

# Millet and Sorghum Varieties for Better Nutrition and Stress Resistance

Strong Crops, Healthy People

The 'Millet and Sorghum Varieties for Better Nutrition and Stress Resistance' technology offers a game-changing solution for African agriculture. These highly nutritious and resilient varieties, fortified with elevated iron and zinc levels, thrive in challenging climate conditions, providing farmers with a reliable risk management strategy.



Hybrid sorghum « Pablo »



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Technology from

[ProPAS](#)

Commodities

Sorghum/Millet

Sustainable Development Goals



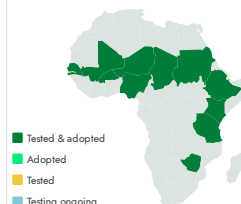
Categories

Production, Improved varieties,  
Drought tolerance, Heat tolerance

Best used with

- [Precision Fertilizer Micro-Dosing for Millet and Sorghum Yield Enhancement >](#)
- [Flour Milling and Blending Systems for Wheat, Sorghum and Millet >](#)
- [Warrantage Inventory and Credit System >](#)
- [Proactive Management of Striga Infestation >](#)
- [Contour Bunds for Water Harvesting >](#)

Tested/adopted in



Where tested/adopted



This technology is **TAAT1 validated**.



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

Cost: \$\$\$

**14 - 18 USD**

Seed for one hectare of land for sorghum

**8 - 12 USD**

Seed for one hectare of land for pearl millet

**35 - 45 USD/Ha**

A ton of animal manure cost

**120 - 150**

USD/Ha

Inorganic fertilizer cost

## Problem

- **Low Yields, Food Insecurity:** Millet and sorghum in Africa yield below potential, leading to hunger and malnutrition, exacerbated by climate challenges.
- **Nutrient Deficiency, Limited Access:** Traditional millet and sorghum lack essential nutrients like iron and zinc, impacting nutrition.

## Solution

- **Advanced Varieties:** New millet and sorghum strains are high-yielding, bio-fortified, and resilient to climate challenges, ensuring productivity and nutrition.
- **Expanded Access and Utilization:** Collaborative efforts have made these varieties widely available for farmers.

## Key points to design your business plan

This technology offers a powerful solution to enhance nutrition and boost resilience.

**For Seed Multiplier** to contribute:

- Seed Stock: Acquire high-quality seeds for multiplication.
- Royalty-Free Multiplication: Multiply seeds without a license.
- Compliance: Adhere to national standards for certification.
- Target Customers: Supply seeds to distributors and collaborate with development projects.

**For Farmers** to use these varieties:

- Collaborate with sellers and strengthen local seed systems.
- Estimate costs and assess yield per hectare.
- Explore local markets and calculate potential profit.

Gender assessment

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Climate impact

7



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<https://taat.africa/cas>

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