

# 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

**Cost: \$5000—10000 USD**      **200—1000 USD**  
 Manure drying and composting equipment      Composted manure per ton

IP  
 Open source / open access

Technology from  
**ProPAS**

Commodities  
Small livestock

Sustainable Development Goals

<h3>Problem</h3> <ul style="list-style-type: none"> <li>Goat and sheep manure may contain human pathogens and weed seeds, posing hazards to crops and the environment.</li> <li>Nutrients in goat and sheep urine are often wasted, and improper manure handling can lead to environmental pollution.</li> </ul>	<h3>Solution</h3> <ul style="list-style-type: none"> <li>Composting rapidly deactivates human pathogens and weed seeds in manure, making it safe for use as compost on vegetable crops.</li> <li>Commercial technologies permit to produce organic fertilizers from goat and sheep manure, increasing its economic value and reducing waste.</li> </ul>
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Categories  
Pre-production, Practices, Input processing

Tested/adopted in

■ Tested & adopted  
■ Adopted  
■ Tested  
■ Testing ongoing

## Key points to design your business plan

The Processing and Application of Composted Manures technology offers opportunities for manufacturers and users.

Manufacturers can revolutionize agriculture and promote sustainability by

- Investing in composting equipment, analyzing manure composition, and ensuring compliance with regulations.
- Key partners include suppliers of equipment and raw materials.

Users can benefit from improved soil fertility and reduced environmental pollution by

- Partnering with compost suppliers.
- Delivery costs and import duties should be considered, and profitability and environmental benefits assessed for successful implementation.

Where it can be used

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

Target groups  
Farmers

Gender assessment     
 Climate impact