



# Water Efficient Maize Varieties in Northern Ghanaian Agriculture: An Adoption Perspective during Drought Seasons

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**Published:** 17 October 2004 | **Received:** 15 June 2004 | **Accepted:** 18 September 2004

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**DOI:** [10.5281/zenodo.18793401](https://doi.org/10.5281/zenodo.18793401)

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## Abstract

This commentary focuses on the adoption of water-efficient maize varieties by farmers in northern Ghana during drought seasons. No empirical data are provided; instead, a qualitative approach examines farmer interviews and existing literature on drought resilience strategies. While farmers showed significant interest in adopting these varieties, challenges such as initial costs and lack of irrigation infrastructure hindered widespread adoption. Investment in improved irrigation systems and subsidies for water-efficient seeds could enhance farmer uptake and boost agricultural productivity in drought-prone regions.

**Keywords:** *Sub-Saharan, AgriculturalAdoption, SustainableDevelopment, FoodSecurity, MaizeYieldEnhancement, DroughtResilience, CropVariabilityAnalysis*

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