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.

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This technology is TAAT1 validated.

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

Gender 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 project

The Processing and Application of Composted Manures technology offers a solution for reducing poultry feed costs. To integrate this technology into your project, follow these steps:

- Invest in compost turning and pellet making machinery.
- Analyze feed ingredient composition and identify any constraints.
- Evaluate ingredient cost and availability.
- Engage a team of trainers for installation support and develop communication materials to highlight benefits.
- Collaborate with breeders and local stakeholders.

Cost: $$$ **5000—10000 USD**
Manure drying and composting equipment

200—1000 USD
Composted manure per ton

IP
Open source / open access

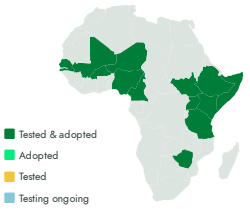
Technology from
ProPAS

Commodities
Small livestock

Sustainable Development Goals

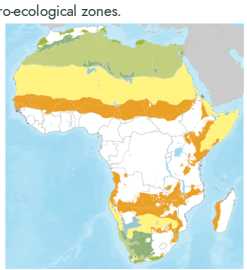
Categories
Pre-production, Practices, Input processing

Tested/adopted in



Where it can be used

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



Target groups
Farmers