

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

Unleash Prosperity with Our Drought-Tolerant White Grain Sorghum Hybrid

PAC 501 is a high-yielding, drought-tolerant sorghum hybrid that produces 4-4.5 tons per hectare, with early maturity and high nutritional value. It is widely adopted in Africa, improving productivity and resilience in areas with unpredictable rainfall.



Advanta Seeds
Florent Clair

Commodities

Sorghum/Millet

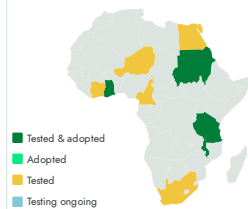
Sustainable Development Goals



Categories

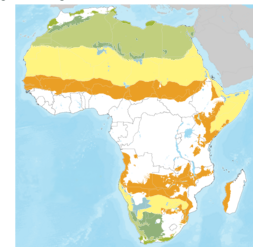
Production, Improved varieties,
Yield improvement, Quality improvement

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**.



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 boosts yields and farmer incomes. To scale up, producers can multiply Foundation or Registered Seed without needing a license.

Users:

This technology provides reliable production under tough conditions, helping farmers improve practices and incomes sustainably. Estimated ROI is 2.88 (excluding labor costs).

Gender assessment



Climate impact



PAC 501

<https://taat.africa/uth>

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