

**SELECTION OF PROMISING COFFE GENOTYPES:  
A MULTIVARIATE APPROACH**

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- **ABSTRACT:** *The behavior of 44 genotypes of C. arábica species from Brazil and a local control (variety Caturra) was evaluated under the edaphoclimatic conditions of Barberena, Santa Rosa (Guatemala). This study was carried out in the farm "Las Flores" (Barberena, Guatemala), in years 2007 to 2011. The characteristics on study were classified as: a) of vegetative aspect; b) characteristics of the fruit and seed; and c) production of coffee. Using factor and cluster analysis the genotypes were divided into six different groups and thus it was possible to identify which genotypes were promising for the region in study.*
- **KEYWORDS:** *Cluster analysis; Factor analysis; Coffea arábica L.; Breeding.*

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