

## **Modelling Public Knowledge and Attitude towards Genetically Modified Maize in Kenya**

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**Abstract :** A survey of 138 farmers was conducted in Rift valley, Kenya, in November and December 2013 in three counties (Uasin-gishu, Elgeyo-marakwet, and Tranzoia) to determine public knowledge and attitude towards genetically modified (GM) maize. Above two third (70%) of the respondents had knowledge of GM maize, mostly those educated and male. Female was found to be having low knowledge on GM maize. Public acknowledged the technology's potential positive impacts, with more than 90% willing to adopt and more than 98% willing to buy GM seedlings at any given price. A small percentage less than 3% were of a negative opinion about willing to buy and adopt GM seeds. We conclude that GM technology has a role to play in food security in Kenya. However, the public needs more information about the technology, which can be provided through established sources of information and training. Finally, public knowledge and attitude on GM maize should be studied on a regular basis, and the survey population broadened to 47 counties.

**Keywords :** public, knowledge, attitudes, GM maize, Kenya

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