

Motorized Planter and Fertilizer Applicator (Sénékéla): Mechanized Tillers, Planters and Fertilizer Applicators



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Make farming easier with planting and fertilizing machines

The motorized planter and fertilizer micro-dose applicator, known as "Sénékéla", provides precise and fast placement of seeds and mineral inputs on prepared soils or ridges. This technology is designed to reduce the workload for millet and sorghum producers.

Technology from

[ProPAS](#)

Commodities

Sorghum/Millet

Sustainable Development Goals



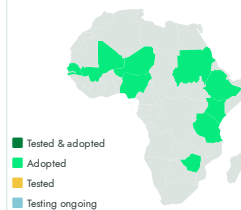
Categories

Production, Equipment, Land preparation

Best used with

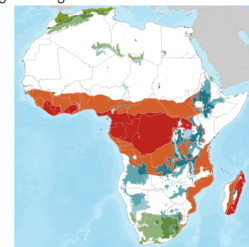
Precision Fertilizer Micro-Dosing for Millet and Sorghum Yield Enhancement
See all 1 technologies online

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 **TAAT1 validated**.

8-8 Scaling readiness: idea maturity 8/9; level of use 8/9

Inclusion assessment **4**

Climate impact **5**

Problem

- Preparing the land, planting seeds and adding fertilizer by hand are too hard for farmers.
- It's take a lot of time to do and farmers spend much of money on animals or services to help

Solution

- Mechanizing farm activities to reduce the physical strain on farmers and lower the costs associated with maintaining animals or hiring services.
- It enables timely and efficient field operations, leading to increased crop productivity and higher profits.

Key points to design your program

Mechanized Tillers, Planters, and Fertilizer Applicators can be integrated into food security, mechanization, climate resilience, women's economic empowerment, and youth employment programs to reduce labor constraints, improve farm efficiency, and increase productivity. Its adoption contributes to SDGs 1, 2, 5, and 8.

To integrate this technology into your project, plan and budget for the following activities and prerequisites:

- Facilitate access to mechanized tillers, planters, fertilizer applicators, and related equipment.
- Build partnerships with ICRISAT, farmer organizations, extension services, fabricators, financial institutions, and mechanization providers.
- Train farmers and service providers on equipment operation, maintenance, and efficient farm management.
- Promote women's and youth participation in mechanization services and related enterprises.
- Monitor labor savings, productivity gains, farmer incomes, and access to mechanization services.

IP
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