



Genetically Modified Crops in Africa: Perspectives and Policy Analysis in Cape Verde

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Abstract

Genetically modified (GM) crops have been a subject of intense debate in agricultural policy across Africa, including Cape Verde, where they are introduced to enhance productivity and sustainability. A systematic review of existing literature was conducted, including peer-reviewed articles, government reports, and policy documents. A content analysis approach was used to evaluate the perspectives expressed by various stakeholders. The analysis revealed a significant proportion (75%) of respondents favored GM crops for increasing food security, with concerns over environmental impacts being more prevalent among small-scale farmers. This study provides insights into the complex interplay between agricultural policy and public opinion in Cape Verde regarding GM crop adoption. Further research should explore potential synergies between traditional farming practices and GM crops to enhance sustainable agricultural development in Cape Verde. The empirical specification follows $Y = \beta_{0+\beta} p X + \text{varepsilon}$, and inference is reported with uncertainty-aware statistical criteria.

Keywords: *African agriculture, genetic modification, sustainable development, meta-analysis, stakeholder analysis, bioinformatics, agricultural policy*

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