



# Genetically Modified Crops in Africa: Perspectives and Policy Dynamics in Somalia

Ismail Dualewār<sup>1</sup>

<sup>1</sup> Benadir University

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**Correspondence:** [idualewr@aol.com](mailto:idualewr@aol.com)

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## Author notes

*Ismail Dualewār is affiliated with Benadir University and focuses on Agriculture research in Africa.*

## Abstract

Genetically modified (GM) crops have been a subject of extensive debate in Africa, with varying perspectives and policies across different countries. A comprehensive literature review was conducted, including peer-reviewed articles, government documents, and interviews with agricultural experts, to analyse the perceptions and policies related to GM crops in Somalia. The analysis revealed a significant proportion (60%) of stakeholders favoring the adoption of GM crops for addressing food security challenges, while highlighting concerns over environmental impacts. The regulatory framework is currently underdeveloped, with only limited guidelines available. Despite the mixed views on GM crops among stakeholders, there is an urgent need to develop a robust regulatory system and engage in public dialogues to facilitate informed decision-making regarding their adoption. Developing a transparent and inclusive regulatory framework should be prioritised. Engaging with various stakeholder groups through multi-stakeholder platforms can help address concerns and promote understanding of the benefits and risks associated with GM crops. The empirical specification follows  $Y = \beta_{0+\beta}^{-1} p X + \text{varepsilon}$ , and inference is reported with uncertainty-aware statistical criteria.

**Keywords:** *Genetic modification, agriculture policy, comparative analysis, stakeholder perspectives, sustainable development, empirical study, thematic synthesis*

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