

# PAC 501: High yielding and drought tolerant white grain sorghum hybrid

Unleash Prosperity with Our Drought-Tolerant White Grain Sorghum Hybrid



**Advanta Seeds**  
Florent Clair

Commodities

Sorghum/Millet

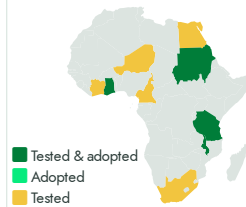
Sustainable Development Goals



Categories

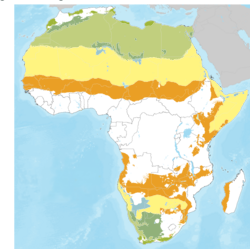
Production, Improved varieties,  
Yield improvement, Quality improvement

Tested/adopted in



Where it can be used

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



Target groups

Farmers, Seed companies

This technology is **pre-validated**.

9-9



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

Cost: \$\$\$ **28 USD/ha**

Average cost of seeds for farmer

ROI: \$\$\$ **288 %**

Gross income/inputs costs

**800 USD/ha**

average gross income

## Problem

- Sorghum crops face suboptimal yields, posing challenges for food security and farmers' income.
- Inefficient cultivation methods and less productive sorghum strains contribute to these low yields.
- Frequent periods of moisture stress negatively impact the growth and development of sorghum crops.
- Inadequate water availability during critical growth phases can result in significant yield losses.

## Solution

This new varieties:

- Demonstrates robust performance under water scarcity conditions, mitigating crop growth impact.
- Highly responsive to key inputs, particularly fertilizer, optimizing resource use for improved yield and quality.
- Offers double the yield potential compared to Open Pollinated Varieties (OPVs), addressing low yields in traditional sorghum cultivation.

## Key points to design your business plan

Seed Producers:

- High yielding white grain sorghum hybrid technology significantly increases sorghum yields, enhancing food security and farmers' economic prosperity.
- To scale seed production effectively, procure Foundation or Registered Seed as per your role in the seed development cycle, without any licensing requirement for multiplying these seeds.

Users:

- Utilizing High yielding white grain sorghum hybrid technology ensures dependable production even in adverse environmental conditions, empowering farmers to refine agricultural methods, increase earnings, and promote sustainable development.
- Estimated return on investment (ROI) is 2.88 (gross income/inputs costs), excluding labor expenses.

Gender assessment 4

Climate impact 4



**PAC 501**

<https://e-catalogs.taatafrica.org/com/technologies/pac-501-high-yielding-and-drought-tolerant-white-grain-sorghum-hybrid>

Enquiries [e-catalogs@taatafrica](mailto:e-catalogs@taatafrica)

