

## Application of AMMI Model to Analyze Regional Trial Data of Cotton

ZENG Xian-ying

*(Cotton and Oil Crops Research Institute of Henan Academy of Agricultural Sciences, Zhengzhou, Henan 450002, China)*

**Abstract:** Henan regional trial data of cotton varieties in 2002 were analyzed by AMMI Model

and the interaction of genotype and environment ( $G \times E$ ) were discussed in this paper. The results showed that the Data analyzed by AMMI Model could explain the interaction of  $G \times E$  effectively and strikingly increase the ability to synthetically evaluate the yield stability of tested varieties.

**Key Words:** cotton; regional trial; AMMI Model; yield stability of variety