# DroughtTEGO: Drought tolerant and high yield maize varieties

Boost yields, and income with advanced maize.


DroughtTEGO is a improved maize hybrid developed as part of the Water Efficient Maize for Africa (WEMA) project. It was created to address the impact of drought, which is exacerbated by climate change. It aims to mitigate the effects of dry spells and low rainfall, which often limit maize production in dryland areas.

**AATF**
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This technology is TAAT1 validated.

9·7 Scaling readiness: idea maturity 9/9; level of use 7/9

Gender assessment 3

Climate impact 3

## Problem

- Low yield associated with drought resilience in maize cultivation
- Rainfall patterns and water scarcity in agricultural landscapes
- Vulnerability of smallholder farmers to climate change impacts on crop production

## Solution

- TEGO, improved maize varieties with enhanced drought tolerance
- Breeding of maize hybrids with high yield (20-35% yield increased) potential under drought stress conditions
- Empowerment of smallholder farmers through access to improved maize varieties and knowledge resources

## Key points to design your program

DroughtTEGO® maize varieties are increasingly adopted in Kenya, with 26% of farmers using them and 61% aware. The popular WE1101 variety delivers high yields and drought tolerance. Adoption is highest in Kakamega (65%), driven by demonstrations and farmer-to-farmer sharing. With 89% of farmers willing to adopt in the future, DroughtTEGO® shows strong potential to improve food security and resilience, making it ideal for drought-prone areas.

This technology supports SDG 1 (improved incomes), SDG 2 (enhanced food security), and SDG 13 (climate resilience).

Integrating DroughtTEGO® with tools from the Maize Toolkit—such as GrainMate for moisture measurement and Aflasafe for aflatoxin control—further boosts productivity, grain quality, and marketability.

DroughtTEGO® has been introduced in Burundi, DR Congo, Kenya, Rwanda, South Sudan, Tanzania, and Uganda under the AfDB-funded ENSURE project.

Cost: $$$ **0.8—1.2 USD/kg**
Seed selling cost

ROI: $$$ **20—35 %**
Yield increased

IP
Trademark

Technology from

ProPAS

Commodities

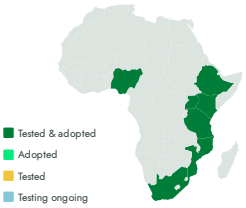
Maize

Sustainable Development Goals

Categories

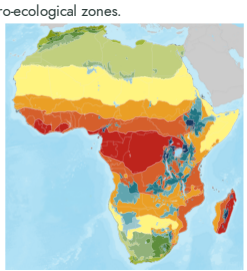
Production, Improved varieties, Yield improvement, Drought tolerance

Tested/adopted in




Where it can be used

This technology can be used in the colored agro-ecological zones.



Target groups

Farmers, Seed companies