

Value-added Processing of Bananas and Plantain

Banana and Plantain Processing for a Healthier Diet

This technology involves the processing of bananas (ripe or unripe) into valuable products like flour, purees, and chips. Unripe fruits are dried and ground into flour (good for baking!), while ripe ones are pulped for drinks and snacks. The technology works for small or large-scale production.



Banana flour has a growing demand as a wheat substitute



International Institute of Tropical Agriculture (IITA)
Lungaho Mercy

✓ This technology is **TAAT1 validated**.

Scaling readiness: idea maturity unknown; level of use unknown

📄 Project adoption **1**
Technology integrated in the ENSURE project.

Inclusion assessment **4**

Climate impact **7**

Problem

- **Postharvest Losses:** Bananas and plantains are perishable crops, prone to rapid deterioration after harvest, resulting in significant losses.
- **Unattractive Appearance:** Traditional flour processing can yield a brownish color, which may not be appealing to consumers.

Solution

- **Extended Shelf Life:** Processing like flour production and pulping creates longer-lasting banana and plantain products, reducing waste.
- **Enhanced Flour Quality:** Blanching and special soaking techniques improve flour color and functionality for baking and food production.

Key points to design your program

Value-Added Processing of Bananas and Plantains can be integrated into agribusiness, food security, nutrition, and value chain development programs to reduce post-harvest losses, create market opportunities, and increase incomes through processed products. Its adoption contributes to **SDGs 1, 2, 8, and 12**.

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

- Facilitate access to processing equipment, storage facilities, and packaging systems.
- Build partnerships with IITA, processors, cooperatives, extension services, and private sector actors.
- Train beneficiaries on food processing, hygiene, quality control, and business management.
- Promote women's and youth participation in processing enterprises.
- Monitor processed product volumes, market access, income growth, and reduction in post-harvest losses.

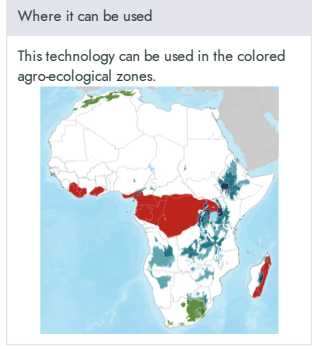
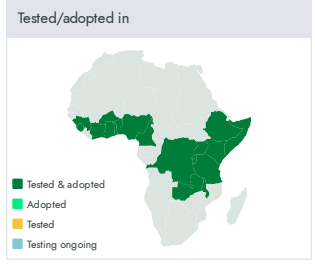
💡 IP
Open source / open access

Technology from
ProPAS

Commodities
Bananas & plantains

Sustainable Development Goals

Categories
Postharvest, Equipment, Post-harvest handling, Agrifood processing



Target groups
Processors

