

Processing and Application of Composted Manures

Turning Waste into Wealth for Greener Fields



Composted goat and sheep manure is readily compressed into organic fertilizer pellets. These fertilizer pellets are convenient for application, transportation, and storage. After composting, production involves crushing, screening, granulating, drying and further screening for pellet uniformity.

This technology is **TAAT1 validated**.

 8·8

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

Project adoption 4
 Technology integrated in the EFPFP, FIP, RVCTP, and ZEPFP projects, in Malawi, Rwanda, Gambia, and Zambia.

Inclusion assessment 4

 Climate impact 6 1

Problem

- Goat and sheep manure may contain human pathogens and weed seeds, posing hazards to crops and the environment.
- Nutrients in goat and sheep urine are often wasted, and improper manure handling can lead to environmental pollution.

Solution

- Composting rapidly deactivates human pathogens and weed seeds in manure, making it safe for use as compost on vegetable crops.
- Commercial technologies permit to produce organic fertilizers from goat and sheep manure, increasing its economic value and reducing waste.

Key points to design your program

Processing and Application of Composted Manures can be integrated into **soil health, livestock development, climate-smart agriculture, and sustainable farming programs** to improve nutrient recycling, enhance soil fertility, reduce waste, and create income opportunities. Its adoption contributes to **SDGs 1, 2, 8, and 13**.

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

- Facilitate access to **composting and manure processing equipment**.
- Build partnerships with **livestock producers, cooperatives, extension services, and development institutions**.
- Train beneficiaries on **compost production, equipment operation, and quality management**.
- Develop **awareness and communication activities** to promote adoption.
- Monitor **compost production, soil fertility improvements, adoption rates, jobs created, and income growth**.

ILRI

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Technology from
ProPAS

Commodities
Small livestock

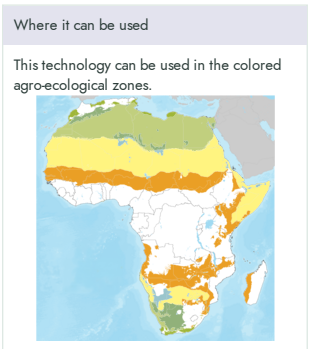
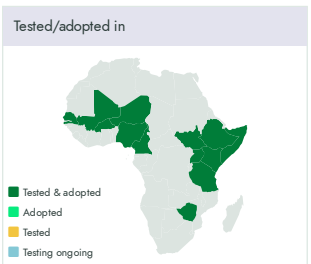
Sustainable Development Goals

2
ZERO HUNGER

8
DECENT WORK AND ECONOMIC GROWTH

13
CLIMATE ACTION

Categories
Production, Pre-production, Practices, Input processing



Target groups
Farmers

IP
Open source / open access