

# 对基于AMMI模型的品种稳定性分析方法的一点改进 An Improvement on the Method of Variety Stability Analysis Based on the AMMI Model

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**摘要** 对新近提出的基于AMMI模型的品种稳定性分析方法作了改进。该方法是以一个品种(或基因型)在交互效应主成分轴(IPCA)空间中与原点的距离(记为D)作为该品种的稳定性指标的。本文建议在计算D时根据各个IPCA对变异的相对贡献大小对品种在各IPCA轴上的得分进行加权。实例分析表明,这一方法明显提高了AMMI分析估价的品种稳定性结果与其它经典方法结果的一致性。

**Abstract:** An improvement is made on the newly proposed method of variety stability analysis based on the AMMI model. In the method, the distance (denoted as D) of a variety (or genotype) to the origin in the space of IPCA is used as an index of variety stability. In this paper, it is suggested that in the calculation of D, a variety's score on each IPCA be weighted according to the relative contribution of the IPCA to the variation. Analysis of a practical example has shown that with such a method, consistency between the results of variety stability obtained by the AMMI-based analysis and those obtained by other classical methods can be significantly improved.

**关键词** [品种稳定性](#) [AMMI模型](#) [Key words](#) [AMMI model](#) [Variety stability](#)

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## Abstract

## Key words

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