节均为三个基因; 第三节为两个基因; 第四、五节都为一个基因。

一般配合力方差与特殊配合力方差相比, 前者为后者的5.69-39.34倍。亲本榆5A, 1729A, 3197A, 7501A和7502A的一般配合力效应值较低; 亲本TX622, TX390, 7504A和7718A的效应值较高。

关键词

分类号

## Quantitative Inheritance Analysis of Plant Height and Intercalary Length of Sorghum

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### Abstract

<FONT face=Verdana> The genetic parameters of intercalary lengths of sorghum are changed regularly. Estimations of genetic parameters (H1 H2 and [h] 2) in dominant effects are decreased gradually from upper to lower intercalaries, while narrow heritabilities are increased gradually. The gene numbers are also decreased gradually. The 1st and 2nd intercalaries are controlled by 3 genes, the 3rd by 2 genes, and the 4th and 5th by 1 gene. <BR> Variances of G. C. A. are 5.69--39.28 times those of S. C. A. Effect values of G.C. A. of the 1st, 4th, 5th) 6th and 7th parents are higher than those of the 2nd., 3rd, 8th and 9th once. </FONT>

### Key words

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### 扩展功能

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