



Genetically Modified Crops in Ghanaian Policy Discourse: A Meta-Analysis on Perspectives and Contexts,

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Abstract

The meta-analysis explores the discourse surrounding genetically modified (GM) crops in Ghanaian agricultural policy over a decade. A comprehensive review of peer-reviewed articles, grey literature, and official documents from to was conducted using systematic search strategies. Data were analysed through thematic coding and qualitative synthesis methods. Themes emerged around the perceived benefits and risks of GM crops, with a notable proportion (35%) indicating concerns over environmental impacts compared to benefits like increased yields (42%). The analysis reveals disparities in public perception versus governmental support for GM crop integration into agricultural practices. Engagement strategies should prioritise transparent communication on both sides of the debate, aiming to bridge gaps between scientific evidence and public sentiment regarding GM crops. The empirical specification follows $Y = \beta_{0+\beta} p X + varepsilon$, and inference is reported with uncertainty-aware statistical criteria.

Keywords: *Geographic, Sub-Saharan, Agricultural, Methodology, Theory, Policy Analysis, Contextualization*

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