

Millet and Sorghum Varieties for Better Nutrition and Stress Resistance

Strong Crops, Healthy People



Hybrid sorghum « Pablo »

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.

This technology is **TAAT1 validated**.

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

Gender assessment 4

Climate impact 7

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.

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



International Crops Research Institute for the Semi-Arid Tropics (ICRISAT)
Dougbedji Fatondji

Technology originally documented by

ProPAS

Commodities

Sorghum/Millet

Sustainable Development Goals



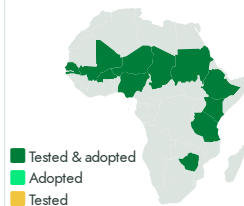
Categories

Production, Improved varieties, Drought tolerance, Heat tolerance

Best used with

- [Fertilizer Micro-Dosing to Enhance Yield and Use Efficiency >](#)
- [Flour Milling and Blending Systems >](#)
- [Warrantage Inventory and Credit System >](#)
- [Proactive Management of Striga Infestation >](#)
- [Contour Bunds for Water Harvesting >](#)

Tested/adopted in



Where it can be used

This technology can be used in the colored agroecological zones



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<https://e-catalogs.taatafrica.org/org/technologies/millet-and-sorghum-varieties-for-better-nutrition-and-stress-resistance>

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