

# Silage production from sweet potato vines and tubers

## Fodder Enrichment for Thriving Livestock

Sweet potato silage production is an agricultural innovation that efficiently turns underutilized resources into high-quality animal fodder. The fermentation process preserves nutrients, making it a valuable addition to traditional feeds. Sweet potato silage promotes rapid livestock growth and maintains good health.



**International Potato Center (CIP)**  
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This technology is **TAAT1 validated**.

**7·8** Scaling readiness: idea maturity 7/9; level of use 8/9

Gender assessment **4**

Climate impact **7**

### Problem

- **Resource Wastage:** Leftover sweet potato parts perish in hot, moist conditions.
- **Fodder Availability:** Persistent gaps exist in fodder availability.
- **Digestibility and Nutrition:** Fresh vines have poor digestibility and nutritional value.
- **Resource Collection:** Harvesting leftover sweet potato parts is labor-intensive.

### Solution

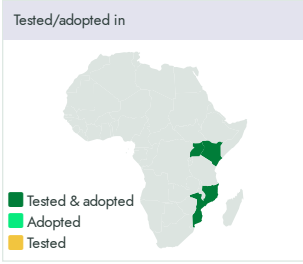
- **High-Quality Fodder:** Converts leftovers into nutritious animal feed.
- **Bridging Fodder Gaps:** Ensures consistent fodder availability.
- **Enhanced Digestibility and Nutrition:** Improves digestibility and conserves nutrients through fermentation.
- **Efficient Resource Utilization:** Reduces labor and effort in resource collection by providing a sustainable and cost-effective solution.

Technology originally documented by  
**ProPAS**

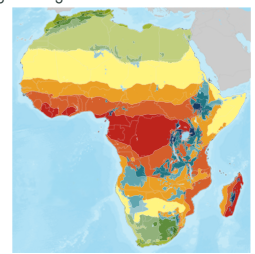
Commodities  
Sweet Potato

Sustainable Development Goals

Categories  
Transformation, Practices, Post-harvest management



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



Target groups  
Breeders, Farmers

